



2014-2015

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Envisioning The Future



Our Future By Design



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River Valley Community College is one of seven Colleges
in the Community College System of New Hampshire.
For more information about the system, dial toll free: 1-800-247-3420.

This catalog is a guide to River Valley Community College, which includes the Academic Center in Keene, and its contents are subject to revision at any time. The College reserves the right to change tuition, fees, courses, policies, and programs, services and personnel as required.

River Valley Community College is an Equal Opportunity Employer

This Catalog is Current as of September 1, 2014

River Valley Community College

Course Catalog 2014-2015

1 College Place
Claremont, New Hampshire 03743
(603) 542-7744 • 1-800-837-0658
FAX (603) 543-1844

DOWNTOWN LOCATION

27 Pleasant Street
Claremont, New Hampshire 03743

ACADEMIC CENTER

438 Washington Street
Keene, New Hampshire 03431
(603) 357-2142 • FAX (603) 357-0408



www.rivervalley.edu

Welcome to River Valley Community College



Dear Student(s)

Whether you are a current or prospective student, take a moment to envision your future at River Valley Community College, your future by design. Where ever you envision your future, you can get there from here. Whether your there is transfer to a four year institution, starting a career in your chosen field, expanding your skills through training and development or taking a course for pleasure, River Valley Community College can get you there!

River Valley Community College can assist you in designing a pathway to your dreams and turning your dreams into reality. Within a collegial and dynamic learning environment, you will be able to design the future you dream about. With wonderful faculty, superb staff and beautiful surroundings, River Valley is simply a great place to learn and grow. As a launching pad for your dreams, we are here to help you soar!

As President, I encourage you to take advantage of every opportunity to engage in learning both inside and outside of the classroom. Offering 37 degrees and certificates at locations in Claremont and Keene, NH and online, I am confident that you will find your passion. We understand that this is a big decision and that college can be confusing and even a little scary, but do not worry, at RVCC you are not alone. You can count on us from start to finish.

River Valley Community College is the right choice both for its academic excellence and its economic advantage. Starting at RVCC and graduating can land you where you dream. Financial aid and scholarships are also available to assist you. Join me, the faculty and staff of River Valley Community College as we envision and design a new future together. Simply put, RVCC Rocks!

Academically yours,

Alicia B. Harvey-Smith, Ph.D.
President

Mission Statement

Community College System of New Hampshire

The Community College System of New Hampshire will provide comprehensive, market-driven, accessible, quality programs of higher education and services that respond to the needs of students, businesses, and communities.

River Valley Community College

River Valley Community College changes lives and transforms society by preparing students for lifelong learning, careers and citizenship. Our career, technical and liberal arts programs enable a diverse community of learners to achieve goals including professional advancement and academic transfer. Championing accessibility and academic integrity, we strive to meet our region's needs through employer partnerships, cultural enrichment and community service.

Education Philosophy

Since the College serves a diverse student population possessing a wide range of academic and physical abilities, the College is committed to providing a variety of education approaches, instructional methods, supplementary services, and co-curricular activities to meet those diverse needs. In the context of a student-centered environment, the primary aim of the College is to assist students to become self-reliant, self-confident skilled workers and educated persons.

The College believes that the educated person is able to read critically, write clearly and comprehensively, reason analytically, and utilize mathematical and scientific skills to solve life's prob-

lems. The educated person functions as a responsible and ethical member of society, recognizes and copes with the ambiguities of life, and appreciates diversity. The educated person moves from concrete to abstract levels of thinking, fosters integration and synthesis of knowledge, interchanges roles as both learner and teacher, and utilizes contemplative thought.

By embracing an understanding and appreciation of self in today's socially and technologically complex world, and through the stimulation of intellectual curiosity, learners will be able to improve their lives and contribute something of value to the community of which they are a part.

Expected Outcomes

The College will be judged by the degree to which it successfully

- Engages in programs and activities that expand access to higher education for all members of the community.
- Offers college-preparatory instruction that prepares students for success in college-level work and life-long learning.
- Provides students with a full range of student development and academic support services
- Offers students the opportunity to contribute to the wellbeing of others through service learning and volunteerism.
- Prepares individuals for employment in a variety of careers in business, the health sciences, computer applications, engineering and industrial technologies, and public service.

- Serves as an entry-point for bachelor degree programs by providing the first two years of a four-year program through a sequence of general education that stresses an appreciation of the arts and the humanities, the social sciences, mathematics and quantitative literacy, the sciences, communication, and information literacy.
- Provides economic development and continuing education activities to meet the needs of business, industry, and government while enhancing employee skills and enriching their lives.

History

Since 1968, River Valley Community College, formerly New Hampshire Community Technical College at Claremont, has been providing quality education in an academic environment small enough to allow individualized attention. Students in thirty-seven career oriented programs gain highly specialized skills and knowledge necessary to confidently and successfully enter the job market in a number of technical, business and health oriented fields. In 1999, the College implemented an Associate in Arts degree that provides the first two years of a four-year bachelor's program.

It is the student with career goals clearly in mind who tends to excel and enjoy the educational experience at River Valley Community College. Students commute to the College from their homes or from rented housing in the area.

The College views itself as serving the needs of both the region and the state. It cooperates with local industry, business, service and health organizations to meet those needs.

Located on Route 120 approximately two miles north of the Claremont business district, the campus affords students

spacious and modern classroom and laboratory facilities in a quiet rural setting. The College is accessible to the physically challenged.

The College offers courses at two other locations: Academic Center at 438 Washington Street in Keene, NH and at our new co-location with Granite State College at 27 Pleasant Street in Claremont. These locations offer increased access to postsecondary education to the residents of the Sullivan and Cheshire counties. Both external locations provide local access and assistance

in college admissions procedure, information regarding academic advising, support services and financial aid. They also provide a direct link to the main campus in Claremont. Students taking courses at the Academic Center in Keene or at our co-location with Granite State College may access full college services at the main campus.

The Academic Center in Keene and co-location site at Granite State College are subject to all the policies and procedures of River Valley Community College.

Accreditation

River Valley Community College is accredited by the New England Association of Schools and Colleges, Inc. (NEASC) through its Commission on Institutions of Higher Education.

Accreditation of an institution of higher education by NEASC indicates that it meets or exceeds criteria for the assessment of institutional quality periodically applied through a peer review process. An accredited college or university is one which has available the necessary resources to achieve its stated purposes through appropriate educational programs, is substantially doing so, and gives reasonable evidence that it will continue to do so in the foreseeable future. Institutional integrity is also addressed through accreditation.

Accreditation by the New England Association is not partial but applies to the institution as a whole. As such, it is not a guarantee of every course or program offered, or the competence of individual graduates. Rather, it provides reasonable assurance about the quality of opportunities available to students who attend the institution.

Inquiries regarding the accreditation status by the NEASC should be directed to the administrative staff of the institution. Individuals may also contact:

Commission on Institutions of Higher Education
New England Association of Schools and Colleges
3 Burlington Woods Dr., Suite 100
Burlington, Massachusetts 01803
781-425-7700 • Toll Free 855-886-3272
e-mail: cihe@neasc.org

Individual programs at the College have earned recognition and accreditation status by the following organizations:

- * The Committee on Accreditation of Allied Health Education Programs in association with:
 - Committee on Accreditation for Respiratory Care
 - Medical Assisting Education Review Board (MAERB)
- * National Accrediting Agency for Clinical Laboratory Sciences
- * Commission on Accreditation of Physical Therapy Education
- * Accreditation Council for Occupational Therapy Education (ACOTE): American Occupational Therapy Association (AOTA)
- * New Hampshire Board of Nursing
- * Accreditation Council of Business Schools and Programs.

Admissions Procedures

Admissions

Admission to River Valley Community College is open to all applicants meeting the admissions standards of the College and respective programs of study. Applicants will not be barred from admission because of race, age, sexual orientation, gender, handicap, religion, or national origin.

Application Materials for Admissions

An Application for Admission is available in this catalog, on our website (www.rivervalley.edu), or obtained from the Admissions Office at the College, Academic Center in Keene or 27 Pleasant Street Office. All applications and support materials, including a \$20 application fee, should be mailed or forwarded to:

**Admissions Office
River Valley Community College
One College Place
Claremont, NH 03743-9707**

General Admissions Requirements and Procedures:

1. Complete and submit an official River Valley Community College application to the Admissions Office. A \$20 application fee must be included. Checks or money orders should be made payable to Community College System of NH. When applying online at www.rivervalley.edu, the application fee must be paid with a valid credit card at time of submission. Applications received without the application fee will not be processed.
2. Submit evidence of graduation from high school (official transcript of courses and grades); or official documentation of a High School Equivalency scores. Official documents must be received directly from the granting institution in a sealed envelope. (NOTE: It is the applicant's responsibility to request that official transcripts of previous study be mailed directly to the Admissions Office.) The College accepts a transcript using an electronic transcript delivery network.

3. Submit official transcripts of all previous college work. Official documents must be received directly from the granting institution in a sealed envelope or an electronic transcript delivery network.
4. Additional requirements may be requested from the applicant for admission to specific programs of study. These requirements may include, but are not limited to, faculty interview, a program meeting, letters of reference, and pre-admission assessment testing such as the Accuplacer.
5. Notify the College of eligibility for Veterans Administration and other aid programs.

Criminal background checks may be required for some program work based experiences. See page 10 for complete policy.

Applicants are responsible for insuring that all documents requested by the College are received by the College in the manner requested. All documents submitted to the College become the property of River Valley Community College and will not be returned or sent to other organizations or academic institutions.

Refer to academic program pages or description on the website for specific admission requirements and application deadlines.

Accuplacer® Assessment

Most students who wish to register for credit bearing courses at the College will be required to take the Accuplacer®. The Accuplacer® is used to determine a student's level of proficiency in English, mathematics, and reading. The results of the assessment, in conjunction with your academic background, goals and interests, are used by academic advisors to place you in the appropriate College courses that meet your skill level.

Please note: In some cases, students who have taken college level courses at other accredited higher educational institutions may have their college transcripts evaluated and that course work may exempt students from taking sections of the Accuplacer® assessment. Please contact an academic advisor or academic program director at the college if you believe you may not need this testing to register for classes.

Schedule an appointment to take the Accuplacer® assessment by calling 603-542-7744. The cost to take the assessment is \$20 and proof of identify (photo ID such as a driver's license) is required at the time of the test.

Individuals with documented disabilities who require accommodations to take the assessment must submit official documentation to the disabilities coordinator (603-524-7744 x5421) prior to scheduling the assessment. (See page 15).

For more information about the Accuplacer® assessment, contact the Student Success Center (603-542-7744 x5499).

New Hampshire Transfer Connections

A pathway to a four-year degree in NH

This program is designed for high school seniors who wish to study at River Valley Community College for one or two years then transfer to a bachelor's degree program at Granite

State College, Keene State College, Plymouth State University, or the University of New Hampshire. Students who successfully complete an approved selection of courses with the required minimum grade point average are guaranteed admission to these institutions. Visit www.nhtransfer.org or contact the Office of Academic Affairs for more information.

Academic Amnesty

A student who has previously attended River Valley Community College and is admitted at a later time may be eligible for Academic Amnesty, which provides for the following:

1. All grades taken during the student's previous time at the College will no longer be used to calculate the student's new cumulative GPA. However, grades C- and above taken during the student's previous time at the Institute/ College will be used to meet course requirements (where appropriate), subject to the approval of the Vice President of Academic Affairs.
2. Even though previous grades will not be used to calculate the new cumulative GPA, all previous grades will remain on the student's transcript.

In order to be eligible for Academic Amnesty, a student must meet all of the following conditions:

1. The student applies for Academic Amnesty before the start of his/her second semester after readmission.
2. The student has not taken any courses at the original college of enrollment for a period of at least three (3) years from the last semester of attendance.
3. The student has never before received Academic Amnesty.
4. The student achieved a cumulative GPA below 1.7 during previous attendance.

Academic Amnesty forms can be found at www.rivervalley.edu

International Students

In addition to the general admission requirements and specific admission requirements for the desired program, international students issued an F-1 Visa must maintain a minimum course load of 12 credits per semester, must attend on a full time basis (12 credits or more per semester) and submit the following:

1. Official English translation and transcript credential evaluation of all secondary school and university academic records, including a letter mailed directly to the College from an approved Credential Evaluation Service (CES) insuring the authenticity of the educational credentials. Approved CES organizations can be found on our website (www.rivervalley.edu) or by calling Admissions for an approved list;
2. Results for applicants whose native language is not English on test of English as a Foreign Language (TOEFL) with a score of 500 or better (113 or better on computer-based test); or 61 or better on the internet-based test); inquiries

regarding the test should be addressed to: TOEFL, Educational Testing Service, Box 899, Princeton, NJ 08540; students earning less than 500 on the TOEFL may be evaluated for language study*. For students currently in the United States seeking a student visa, the College may waive the TOEFL requirement and administer the Accuplacer Assessment. (see page 4)

3. Letter of support from the person(s) who will be financially responsible for the students; letter should be in English, should include student's name, intent to attend River Valley Community College, and the amount of money available, stated in US dollars;
4. Letter from the financial institution which holds funds of the person(s) financially responsible for the student; statement should be on official letterhead, indicate the sponsor's and student's names, the amount of money available for the student stated in US dollars and be written in English;
5. Admissions requires applicants to present original and current passport and immigration documents including current visa and/or Duration of Status (D/S) card when available. Original documents are required; photo copies of original documents will be made at the College by RVCC staff. Dollar amounts promised by the sponsor and available in the sponsor's bank account should be sufficient to cover a minimum of

two year of expenses (out-of-state tuition, fees, books and miscellaneous expenses). A Certificate of Eligibility for an F-1 Visa (I-20) must be updated when transferring to or attending each new educational institution. Contact Admissions for procedure. **Applicants scoring less than 500 on the TOEFL may apply for the General Studies program with an emphasis on ESL training for academic preparations.*

6. Applicants are required to submit a \$100 non-refundable International Admission fee.

Matriculated Student

A student who applies, is officially accepted to the College in a program, and has been confirmed is said to be matriculated. Some programs may require a non-refundable tuition deposit which will be noted in the acceptance letter. The status remains until the student officially withdraws from the program or college, is put on inactive status due to non-enrollment for 3 semesters, is dismissed for academic or disciplinary reasons, or upon graduation.

Health Forms

Matriculated students in some programs are required to provide completed health forms, and/or submit proof of immunizations or proof of immunity to certain infectious diseases to the applicable program director.

Expenses

2014-2015 Tuition and Fees

A \$100 tuition deposit is charged to students accepted in a Degree, Diploma or Certificate Program. This fee reserves a place in a program and is non-refundable.

Tuition for Division of Degree, Diploma and Certificate Programs

New Hampshire Residents:.....	\$200/credit
New England Regional Students:	\$300/credit
Out-of-State Residents:.....	\$450/credit

Tuition cost is based on residency status. Tuition pays only for enrollment in the program of study. It does not cover the cost of books, uniforms or supplies. Tuition and fees are subject to change.

A member of the Armed Forces of the United States stationed in this state under military orders, or stationed in a contiguous state but temporarily living in NH, shall be entitled to classification for himself/herself, spouse and dependent children as in-state for tuition purposes so long as said orders remain in effect and residence in New Hampshire is continued. Furthermore, military personnel who are residents of another state but choose NH as their residence within 90 days of being discharged from the military will be considered NH residents and charged in-state tuition.

There will be additional tuition and fees for programs with summer affiliations.

Domicile – Change of Residency Status

A student's residency status determines the tuition rate assigned to their account. In-state tuition is available to those students who reside in New Hampshire for twelve (12) consecutive months or more immediately prior to registration for the term which in-state-tuition is claimed. Those domiciled elsewhere shall be invoiced at either the New England Regional Student Program (NERSP) rate or the out-of-state rate.

Matriculated students who establish in-state residency (from an out-of-state or NERSP status) are responsible for notifying the Director of Admissions of their residency change by completing and submitting a Request for Change of Residency Status form, and producing an original driver's license or a non-driver Identification Card. To obtain a Request for Change of Residency Status form, visit <http://www.rivervalley.edu/>.

Note: International students who are attending RVCC on a Student Visa are not eligible to claim in-state or New England Regional Student Program status.

For the full CCSNH Board policy visit www.ccsnh.edu/about-ccsnh/board-policies-system-policies-and-fees. Click on "Student Affairs Policies".

Tuition and Fees

Tuition is due two weeks prior to the beginning of the semester. Tuition may be paid online through the use of the e-cashier link

located on our website www.rivervalley.edu under **Business Office – E-Cashier**, or by mail or phone. If payment arrangements are not in place two weeks prior to the start of a semester, students run the risk of being unregistered from their classes.

When tuition is not fully covered by financial aid (page 7) and/or a payment plan, it is the student's responsibility to pay the difference two weeks prior to the start of classes. Students who have not accepted their financial aid award (the award letter needs to be signed and returned to financial aid), established a payment plan, or paid in full two weeks prior to the start of classes may be unregistered from classes.

Billing (E-Bills)

River Valley Community College students are billed electronically (e-bill) through the Student Information System (SIS) and RVCC student email. **You will not receive paper bills.** Contact the Business Office (603-542-7744 x5304) for more information.

Company Billing

When an employer pays educational expenses, the student must obtain written authorization from the employer on official letterhead and attach it to the registration form. The authorization constitutes a financial agreement. If a student must obtain a predetermined grade in order to be reimbursed by the company, the student is required to pay for the course in advance. The student is financially responsible for tuition balance if the company does not pay.

Tuition Payment Plan

In an effort to assist students with tuition charges, the College offers an interest free monthly or annual payment plan administered by FACTS Tuition Management Company. The plan allows the student to fulfill their financial obligation to the College by automatic electronic processing of installment payments. There is a per semester or an annual enrollment fee for this program. More information can be obtained from the Business Office or on our website by accessing the FACTS/e-cashier link at Student Services.

NOTE: Tuition and fees at River Valley Community College are determined by the CCSNH Board of Trustees. Tuition and fees are subject to change without notice. Applicants should check with the College for verification of current charges.

Refunds For Tuition

To receive a 100% refund of tuition, less non-refundable fees, students must submit a signed drop form to the Registrar's Office by the end of the fourteenth (14th) calendar day of the semester. Students in classes that meet in a format shorter than the traditional semester (15-16 weeks) will have seven (7) calendar days from the designated start of the class to withdraw for a full refund. If the seventh (7th) or fourteenth (14) calendar day falls on a weekend or holiday, the drop refund date will be the first business day following the

weekend or holiday. Exception: students in courses that meet for two weeks or fewer must drop by the end of the first day of the class in order to get a 100% refund.

This policy applies to all semester length and alternative semester formats. Non-refundable fees are defined as advance tuition, application fee, and orientation fee. All other fees are to be considered refundable. This includes, but is not limited to, the comprehensive student services fee. All Federal Title IV Funds (i.e. Pell, SEOG, Perkins Loans, Stafford Loans) are prorated and refunded according to the rules and regulations mandated by the US Department of Education. Students registered for workshops through System Divisions of Continuing Education or Office of Business & Industry Training must withdraw in writing at least three days prior to the first workshop session in order to receive a full refund of tuition and fees. In extenuating circumstances, the President (or designee) is authorized to offer alternative compensation in the form of tuition credit or waiver to students on a "case-by case" basis. Tuition credit must be used within one calendar year from the date of authorization. In accordance with Federal regulations, refunds for an amount less than \$1 will be forfeited. *NOTE: Tuition and fees are subject to change without notice. Applicants should check with the College for verification of current charges.

All refunds require that the student complete and submit to the Registrar an official withdrawal/drop form within the above stated time frames.

Collection Clause

The following collection clause applies to all financial forms requiring student's signature:

"I agree that by registering for courses within the Community College System of New Hampshire (CCSNH), I am financially obligated for ALL costs related to the registered course(s). Upon a drop or withdrawal, I agree that I will be responsible for all charges as noted in the student catalog and handbook. I further understand that if I do not make payment in full, my account may be reported to the credit bureau and/or turned over to an outside agency. I also agree to pay for the fees of any collection agency which may be based on a percentage of the debt up to a minimum of 35%, and all additional costs and expenses, including any protested check fees, court filing costs and reasonable attorney's fees, which will add significant costs to my account balance."

Fee for Protested Checks

Whenever any check, draft or money order issued in payment of any fee or for any purpose is returned as uncollectible, the College shall charge a fee of \$35, in addition to the amount of the check, draft or money order to the department to cover the cost of collection. (RSA 1985, 6:11a)

Academic Instruction Fee

A fee will be charged for all Laboratory/Clinic/Practicum/Co-Op/Internship or other similar experiences. This fee will be calculated by subtracting the number of lecture/class hours

from the number of credit hours and multiplying the sum by \$60.00 for each course. This fee will be added to the normal tuition charge for that course.

Example:

	Cl	Lab	Cr	
AHLC123 Kinesiology	2	3	3	$3 - 2 = 1 \times 60 = \$60$

This fee will be charged to all students with no exceptions.

Nursing Clinical Fee

All nursing students taking clinical courses will be charged a nursing clinical surcharge of \$350.00 per semester. This surcharge is designed to assist in covering the increased expenses associated with clinical classes. This fee is in addition to the academic instruction fee.



Orientation Fee

Incoming matriculated students will be charged a non-refundable orientation fee of \$30.

Comprehensive Student Services Fee

This mandatory fee is charged to all students enrolled in credit courses fall, spring and summer semesters. It entitles students to attend Student Senate sponsored events for little or no cost. The per semester fee is \$5.00 per credit hour.

Graduation Fee

A graduation fee of \$125 is paid by all matriculated students (regardless if they attend graduation ceremonies) to defray the expenses for the graduation ceremony. Students who do not graduate will have this fee refunded.

Additional Expenses to Consider

Allied Health Uniforms	\$50 - 200
Books, Supplies, Tools.....	\$500 - 1000
Nursing Admissions Exam.....	\$50
ATI ASN Achievement Exams	\$610/program
ATI NCLEX Review	\$350
ATI PN Achievement Exams	\$177/program
Annual Liability Insurance for Nursing and Allied Health Students	\$25

All nursing and allied health work based learning experiences require students carry health insurance. Plan must be purchased by March 31st.

A **health insurance plan** for students is available. Contact Student Services or visit the College website (www.rivervalley.edu) for more information.

Financial Aid

What is Financial Aid?

Few students can afford to pay for college without some form of education financing or assistance. Financial aid is money for direct (tuition and fees) and indirect (books, supplies, reasonable living expenses and transportation) college expenses. This money comes in three forms:

- Grants which **do not** need to be paid back
- Scholarships which **do not** need to be paid back
- Loans which **do** need to be paid back
- Part-time jobs from which the student earns an hourly wage also known as Federal Work Study

Students who are awarded financial aid may receive any or all of these forms of aid.

Financial Aid is assistance available only for students matriculated (formally accepted) in a financial aid-eligible degree or certificate program.

To be awarded financial aid, the student must:

- Complete the FAFSA (Free Application for Federal Financial Aid) www.fafsa.ed.gov. Our school code is **007560**

- Demonstrate financial need as determined by federal or state guidelines
- Submit any additional documentation the college may request
- Eligibility for financial aid is based on the number of credits for which a student is enrolled in a particular semester. RVCC defines enrollment as:
 - Full time = 12 or more credits per semester
 - $\frac{3}{4}$ time = 9-11 credits per semester
 - Part time = 6-8 credits per semester
- Students not planning to enroll at least half-time (6 credits) should check with the Financial Aid Office to determine eligibility.
- Maintain satisfactory academic progress (See Standards of Satisfactory Progress at www.rivervalley.edu/admissions/financial-aid)
- Reapply for financial aid each academic year

A FAFSA must be filed each year. The financial aid year begins with the summer semester at River Valley Community College. The preferred filing date is April 1 for the upcoming

aid year. Students who meet this filing date will be considered for all federal funds and state grants. Students who file after this date will be considered on a fund-available basis.

To receive aid in future semesters, a student must meet qualitative and quantitative standards for Satisfactory Academic Progress for Financial Aid (SAP). These standards are described below and in the College's Financial Aid Handbook, available online: www.rivervalley.edu.

Satisfactory Academic Progress for Financial Aid (SAP): financial aid recipients must make Satisfactory Academic Progress for Financial Aid in their current matriculated eligible program to retain financial aid eligibility. The standards for SAP are specific to the financial aid program, and are both qualitative and quantitative. The standards measure a student's cumulative grade point average (CGPA) and his/her "incremental" progress in terms of completing a minimum amount of work at stated intervals. When a student is reviewed for SAP, all the student's enrollment periods at RVCC are included in the review. This includes enrollment periods during which the student did not receive financial aid and enrollment periods during which a student did receive financial aid. Satisfactory Academic Progress is reviewed by the Financial Aid Office at the end of each semester.

Students who meet SAP standards will retain eligibility for student financial aid for the following semester. Students who do not meet SAP standards will be placed on SAP warning for one semester. At the end of the warning semester, the student's record will be reviewed. If the students meet SAP standards, the student will once again be eligible for financial aid for the following semester. If the student is still unable to meet SAP standards, he/she will be ineligible to receive financial aid. The student may appeal the decision. Please contact the Financial Aid Office regarding the appeal process.

Maximum Timeframe Component: A student may receive student federal aid for any attempted credits toward his or her program of study as long as those credits do not exceed 150% of the published length of the student's program of study. For example, a student enrolled in an eligible 24-credit certificate program can receive financial aid for up to 36 credits attempted. Likewise, a student re-enrolled in a program of study that requires 64 credits to earn the degree can receive student federal aid for a maximum of 96 credits attempted.

Specific Satisfactory Academic Progress for Financial Aid and the Maximum Timeframe Component policy information is available through the Financial Aid Office and published in the Financial Aid Handbook at www.rivervalley.edu.

Sources of Financial Aid

- Pell Grant is a federal grant for students who demonstrate exceptional financial need. The Pell Grant does not have to be paid back.
- Federal Supplemental Education Opportunity Grant (SEOG) is for students who demonstrate exceptional financial need. The SEOG does not have to be paid back.
- Federal Work-Study money is for educational expenses and is paid by the school for on-campus and community-based work. Students receive pay checks as work is completed.

- Federal Perkins Loan is a low interest loan.
- Federal Direct Loan Programs (DL) are low interest loans and include Federal Direct Subsidized (non interest accruing while in school), Federal Direct Unsubsidized (interest accruing while in school) and Federal Direct Parent Loans (PLUS).
- Alternative Loans are student loans made by private lending institutions.
- State Grant Programs
- Scholarships
 - www.ccsnh.edu
 - www.nhfc.org
 - www.fastweb.com
 - www.rivervalley.edu
 - www.scholarshipexperts.com

Students who accept loans must complete loan counseling (Entrance Counseling) and sign a Master Promissory Note (MPN) on-line at www.studentloans.gov.

Important Financial Aid Policies

Return of Federal Title IV Funds: Returns of Federal Title IV Funds (RT4) for financial aid students who withdraw, officially or unofficially, from all of their courses in a semester prior to the 60% point of the semester, are guided by special return policies formulated by the United State Department of Education. The exact amount required to be returned will vary depending on the amount of grant and loan funds the student received and at what point in the semester the student withdrew. In addition, the student will be liable for the balanced owed the college for tuition and fees. Specific return policy information is available through the Financial Aid Office, and published in the Financial Aid Handbook at www.rivervalley.edu.

Courses Covered: Financial aid is available only for courses within a student's eligible program of study.

Repeating Courses: Financial Aid will not cover repeat courses if credit has been earned for the first attempt. An exception to this will be granted if a better grade is required by a student's current program.

Veterans Administration Assistance Programs

For information regarding VA benefits, you may contact the Department of Veterans Affairs: VA Regional Office, PO Box 4616, Buffalo, NY 14240-4616, 1-888-GIBILL-1 (1-888-442-4551), www.gibill.va.gov.

The office of the Registrar at River Valley Community College can also provide assistance to veterans regarding status as a student.

Project RISE

Project RISE offers counseling and financial support to single parents and displaced homemakers who are accepted into programs at River Valley Community College. Guidance is available for career support and pursuits as well as academic or personal issues. Financial support is awarded in the areas of tuition, books, child care and transportation reimbursements to those who qualify.

Academic Requirements

Associate Degree

The minimum requirement for all Associate Degrees is 64 credit hours and completion of all specified course requirements. Specific requirements for Associate in Arts and Associate in Science degrees can be found on page 18.

Certificate/Diploma

Certificate/Diploma programs emphasize specific skills and outcomes required for employment or for career advancement. A Diploma Program requires completion of a minimum of thirty-two (32) semester hours of credit to develop skills in an occupational field. Included in the 32 credits shall be a minimum of twelve (12) credits of General Education courses. The Diploma Program is designed to facilitate transfer into an Associate Degree if the student decides to continue.

Regardless of their duration or composition, certificate programs emphasize specific skills and outcomes required for employment or for career advancement. There are no specific general education requirements, except as required to meet stated competency requirements.

Attendance Policy

Class attendance is considered essential to academic success. Since there are constant learning opportunities between faculty members and students, and between students and other students within the learning environment, it is expected that students will attend each meeting of each course in which they are enrolled.

Specific attendance policies for each course are determined by the instructor and will be stated in writing in the course syllabus. These policies reflect the instructor's authority to determine under what terms students may be permitted to make up work missed through absence or tardiness.

Student Conduct and Discipline

A student's continued enrollment at the College is dependent on academic performance and behavior. The awarding of academic credits and recognition and the conferring of degrees, diplomas, certificates and awards are subject to the academic and judicial authorities of the College. A student's registration may be canceled and he/she may, following due process, be dismissed from the College at any time and on any grounds deemed advisable by the Administration.

Student conduct, both on and off campus, of a nature which would discredit the student and/or on the College, may result in disciplinary action by the College. Persons are subject to the laws of the State regardless of their student status and are subject to College discipline when the College's interests as an academic community are distinctly and clearly involved.

The judicial process will be the responsibility of the Vice President of Student Services and Community Relations, Vice President of Academic Affairs, and the Judicial Committee. The Vice Presidents may take administrative disciplinary action when it is deemed necessary to ensure the safety of students, faculty or staff and/or the continuation of the educational process. The final judicial authority of the College is vested in the President.

Grading System

Students earn grades which are assigned by individual faculty members on the basis of an objective evaluation of students' academic achievement. To successfully complete a certificate, a diploma or an associate degree at the College, students must earn a minimum Cumulative Grade Point Average (GPA) of 2.00 and meet all program requirements.

The reporting of student achievement utilizes the following grades:

Grade	Quality Points	Grade	Quality Points
A	4.0	C	2.0
A-	3.7	C-	1.7
B+	3.3	D+	1.3
B	3.0	D	1.0
B-	2.7	D-	0.7
C+	2.3	F	0.0

Auxiliary Grades

W: (Withdrawal) Student initiated withdrawal from a course at any time prior to completion of the drop/withdrawal deadline (60% of the course). Is not calculated in GPA. Can be initiated by the instructor if the student, because of extenuating circumstances, is unable to initiate the process (e.g., catastrophic illness or injury, job transfer to another state).

WP: (Withdrawal Passing) Student initiated withdrawal from a course after the drop/withdrawal deadline (60%) of the course; student has a passing grade at time of drop, as determined by the instructor. Is not calculated in GPA. Can be initiated by the instructor if the student, because of extenuating circumstances, is unable to initiate the process (e.g., catastrophic illness or injury, job transfer to another state).

WF: (Withdrawal Failing) Student initiated withdrawal from a course after the drop/withdrawal deadline (60%) of the course; student has a failing grade at time of drop/withdrawal, as determined by the instructor. Calculates in GPA as an "F."

AF: (Administrative Failure) Instructor or administrator initiated withdrawal at any time for reasons other than poor grade performance—e.g., failure to meet attendance requirements, as published in the instructor's syllabus, violation of the Student Code of Conduct, disruptive behavior, etc. The grade may also be issued if a student registered in a clinic, practicum, internship or lab is deemed unsafe or performing in an unsatisfactory manner as determined by an evaluation by a faculty member/agency supervisor in accordance with department criteria and procedure, and for students who stop attending class. Calculated in GPA as an "F."

AU: (Audit) A course taken as an audit does not earn credit and cannot be used to meet graduation requirements. Admission by permission of the instructor. **Not all courses are available for audit.** See full *Audit Policy* page 12.

I: (Incomplete grade) Indicates that a student has not completed a major course assignment due to extraordinary circumstances. It is not used to give an extension of time for a student delinquent in meeting course responsibilities. The “I” grade is not calculated into the GPA. However, all work must be completed by the end of the third week of the subsequent semester or the grade defaults to an “F”. See full *Incomplete Grade Policy in Student Handbook*.

P: (Pass) Used in Pass/Fail courses. (not calculated into GPA)

PP: (Provisional Pass) Used in Pass/Fail courses warning (not calculated into GPA)

NP: (No Pass) Used in Pass/Fail courses unsatisfactory (not calculated into GPA)

CS: (Continuing Study) Allows student to re-register for developmental course if competencies have not been met by end of the course. Intended for students who have demonstrated progress and a commitment to succeeding in the course but who need more time to achieve competencies. Does not affect GPA.

CG: Credit Granted: Indicates credit has been granted for prior learning through a College structured process.

NC: Non-credit: “NC” is used on transcripts to distinguish non-credit courses.

R: Repeat

T: Transfer

Course Repeat Policy

When a student repeats a course at the same CCSNH institution, the grade achieved in the most recent course will be the grade used in the CGPA calculation. All previous grades will remain on the transcript but are not used in the calculation. Only those repeated courses completed at River Valley Community College will be used in the calculation of the CGPA; repeated courses completed at an institution outside of River Valley Community College and transferred into the student’s college of matriculation will not be used in the calculation of the CGPA.

Third and subsequent attempts to repeat a course will require the approval of the Vice President of Academic Affairs.

Work Based Learning (WBL)

Work based learning (WBL) is an educational opportunity for students to apply learning to the professional workplace, strengthening skills and learning more about the requirements of the field and how best to perform. WBL is identified in different ways, but includes courses titled: clinical, affiliation, fieldwork, and practicum. Some WBL is incorporated into courses that are offered each semester, while others are scheduled independently. They may be scheduled for a few days a week, or for several consecutive full weeks. Each experience is completed in a workplace environment.

For all WBL experiences student knowledge, technical skills, attitude, attendance and behavior are evaluated based on pre-determined criteria that are provided to the students and the agency. It is the student’s responsibility to understand the goals, objectives and evaluation criteria for the experience and to adhere to all policies, rules and procedures set forth by RVCC, the academic department/program and the assigned workplace.

To ensure the safety and well being of others, the College must be certain that each student participating in a WBL experience possesses minimum skills, knowledge, personal maturity and judgment as defined by department/program standards. A student will not be placed in, or will be removed from, a WBL experience if performance or behavior is deemed unsatisfactory or unsafe as a result of a formal evaluation conducted by a faculty member/agency supervisor in accordance with published department/program, criteria and procedures. In such circumstances in which a removal from the WBL is indicated a grade of “AF” will be assigned.

The RVCC Student Handbook describes sanctions that can be taken if a student violates the College Code of Conduct while participating in a WBL experience. There are occasions when a violation is significant enough that a student will be recommended for immediate expulsion from the WBL experience or suspension from a program. In such instances:

- The faculty will make a recommendation to the Vice President of Academic Affairs that specifies the exact nature of the situation and the potential risks for continuation in the experience.
- The student will be notified of this recommendation in conference and a signature will be secured indicating the student understands that they must not return to the workplace setting.
- Upon review of the recommendation and supporting documentation, the VPAA will make a decision to support the faculty recommendation or will require a meeting with the student, college faculty and WBL supervisor to review the status and discuss possible options.

As with any academic decision, the student has the right to appeal as described in the RVCC Student Handbook.

Criminal Background Check Policy

A criminal background check is required by many facilities prior to Work Based Learning (WBL) experiences. Failure to undergo a criminal background prior to an assigned work based learning experience may result in inability to progress in a program. Should an agency refuse to place a student based on the outcome of the background check, the college/program shall have no responsibility for arranging an alternate clinical/fieldwork or practicum placement. Students may appeal the decision and will be given the opportunity to present information to dispute the background check. Students must agree that all results will be available to the program and the sites associated with the program. The criminal background check may be required several times during a two year program and may be required for employment and/or licensure and/or

certification. Cost for the criminal background check will be the responsibility of the student. RVCC currently works with Certified Background Check (www.certifiedbackgroundcheck.com) to help students in this process. Students should work with their Program Directors for assistance. Note: Some agencies require a state and federal background check.

Grades/Schedules Online

The College provides students electronic access to their academic information, such as grades and schedules, (www.river-valley.edu) using the Student Information System (SIS). Grades and schedules will be mailed to students only upon request.

Eligibility for Extracurricular Activities

To participate in intercollegiate activities or hold office in student government/clubs, students must be “in good standing” at the College. A student officer who is placed on probation may continue to hold that office for the current semester. If such probation continues after the semester, the office must be vacated and an election held to fill the vacancy.

Transcripts

Transcripts of a student’s College record will be furnished upon written and signed request, or online by an electronic order through the Student Information System.

Transfer of Credit

Students may be admitted to programs with advanced standing if they have taken appropriate college courses at another regionally accredited institution and earned a “C” or higher. It is the student’s responsibility to furnish official transcripts and, if requested, course descriptions. A Department Chair, Program Director or designee will evaluate each course and grade. College courses for transfer credit beyond ten years will be evaluated by department chairs and/or the Vice President of Academic Affairs. The Vice President of Academic Affairs determines if the credits should transfer and the student will receive a list of courses accepted for transfer.

Any current students seeking to take a course at another college and wishing to apply that course to their degree must have prior written approval from the Vice President of Academic Affairs and their Department Chair or Program Director to guarantee acceptance of transfer credit.

Credits earned at another institution will be added to the total credits accumulated for graduation but are not included in GPA or CGPA calculation.

College Board Advance Placement Test

The College recognizes the College Board Advanced Placement Examination Program as a means of evaluating a student’s eligibility for advanced placement and credit transfer. Students who have participated in the AP Program and who have been admitted to the College should have official AP grade reports forwarded from the College Board directly to the College Admissions Office. More information can be found at College Board, Advanced Placement Examinations, CN6671, Princeton, NJ 08541-6671, telephone number (609) 771-7300 (www.collegeboard.com).

Upon receipt of the students AP grade reports, the Admissions Office will access the grade and recommend to the Vice President of Academic Affairs credits to be transferred based on the College’s policies relating to the AP scores for the various exam subjects. The minimum score to receive credit varies from 3 to 5. No credit is awarded on any AP exam score of less than 3. The policy stating the specific exam scores for each subject area may be reviewed at either the Admissions or Registrar’s Office

Credit by Examination (CBE)

Credit by examination may be earned by a matriculated student who, by study, training or experience outside the Community College System has acquired skill or knowledge equivalent to that acquired by the student enrolled in a College course. Such skill, knowledge or experience shall be in the area of the course concerned; and determined to be relevant by the Vice President of Academic Affairs or other authorized personnel, based on evidence that the background prerequisites justify allowing the student to take the exam. Background prerequisites shall include the student’s academic or employment record or both; or faculty recommendations. The examination shall be given only in regular courses listed in the catalog.

The student shall apply to the Vice President of Academic Affairs or authorized person of the College by completing the appropriate RVCC CBE Request Form. Upon approval, the student will pay a non-refundable fee of \$25 per credit to the cashier. The date for the exam shall be determined by the instructor administering the exam, but shall not take place more than 1 month after the student has obtained permission to take the exam.

If successful, the appropriate credits earned are applied to the student’s program. Credit will not be given for grades below “C”. A student receiving a grade below a “C” is ineligible for another CBE in that course. A student may not CBE a course in which he/she is enrolled, has earned a grade within the Community College System of New Hampshire, has been administratively withdrawn, or has dropped the course after the two-week drop/add period.

A candidate wishing to review the material for which he/she shall be held responsible in a CBE may request from the department chairperson a course outline with a list of areas of the subject matter covered upon which the exam will be based. The CBE shall cover the content of the course being challenged.

Students shall be allowed to indicate at what level they feel they should be tested when challenging an area with sequential courses. Final decision as to the level at which testing shall occur in sequential course work shall rest with the Vice President of Academic Affairs based on evidence supplied by the student as set forth above.

College-Level Examination (CLEP)

The College awards credits for some courses through the CLEP program administered by the College Entrance Examination Board. Passing grade for CLEP is 50 or above, depending upon the course. Students should consult with Program Director, Department Chairperson or Vice President of Academic Affairs before taking CLEP exams to determine which CLEP exams with appropriate scores can be used to fulfill program requirements (www.collegeboard.com).

Audit

Students may enroll in some courses which provide an opportunity to learn more about the challenges of college work, explore a discipline of interest, refresh prior learning, or supplement existing knowledge. Typically, a student attends lectures, seminars, and/or labs but does not complete graded assignments. When auditing, the student will not be given a final grade nor will credit towards graduation be given for the course (the academic transcript will reflect an AU for the course). Students must pay the full tuition for the course. Financial Aid does not cover costs for an audited course. Not all courses can be taken for audit, and entry into a course as an auditing student is by permission of the instructor. A student must complete a registration as an audit during the first week of classes. Once admitted as an audit the student may not change to credit status after the designated add period; likewise, a student registered for credit may not change to audit status after the designated add period. Exceptions to the above may be made by the Vice President of Academic Affairs.

Project Running Start

Project Running Start allows high school students, in participating high schools, to enroll in River Valley Community College courses taught in the high school by the high school teachers. College credits may be used towards completion of a degree, a diploma, or a certificate at RVCC. Credits may be transferred to other Community College System of New Hampshire campuses as well as universities and colleges throughout the country. (Please note that the determination of transfer credit is at the discretion of the receiving institution.) Project Running Start students realize significant advantages: college credit is awarded in high school, tuition costs are reduced (\$150 per course registration), time to complete higher education requirements is reduced, and confidence in the transition to college is increased. High school graduates considering River Valley Community College are encouraged to enroll within one year to ensure that Running Start credits will be accepted into a current program.

Dual Enrollment Program

The Dual Enrollment Program for high school juniors and seniors covered by the MOU – Catch The Wave, provides the opportunity for junior and senior high school students to take River Valley Community College (RVCC) courses at the following locations: RVCC's main campus, the Academic Center in Keene or our co-location at Granite State College in downtown Claremont. Students earn college credits that also meet high school graduation requirements. Seniors in high school may also apply for conditional early admissions to a program of choice at River Valley.

Academic Standards

Students falling below the following standards will be designated as not meeting satisfactory academic progress. Failure to meet satisfactory progress will result in either Academic Probation or Academic Suspension.

Academic Probation Definition: a warning which indicates the student may not be on track to graduate because of poor academic performance. The student may remain in the program, but his/her academic progress will be monitored.

Students will be placed on Academic Probation when they meet the following criteria:

- 0-13 Credits Accumulated:below 1.50 CGPA
- 14-27 Credits Accumulated:below 1.70 CGPA
- 28-40 Credits Accumulated:below 1.80 CGPA
- 41+ Credits Accumulated:below 2.00 CGPA

Academic Suspension Definition: the student may no longer remain in the program and may not re-apply for admission or take major field courses in the program for a minimum of one semester.

Students will be placed on Academic Suspension when they meet the following criteria:

- 0-13 Credits Accumulated:below 0.50 CGPA
- 14-27 Credits Accumulated:below 1.10 CGPA
- 28-40 Credits Accumulated:below 1.25 CGPA
- 41+ Credits Accumulated:below 1.50 CGPA

OR

A student who does not meet satisfactory progress for Academic Probation for three consecutive semesters will be placed on Academic Suspension.

The student will receive written notification by certified mail. A suspended student may take courses at River Valley Community College as a non-matriculated student. Before re-applying for matriculation into their program of study, the student must show evidence of having successfully completed two three-credit courses with a "C" or better prior to re-applying.

Financial aid may be in jeopardy if a student fails to achieve satisfactory academic progress as defined above.

Graduation Requirements

To graduate, students must complete all courses and attain a cumulative grade point average (CGPA) of at least 2.0 within his/her program. Specific requirements for all degree, diploma and certificate programs are available from the Registrar. Credits earned in developmental courses are not counted toward graduation requirements. Matriculated students must earn a minimum number of academic credits at the College as follows:

1. Degree students must earn 16 credits, of which 8 credits must be in advanced courses in the student's major.
2. Diploma and Professional Certificate students must earn 9 credits or 25% of the credits, whichever is higher.
3. Certificate students must earn 6 credits or 25% of the credits, whichever is higher.

Academic Honors

A full-time, matriculated student in good standing with a grade point average of at least 3.70 is entitled to honors on the President's List. A full-time, matriculated student earning a grade point average of 3.0 to 3.69 is entitled to honors on the Vice President's List.

Graduation Honors—College CGPA

CGPA 3.20 - 3.59 = Cum Laude
CGPA 3.60 - 3.89 = Magna Cum Laude
CGPA 3.90 - 4.00 = Summa Cum Laude

Graduates earning a CGPA of 3.50 or higher are entitled to wear a gold tassel. Students who have not completed all graduation requirements at the time of graduation are not eligible for graduation honors, and will not be awarded the gold tassel.

All College Policies relating to academic matters are detailed in the annual edition of the Student Handbook.

Medical Leave Policy

A matriculated student who, due to a serious medical condition that requires extended in-patient treatment in a medical facility and/or ongoing outpatient medical treatment, becomes unable to complete his/her academic requirements and/or who becomes unable to meet the program's technical standards and/or the requirements of the Student Code of Conduct, may apply for a formal Medical Leave of Absence for up to two consecutive semesters.

Requests must contain official healthcare professional documentation with a letter that includes the student's name, address and program. **Drop forms must be completed for the courses involved.**

Students considering a Medical Leave of Absence should be aware that granting of such leave does not relieve a student from financial responsibility to the College. A student who is seeking a Medical Leave of Absence who is also a financial aid recipient should contact the Financial Aid Office to discuss the leave and any potential implications for changes in financial aid eligibility. Students who have concerns about continuing health insurance coverage may also wish to consult <http://www.michelleslaw.com> for important information. See full policy in the Student Handbook.

College Withdrawal

Any student who finds it necessary to withdraw from the College should first notify his/her faculty advisor and then obtain a College Withdrawal Form from the Registrar's Office. The student is responsible for getting all required signatures and submitting the completed form to the Registrar's Office. Failure to officially withdraw or return College property may result in course failures and academic suspension. Any of-

ficial withdrawal from the College after the last date to drop a full semester course has passed shall be considered effective the first day of the following semester for academic reasons, and the student will be held academically accountable for the entire semester. A final grade will be issued as though the student had completed the entire semester. Students who have officially withdrawn from the College may apply for readmission.

RVCC/Granite State College Partnership

In celebration of their shared missions, Granite State College (GSC) and River Valley Community College (RVCC) have joined forces to provide a seamless pathway from a RVCC associate program to a GSC bachelor's degree. This innovative partnership provides the opportunity for RVCC graduates in specific degree programs to transfer all credits earned at RVCC into a designated GSC bachelor's program. Graduates from these bachelor programs may also pursue a master's degree in a related field. The two institutions will share space and resources, and most importantly, create an opportunity for residents of the Connecticut River Valley to continue their education at one, single location that's convenient, comfortable, and located in the heart of their community.

RVCC programs currently included in this partnership are Health Care Management, Criminal Justice and Human Services.

Articulation Agreements

River Valley Community College has articulation agreements with the University System of New Hampshire. In addition, many programs have written agreements with 4-year colleges and universities that provide seamless transfer to bachelor degree programs. Existing agreements are with: • University of New Hampshire • Plymouth State University • Keene State College • University of Vermont • Granite State College • Franklin Pierce University • Franklin University of Ohio • SUNY – UpState Medical University • Rivier College • University of New England • Hesser College • New England College • Springfield College • Burlington College • University of Wisconsin • NH Institute of Art • Colby Sawyer College.

For more information, contact the Academic Affairs Office (603) 542-7744 x5423 or www.nhtransfer.org

Student Services

The College is committed to providing an experience that educates and supports students in and out of the classroom. Building networks and resources along with co-curricular programs and activities help meet this student-centered mission. A conscientious effort is made to know students as individuals and to serve their interests and needs accordingly. All Student Service activities and clubs are accessible through the Student Service office in Claremont.

The Student Handbook describes student related policies and programs. Students are expected to be informed about the policies published in this catalog and in the Student Handbook, as well as subsequent policies and information that may be published or posted during the school year. Policies of the College may, and often do, change since the College must maintain flexibility to serve its students. It is the responsibility of the student to read and understand College policies.

Housing

River Valley Community College does not offer on-campus housing. The College recommends using newspaper listings, contacting real estate professionals, or scanning our local and campus bulletin boards to locate housing appropriate for you.

Child Care

The College maintains a list of child care options in the area. Contact the Student Services Department for more information.

Counseling

Although the College does not have professional counselors or psychiatric professionals on staff, the college does have a number of options available for those students in need of professional counseling. Students can participate in groups to discuss career, and/or academic concerns. Program directors, faculty, and staff are trained to provide additional one-on-one consultation and dialogue. Community agencies in the area are available for assistance in finding solutions to individual concerns. The College FIRST Team, a team of trained faculty and staff members who deal in crisis management, are a resource to the campus community.

Food Service

CLAREMONT - Dining facilities are available in the Falcon Room. Students may bring their own food or purchase it from the contracted food service provider. Microwave ovens and vending machines are also available to students, faculty and staff.

ACADEMIC CENTER - KEENE - Vending machines are available in the Common Room for drinks and snacks. Microwave ovens are available at the Center.

Health Services

There is no formal health services system within the College, however, there are many resources available. Costs and eligibility requirements vary, so you are urged to call in advance, if possible.

Students are responsible for all expenses incurred as a result of medical services required in the event of an accident or injury while on campus or at clinical sites.

RVCC in Claremont is located approximately one mile from Valley Regional Hospital. This facility is utilized for any emergency medical problems occurring at the Claremont campus. The Academic Center in Keene is located approximately two miles from the Cheshire Medical Center, which is utilized for any emergency medical problems.

Insurance

It is highly recommended that students carry medical health insurance of some kind while attending the College. All Allied Health and Nursing students are required to have medical health insurance. Any expense incurred as a result of injury or illness while attending clinical or classes will be the responsibility of the student. Student accident/sickness plans are available through the College. Information and application for the stu-

dent medical plan can be obtained from the Student Services Office. Costs vary depending on the plan selected. Deadline for purchase is March 31st.

Bookstore

The Bookstore, located at the Claremont campus, is open daily and serves as a center for the purchase of textbooks and equipment necessary for study. The Bookstore is not an agent of the College and is operated by a private company under contract with the Community College System of New Hampshire.

The Bookstore phone # is: 603-543-0915. **Students can purchase books online by going to www.efollett.com.**

Student Activities

Activities are organized by student interest groups, student government, clubs. Student organizations include: Falcon Flight Outing Club, Scrub Club, Student Senate, Phi Theta Kappa and many program specific clubs. Activities are open to students in both Claremont locations and in Keene.

Student Senate

The Student Senate is the student government at the College. It exists to promote student unity through creating and supporting student interest in extracurricular activities and to exercise general policy-making authority over student activities and affairs. Information about Student Senate is found at Student Information Boards at the main campus and academic center.

Phi Theta Kappa

River Valley Community College is affiliated with Phi Theta Kappa, an international honor society for two-year colleges. It recognizes and encourages scholarship, leadership, service and fellowship in two-year colleges. Invitations for membership are extended to (12 semester hours) associate degree students who have accumulated 12 credit hours, have achieved a 3.5 cumulative grade point average and have demonstrated leadership and service. The River Valley Community College chapter is Alpha Delta Chi.

Graduate Transfer & Job Placement

Placement assistance is available at the College to all students and alumni through a job board, placement listings and contacts with local, regional and state companies. Employment is often obtained by students as a direct result of their program internships or clinical affiliations.

Members of the business community are also invited to make presentations at the College relevant to one of the College's programs and to meet our students. In addition, companies and four-year colleges and universities are invited to campus annually for a Career & Transfer Fair. Students have the opportunity to meet with their representatives, investigate career opportunities, discuss potential job placement and transfer opportunities.

Library Services

The Charles Puksta Library offers student centered information and research services to support curriculum needs and information literacy. The facility provides a comfortable and welcoming environment conducive to academic inquiry. The 10,000+ square foot facility features a 20 seat computer lab, a multimedia lab, group and individual study space, increased stack space and wireless Internet access throughout the library.

The library features a complete package of print, audiovisual and electronic resources to meet research needs. Our current collection contains over 13,000 books, 95 periodical subscriptions and 500 videos and dvds. The collection is built to support the specific programs at the college as well as to provide recreational reading and enrichment opportunities. In addition, the library currently offers over 20 journal databases, an online encyclopedia, an online medical dictionary and other electronic resources. All online resources are available to students on and off campus. The library has access to an extensive network of academic and public libraries to provide students with access to materials not available in our own collection.

Library instruction is available to assist with all library resources and to ensure students are conducting effective research. Group or individual sessions may be arranged. Drop in assistance is provided during all hours of operation.

Please direct all questions about library services to the College Library Staff at 603-542-7744 x5465 or email the Library Director at jallen@ccsnh.edu.



Department of Instructional Services Student Success Center

The Department of Instructional Services provides a wide range of academic supports to all students at the College. Students are encouraged to utilize the staff and resources available to help them achieve their academic goals. Some of the services available at River Valley Community College include general academic advising, peer and master tutoring, study skills assessment and review, computer assisted instruction, and computerized learning assistance with self-paced learning modules. The department also functions as a coordinating point for enrolled students who find themselves looking for support with disabilities, English as a Second Language (ESL), international students and students who have been away from an academic environment for an extended period of time or might come underprepared for the academic rigor at the college.

Developmental courses and workshops are coordinated through Instructional Services. Those individuals needing assistance with placement or building basic academic skills in reading, writing, mathematics, and basic scientific concepts should visit the Student Success Center. Developmental courses that are required or suggested may extend the program of study.

Academic counseling is available to discuss a variety of topics that inform students at the college. Some of these topics include:

- course placement,
- testing,

- aid in the development of individualized or alternative course sequences of study,
- and develop strategies for college success.

Our efforts focus on empowering individuals to become independent, self-directed, and inspired life-long learners. We attempt to accomplish our goals with students by assisting students in making appropriate postsecondary educational choices and implementing appropriate plans to accomplish goals; assisting students in meeting the academic challenge of college toward completion of certificates and degree programs; providing coordination of services for students with physical, language and learning difficulties to accomplish educational goals; assisting academically under prepared individuals to meet college threshold competencies.

Support Services for Students with Disabilities

River Valley Community College is committed to assuring that students with documented disabilities are guaranteed equal access to all the educational benefits of the College. Students who self-disclose a disability are invited to meet with the Disabilities Coordinator to discuss services available through the Department of Instructional Services. Students with valid, current documentation of a disability may be qualified for services under Section 504 of the Rehabilitation Act of 1973. Current documentation requirements are based on the type of disability and range from

evaluations within the past 6 months to evaluation within the past 5 years. Qualified students with disabilities may request appropriate classroom accommodations under Section 504. Appropriate classroom accommodations are granted by the College through the Disabilities Coordinator on a case-by-case basis and are designed to help students meet academic program requirements. Students need to meet the academic and technical standards required for admission or for participation in the college's programs to be considered "otherwise qualified."

Universities are not required to:

- Reduce or adjust the essential requirements of a course or program
- Conduct testing and assessment of disabilities

- Provide personal attendants
- Provide personal or private tutors

Reasonable and appropriate classroom accommodations are recommended in an Individual Reasonable Accommodation Plan which the student shares with course instructors. The Disabilities Coordinator then works closely with students and instructors in implementing the recommended accommodated plan. Students with Individual Reasonable Accommodation Plans must have their plans renewed or updated by the Disabilities Coordinator each semester. Students are strongly advised to review the procedure for seeking appropriate academic accommodations with the Disabilities Coordinator. For further information on required documentation and appointments, contact the Disabilities Coordinator by calling the College at 542-7744 ext. 5421.

Division of Continuing Education

The goal of the Division of Continuing Education (DCE) is to offer affordable and diverse study opportunities for the College's student population and to the public at large. DCE offers access to academic, technical, professional, and enrichment courses preparing students for employment and responsible citizenship. The Division of Continuing Education is committed to offering students flexibility of evening and weekend courses and distance education opportunities. Many students choose to pursue their degree through DCE offerings while continuing to work or attend to other obligations.

Both credit courses and non-credit workshops are offered throughout the year. Courses range from traditional selections

in Computer Technology, Humanities, Business, Arts, Mathematics, and Sciences to workshops that include such topics as computer applications, and licensing and recertification courses. Courses and workshops are also customized to meet the diverse needs of the community.

We are committed to offering active learning opportunities to our community. As people strive to blend schedules with their family, employment and daily needs, yet still engage in the work of continuing their education, we in the DCE community will strive to continue to offer educational opportunities in a learner-friendly atmosphere.

Business and Industry Training

The River Valley Community College continues to collaborate with businesses and organizations, to provide educational opportunities within the community. We work with business and industry in the local areas to assist them in providing relevant training to their employees. We understand the increased necessity of business/industry to develop and maintain a well educated and trained workforce. It is this level of workforce that will propel an organization into creating a sustainable competitive advantage. Understanding this, RVCC has positioned itself to rapidly address the specialized and varying needs of business/industry. We continue to create and expand on opportunities for our surrounding businesses.

WorkReadyNH

The WorkReadyNH job training program offers a 60-hour professional level Soft Skills course that includes Interviews, Communication, Team Building, Conflict Resolution, Problem Solving, Employer Expectations, Diversity, Critical Thinking, Ethics, Customer Service, and Safety. In addition, reading, math and locating information (charts, graphs) skills are assessed and documented through the nationally recognized ACT WorkKeys® National Career Ready Certificate® (NCRC®). Participants receive a certificate from River Valley Community College and ACT upon completion. This program is free to NH residents.

Online Learning

River Valley Community College offers many online courses to provide students easy access to higher education. This delivery system supports the mission of the Community College System of NH and River Valley Community College and ensures maximum access to higher education by utilizing instructional technology and effective pedagogy to eliminate the barriers of distance, time and place.

Students are able to take credit courses 100% online that directly apply to a certificate, diploma or degree. For more information, visit <http://www.ccsnh.edu/academics/online-learning-blackboard>.

General Education

Degree Requirements

All Associate Degrees have a General Education core. That core draws not from specific occupational or professional objectives but from thought processes of the mathematician, the scientist, the writer, the humanist, and the social scientist. Grappling with universal questions, students learn how the past developed answers and how past answers become foundations for dealing with questions in the present and future.

The General Education core consists of courses that are drawn from English, mathematics, the sciences, the social sciences, and the humanities/fine arts/world languages disciplines. They are essential elements in the achievement of identified College outcomes and together create a coherent general education design.

Regularly Scheduled Offerings

The following table provides a guideline for course offerings in General Education. Courses marked with an asterisk (*) have prerequisites (see course descriptions). Courses may be offered during semesters and locations in addition to those published and are subject to change.

ENGLISH

ENG102	College Composition I	*
ENG110	Writing Workshop	*
ENG122	Professional Communications	*
ENG200	Grammar for Writing	*
ENG201	College Composition II	*
ENG202	Meetinghouse Readings	*
ENG206	Creative Writing	*
ENG231	Reading Modern Poetry	*
ENG232	Reading Short Fiction	*
ENG235	Poetry Workshop	*
ENG236	Fiction Writing Workshop	*
ENG237	Advanced Poetry Workshop	*
ENG239	Advanced Fiction Writing Workshop	*
ENG240	American Literature To 1877	*
ENG241	American Literature: 1877 To Present	*
ENG249	Sarah Josepha Hale	*
ENG280	Nobel Laureates	*
ENG286	Children's Literature	*
ENG290	Creative Writing Capstone	*

HUMANITIES

HUM102	Art Appreciation	
HUM109	Intro to Philosophy	
HUM110	Humanities in Western Culture	
HUM140	Myth in US Culture	
HUM142	US History to 1877	
HUM143	US History: 1877 to Present	
HUM201	Making of the Modern World	*
HUM210	Filming the Vietnam War	
HUM245	Native People	*
HUM250	Searching for Leadership	

MATHEMATICS

MTH106	Statistics I	*
MTH107	Statistics II	*
MTH110	Functions & Modeling I	*
MTH112	Mathematical Investigations: Great Ideas in Mathematics	*

MTH114	Mathematics for the Environment	*
MTH115	Finite Mathematics	*
MTH120	Functions & Modeling II	*
MTH210	Calculus I	*
MTH211	Calculus II	*
MTH212	Multivariate Calculus	*
MTH215	Linear Algebra	*
MTH216	Math Language, Logic & Proof	*
MTH217	Probability and Statistics	*
MTH220	Elementary Differential Equations	*

SCIENCE

SC101	Biology : Chemical and Cellular Basis of Life	
SC102	Biology: Adaptation, Evolution and Ecosystems	
SC103	Human Biology	
SC105	Investigation in Natural Science	
SC111	Anatomy & Physiology Essentials	*
SC112	Topics in Human Biology	
SC115	Astronomy	
SC116	Field Botany	
SC117	Environmental Science	*
SC130	Physics I	*
SC131	Physics II	*
SC140	Chemistry I	*
SC141	Chemistry II	*
SC162	Nutrition: the Science of Sustenance	
SC201	Anatomy & Physiology I	*
SC202	Anatomy & Physiology II	*
SC205	Microbiology	*
SC210	Genetics	*
SC212	Topics in Biology	*
SC220	Biology Capstone	*
SC231	Physics I with Calculus	*
SC232	Physics II with Calculus	*

SOCIAL SCIENCE

ECOC102	Macroeconomics	
GEOC101	Intro to Geography	
HISC134	Topics in African History	
HISC224	Reading and Writing History	*
HISC255	Leadership: A Study of Presidential Leadership	*
POLC102	Survey of American Govt	
PSYC101	Introduction to Psychology	
PSYC114	Human Development	
PSYC200	Educational Psychology	*
PSYC210	Abnormal Psychology	*
PSYC211	Social Psychology	*
PSYC212	Forensic Psychology	*
SOCC101	Introduction to Sociology	
SOCC110	Cultural Anthropology	
SOCC201	Contemporary Social Problems	*

WORLD LANGUAGE

LNGC105	Spanish I	
LNGC106	Spanish II	*
LNGC120	Sign Language I	
LNGC121	Sign Language II	*
LNGC220	Sign Language III	*
LNGC221	Sign Language IV	*

Associate Degree Requirements

All Associate in Arts Degree programs will have a minimum of sixty-four (64) credits from the following distribution:

English Composition	3-4 credits*
English Electives	3-4 credits
Humanities/Fine Arts/World Language.....	9 credits
Mathematics.....	6-8 credits
Lab Science.....	8 credits
Social Science.....	9 credits
Liberal Arts Electives	15 credits
Open Electives**	9-12 credits

The Associate Arts in Liberal Arts Degree program with specialization will have a minimum of sixty-four (64 credits) from the following distribution:

English Composition	3-4 credits*
English Electives	3-4 credits
Humanities/Fine Arts/World Language.....	9 credits
Mathematics.....	6-8 credits
Lab Science.....	8 credits
Social Science.....	9 credits

Specialized area electives	20 credits
Liberal Arts or Open Electives**	2-5 credits

* Requirements for transfer students from other colleges or colleges within the CCSNH System can be met with a successfully completed 3-credit English Composition course

** May include computer literacy course or competencies within the open elective area

At the beginning of the Associate in Science Section

All Associate in Science Degree programs will have a minimum of sixty-four (64) credits from the following distribution:

English Composition and Literature or Communication	6 credits*
Social Science.....	3 credits
Mathematics.....	3-4 credits
Humanities/Fine Arts/World Language.....	3 credits
Liberal Arts Electives	6 credits – Minimum of two (2) courses and six (6) credits from categories 1-5
Program Specific Courses.....	32 credits

General Studies

Design Your Own Degree Major or Explore College Studies

The Associate of Science in General Studies degree program provides flexible programs that meet learners' needs:

- to pursue self-designed studies, including curricula that meet specific occupational and career goals
- to explore college-level learning.

The General Studies degree offers students 3 different ways to begin their college careers:

Option #1: Students can design Associate Degree majors in fields not covered by the college's standard programs and courses.

Option #2: Students can build Associate Degree majors around Certificate programs that do not already have a degree offering.

- All candidates requesting admission to option 1 & 2 must complete an admission interview with the program director.
- All candidates admitted to option #1 must take GSTC102 Program Design Portfolio during their first academic year at the college to design and plan the course of study.

Option #3: The 'Explorer Option' Students can experience a variety of college courses before deciding on an Associates Degree major. Students should work closely with an advisor to determine their program of study before completing 24 credits.

Required Courses

This Associate Degree requires 64 credits: 32 credits in a coherent major, and an additional 32 credits in General Education courses and open electives.

GSTC102	Program Portfolio Design (Option #1 only)	3 credits
ENG102	College Composition I.....	3 credits
ENGxxx	English Elective	3 credits
XXXXxxx	Humanities/Fine Arts/World Language Elective.....	3 credits
XXXXxxx	Social Science Elective.....	3 credits
SCICxxx	Science Elective.....	3/4 credits
MTHCxxx	Mathematics Elective.....	3/4 credits
XXXXxxx	General Education Electives.....	6 credits
XXXXxxx	Open Electives	6/8 credits
	Degree major courses.....	32 credits
		64 Credits

The following pages contain requirements for RVCC certificate, diploma and degree programs. Many include specific program of studies that are designed to provide sequential progression from foundational to advanced courses. These are provided to inform the student to plan accordingly. Taking courses out of the sequence that is provided may result in an extended timeline for the program.

Key for Program of Studies

CL – class hours, **LAB** – lab hours

These numbers represent the number of meeting hours each week if course is held during a full 15-week semester. Shortened or lengthened semesters will have weekly meeting hours adjusted accordingly.

CR – credits assigned to the course

Check current schedule for offerings not coded.

For information related to Technical/Essential Standards and Program Outcomes,
go to the College website, www.rivervalley.edu

Creative Writing

ASSOCIATE IN ARTS

The Associate in Arts Degree with a concentration in Creative Writing provides students intensely interested in writing with a pathway of transfer to four-year Creative Writing programs while offering them a writing background that allows for a variety of career opportunities in related fields. Students who participate in the program will work to create ambitious, powerful literature, and read and respond to challenging texts as an exposure to literary choices and construction. They will join a community of dedicated and serious writers who grapple with the universal questions of meaning through both shared and solitary exchanges, inquiry and investigation.

Built on a sequence of cohesive courses that stress the relationship between writing and reading, the program design is based upon the Association of Writers and Writing Programs (AWP) hallmarks of effective two-year creative writing programs, including a rigorous and diverse curriculum, accomplished faculty, support for students and administrative support. Students will end their degree program with a 3-credit Capstone course culminating in the development of a polished portfolio of writing, one of the key tools in a transfer application.

In addition, students are given the chance to share their writing with the college community through Visions Unlimited, the student literary magazine, and through regular student readings. A Visiting Writer Reading Series brings recognized writers to the school to read and conduct workshops.

Sample Course Load for the Associate in Arts in Creative Writing

ASSOCIATE DEGREE PROGRAM

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition I	3	0	3
XXXXxxx	Humanities/Fine Arts/World Language Elective.....	3	0	3
XXXXxxx	Social Science Elective	3	0	3
XXXXxxx	Humanities/Fine Arts/World Language Elective.....	4	0	4
SCICxxx	Lab Science Elective.....	3	1	4

SPRING SEMESTER

ENG206	Creative Writing#	3	0	3
ENG240	American Literature to 1877#.....	3	0	3
XXXXxxx	Social Science Elective	3	0	3
XXXXxxx	Humanities/Fine Arts/World Language Elective.....	3	0	3
MTHCxxx	Mathematic Elective	4	0	4

FALL SEMESTER

ENG236	Fiction Writing Workshop#	3	0	3
ENG232	Reading Short Fiction.....	3	0	3
ENG234	Creative Nonfiction Workshop	3	0	3
MTHCxxx	Mathematic Elective	4	0	4
XXXXxxx	Social Science Elective	3	0	3

SPRING SEMESTER

ENG235	Poetry Workshop#	3	0	3
ENG232	Reading Modern Poetry	3	0	3
ENG241	American Literature to 1877 to Present#.....	3	0	3
ENG280	Nobel Literature Laureates.....	3	0	3

OR

ENG237	Advanced Fiction Writing Workshop.....	3	0	3
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OR

ENG238	Advanced Poetry Writing Workshop.....	3	0	3
ENG290	Creative Writing Capstone#	3	0	3
SCICxxx	Lab Science Elective.....	3	1	4

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Liberal Arts

ASSOCIATE IN ARTS

This program offers the equivalent of the first two years in a four-year baccalaureate program. (It is recommended that students identify the college to which they plan to transfer as soon as possible.) A faculty advisor works with each student to design the program that best meets the student's future plans. Students selecting the Liberal Arts degree should be dedicated to a major in one of the Liberal Arts disciplines. The Associate in Arts Degree in Liberal Arts requires 64 credits of associate degree level coursework in not only a coherent and substantive balance of English, mathematics, the sciences, the arts and humanities, and the social sciences, but also a major consisting of a minimum of 32 credits in specialty courses. Initial design will be declared at entrance admission interview with program director; ongoing assessment and revision of the design will be encouraged.

Requirements of the four-year college for transferring students will guide some of their selections; the future plans and areas of interest for each student will also contribute to each student's program design.

Upon completion of the Liberal Arts program, students will have an academic platform sufficient to transfer into a bac-

calaureate degree program. The College has transfer agreements for Liberal Art students with Keene State College, New England College, Plymouth State University, Granite State College, and the University of New Hampshire. Associate in Arts graduates have also transferred to the University of Massachusetts, Franklin Pierce, Granite State College, the University of Maine, Lyndon State College, Yale University, Daniel Webster College, Colby Sawyer College, Mount Holyoke College, New England College, Lyndon State College, Castleton State College, Elms College, LeMoyne College, Antioch New England and Daniel Webster College.

Minimum Requirements for Associate of Arts Degree are 64 credits distributed as follows:

College Composition	3-4 credits
English Elective	3-4 credits
Humanities/Fine Arts/World Language	9 credits
Mathematics	6-8 credits
Lab Sciences	8 credits
Social Sciences	9 credits
Liberal Arts Electives	15 credits
Open Electives	9-12 credits
	<hr/>
	64 credits



Teacher Education

ASSOCIATE IN ARTS

The Associate in Arts Degree with a concentration in Teacher Education is designed to transfer to four-year colleges and universities. (www.nhtransfer.org)

Representative of the first two years in a bachelor degree in elementary, middle, or secondary teacher education, the program has been designed using the NH Department of Education Professional Preparation Programs model and an interdisciplinary curriculum approach. The degree requirements include three categories: 1) General Education; 2) education; and 3) a major concentration within the Liberal Arts.

The General Education component is a coherent and substantive balance in English and literature, science, mathematics, social science, and humanities/fine arts/world language. The Education courses are identified to transfer to a chosen four-year college. The Major in the Liberal Arts will provide an in-depth study in a particular discipline based on the chosen teaching field.

The Teacher Education program will include academic study and experiences to meet both our Associate in Arts Degree requirements and the first two years of Bachelor Degree requirements in Teacher Education. Students will be asked to complete an admission interview with the Program Director prior to admission to our program.

Articulation agreements are in place for students transferring the Teacher Education Associate in Arts degree to Granite State College, Keene State College, Plymouth State University and New England College. RVCC graduates have also successfully transferred to other area colleges. Transfer colleges require the completion of the Praxis Core Academic Skills for Educators (reading, writing and mathematics) with a qualifying score. Students must receive a grade of “C” or better for course transfer to be considered. Colleges may require a cumulative GPA of 2.5 to 3.0.

Applicants seeking admission to the Teacher Education Program who believe they may have difficulty with a state registry and criminal records check are advised to contact the New Hampshire Department of Education prior to matriculation. Please see the full Criminal Background Check Policy in the Academic Requirements section of this catalog and the Student Handbook.

The Teacher Education Program Outcomes, Technical/Essential Standards and other program information can be found on the College website (www.rivervalley.edu/academics/academic-programs/teacher-education) and in the program’s handbook.

All students will use the following framework of courses:

College Composition	3-4 Credits
English Elective	3-4 Credits
Humanities/Fine Arts/ World Language	9 Credits
Mathematics	6-8 Credits
Lab Science	8 Credits
Social Sciences	9 Credits
Electives in a Specialized Area (Teacher Education and Liberal Arts)	20 Credits
Open Electives	2-5 Credits
	<hr/> 64 Credits

ALTERNATIVE 4 CERTIFICATE FOR CAREER AND TECHNICAL EDUCATION

Alternative 4 is a certification process, overseen by the New Hampshire Department of Education, restricted to critical shortage areas, certain career and technical specialty areas and business administrators.

The Alternative 4 Certificate has been constructed according to the competencies articulated for teachers of a vocational specialty, a career and technical specialty, or a critical shortage area.

The Alternative 4 Certificate offers career changers and other qualified individuals an alternative pathway for attaining the competencies identified in a national model of Career and Technical Teacher Certification aligned with the New Hampshire Department of Education.

Comprised of eight courses for a total of twenty-four college credits, the Alternative 4 Certificate includes:

ED230	Essentials of Career and Technical Curriculum and Instruction
ED204 OR	Instructional Technology OR
BCPC101	Introduction to Computer Application
HSVC120	Learning and Behavior
PSYC200	Educational Psychology
TEC101	Foundations of Education
EDUC102	Growth and Development
EDUC105	Children with Special Needs and Their Families
ENG102	College Composition I

Prospective career and technical educator applicants will possess significant life/work experience or academic preparation in a career and technical content area. The Career and Technical Center Directors and School Districts will retain the authority to review the eligibility of all prospective career and technical educators on an individual basis.

Many Alternative 4 Certificate credits may also be utilized in an Associate Degree at any of the Community Colleges in our system as well as in transfer toward degrees at other colleges.

Accounting

(Day/Evening Program)

The accounting program provides intensive training in accounting principles and other related business courses.

It provides the student with a broad based education that will qualify him or her for an entry level position in accounting. Typical entry level positions include: accounts receivable or accounts payable clerks, junior accountants, account clerks, inventory controllers, and full-charge bookkeepers.

The program also provides the student with a strong background in computers. The computer related courses include Introduction to Computer Applications, Computerized Accounting, and Spreadsheets.

In addition to the specialized accounting and computer courses, the student will take other business courses including Introduction to Business, Business Law, and Principles of Management. The program includes a general education component that complements the business courses.

The combination of these three elements (accounting, computers, and related business courses) will give the student a well-rounded and solid business education.

The accounting program graduate will be prepared for a number of careers in the business world. The graduate could work in an accounting office of any business, hospital, manufacturing plant, bank, insurance company or in a public accountant's office as a junior accountant. Applicants to the Accounting Program must meet the general admission requirement of the College. The evening degree option will take more than 2 years to complete. Courses may be taken in Claremont, at the Academic Center in Keene and online.



ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition I#.....	3	0	3
MTHCxxx	Mathematics Elective#.....	4	0	4
ACCC101	Accounting I.....	3	0	3
BCPC101	Introduction to Computer Applications	2	3	3
BUSC101	Introduction to Business	3	0	3

SPRING SEMESTER

		CL	LAB	CR
SCICxxx	Science Elective	2/3	3	3/4
XXXXxxx	General Education Elective	3	0	3
ACCC102	Accounting II#.....	3	0	3
ACCC105	Spreadsheets#.....	2	3	3
ECOC102	Macroeconomics	3	0	3
BUSC105	Business Math.....	3	0	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
ENG122	Professional Communications#.....	3	0	3
ACCC203	Accounting III#.....	3	0	3
ACCC215	Cost Accounting#.....	3	0	3
ACCC216	Computerized Accounting#.....	2	4	3
ACCC204	Introduction to Finance#.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
XXXXxxx	Humanities/Fine Arts/World Language Elective.....	3	0	3
ENG1xxx	English Elective#.....	3	0	3
ACCC200	Intermediate Accounting#.....	3	0	3
ACCC212	Taxes.....	3	0	3
BUSC110	Principles of Management#.....	3	0	3
BUSC240	Business Law	3	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

The Accounting Program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP), 7007 College Boulevard, Suite 420, Overland Park, Kansas 66211; 913-339-9356, www.acbsp.org.

Additionally, as the program is fully accredited by ACBSP, transfers to bachelor's degree programs are available for those who seek to further their education.

Business Degree Program

The Business Degree program at River Valley Community College consists of concentrations in Business Management and Healthcare Management. Either choice will allow the student the opportunity to enter the workforce, or continue

their education and obtain a bachelor's degree or more. Both concentrations will provide the student a strong business background with an exposure to a wide variety of general education coursework.

Business Management Concentration

(Day/Evening Program)

Many people currently working in the field of business choose the Business Management concentration to expand their potential for growth in the business workforce.

Graduates of the program are also prepared to:

- Demonstrate knowledge of business practices including accounting, management, and marketing, and the applications of these topics in the business environment
- Think critically, articulate and explain various business topics and apply these concepts to solve common business programs.
- Communicate effectively using written, oral and nonverbal techniques, including the use of technology in the gathering and presentation of information.
- Demonstrate their knowledge of ethics and social responsibility, and how business integrates this into their ongoing operations.

Courses may be taken in Claremont, at the Academic Center in Keene and online.

Upon completion of the concentration, the students are prepared to pursue many different business careers in a variety of industries including manufacturing, marketing and sales distribution, and service organizations. Graduates can begin careers as management trainees or assistants in a broad array of industries including banking, insurance, manufacturing and investments. Also, students, should they so desire, can transfer to a bachelor's degree program on a full or part-time basis.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition 1#.....	3	0	3
MTHCxxx	Mathematics Elective#.....	4	0	4
ACCC101	Accounting I.....	3	0	3
BCPC101	Introduction to Computer Applications	2	3	3
BUSC101	Introduction to Business	3	0	3

SPRING SEMESTER

		CL	LAB	CR
SCICxxx	Science Elective.....	2/3	3	3/4
ECOC102	Macroeconomics	3	0	3
ACCC102	Accounting II#.....	3	0	3
ACCC105	Spreadsheets#.....	2	3	3
BUSC105	Business Math.....	3	0	3
BUSC110	Principles of Management#.....	3	0	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	Humanities/Fine Arts/World Language Elective..	3	0	3
ENG122	Professional Communications#.....	3	0	3
ACCC204	Introduction to Finance#.....	3	0	3
ACCC216	Computerized Accounting#.....	2	4	3
BUSC104	Principles of Marketing#.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective	3	0	3
ENGxxx	English Elective#	3	0	3
BUSC201	Human Resources Management#.....	3	0	3
BUSC204	Small Business Management#.....	3	0	3
BUSC240	Business Law	3	0	3
ACCCxxx	Taxes, Accounting III#, Cost Accounting# or Accounting for Non-Profits.....	3	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Business Degree Program

Health Care Management Concentration

The Health Care Management is offered as part of the Business Degree program. This program consists of 21 courses and the entire curriculum will be available online. However, for those students who prefer the classroom, many courses are also offered in Claremont or at the Academic Center in Keene. Student will develop the basic knowledge, skills and competencies required to work in medical facilities, disaster preparedness and response, pharmaceutical companies or in developing nations around the globe. For those students who wish to continue their education for a bachelor's degree and more, they will have completed the basic components required for these degrees.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER		CL	LAB	CR
ENG102	College Composition 1#	3	0	3
MTHCxxx	Mathematics Elective	4	0	4
ACCC101	Accounting I	3	0	3
BCPC101	Intro to Computer Applications	3	0	3
BUSC101	Intro to Business	3	0	3

SPRING SEMESTER

SCIC111	Anatomy & Physiology Essentials	4	0	4
ECOC102	Macroeconomics	3	0	3
ACCC102	Accounting II	3	0	3
ACCC105	Spreadsheets	3	0	3
BUSC240	Business Law	3	0	3
BUSC110	Principles of Management	3	0	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	Humanities/FineArts/World Lang	3	0	3
ENG122	Professional Communications	3	0	3
ACCC106	Accounting for Healthcare	3	0	3
ACCC204	Introduction to Finance#	3	0	3
ALHC102	Medical Terminology	3	0	3

SPRING SEMESTER

XXXXxxx	General Education Elective	3	0	3
ENGxxx	English Elective	3	0	3
BUSC201	Human Resource Management#	3	0	3
BUSC202	Healthcare Management#	3	0	3
ALHC106	Legal & Ethical Issue in Healthcare	3	0	3

Accounting and Business Certificates

(Day/Evening Program)

The Accounting Certificate programs will provide the student with the basic accounting skills required by the student for an entry level position in the accounting field or to improve the existing accounting skills of those individuals who seek promotional opportunities with their current employer. The program will also provide the student with a basic background in computers. Applicants to the Certificate Programs must meet the general admission requirements of the College. Graduates may transfer most credits into the Accounting Degree Program. Courses may also be taken at the Academic Center in Keene or online.

Accounting

FALL SEMESTER		CL	LAB	CR
BUSC106	Keyboarding	0	3	1
ACCC101	Accounting I	3	0	3
BCPC101	Introduction to Computer Applications	2	3	3
BUSC105	Business Math	3	0	3

SPRING SEMESTER		CL	LAB	CR
ACCC102	Accounting II#	3	0	3
ACCC105	Spreadsheets#	2	3	3
ACCC216	Computerized Accounting#	2	4	3
BCPC104	Word Processing#	2	3	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Advanced Accounting

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ACCC101	Accounting I	3	0	3
BCPC101	Introduction to Computer Applications	2	3	3
BUSC105	Business Math	3	0	3

SPRING SEMESTER

		CL	LAB	CR
ACCC102	Accounting II#	3	0	3
ACCC105	Spreadsheets#	2	3	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
*ACCC203	Accounting III#	3	0	3
*ACCC215	Cost Accounting#	3	0	3
ACCC204	Introduction to Finance#	3	0	3

SPRING SEMESTER

		CL	LAB	CR
**ACCC200	Intermediate Accounting#	3	0	3
**ACCC212	Taxes	3	0	3
ACCC216	Computerized Accounting#	2	4	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

* When Cost Accounting is in Claremont, Accounting III is in Keene and vice versa

** When Taxes is in Claremont, Intermediate Accounting is in Keene and vice versa

Accounting and Business Certificates

Business Management Certificate

(Evening Program)

The Business Management Certificate Program has been designed to provide the student with a solid business background. The program offers accounting, marketing, management and computer courses which give the management student valuable skills in this growing field. Graduates are prepared for entry-level positions in wholesaling, retailing, sales, banking and insurance. Applicants to the Business Management Certificate Program must meet the general admission requirements of the College. Graduates may transfer credits into the Accounting or Business Management Degree Program; in addition to Claremont, courses may be taken at the Academic Center in Keene or online.

REQUIRED COURSES

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ACCC101	Accounting I.....	3	0	3
BCPC101	Introduction to Computer Applications	2	3	3
BUSC101	Introduction to Business	3	0	3

SPRING SEMESTER

		CL	LAB	CR
ACCC102	Accounting II#.....	3	0	3
BUSC110	Principles of Management#	3	0	3
ACCC216	Computerized Accounting#	2	4	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
BUSC104	Principles of Marketing#	3	0	3
*ACCCxxx	Taxes, Accounting III, Cost Accounting or Accounting for Non Profits#.....	3	0	3
BUSC240	Business Law	3	0	3

SPRING SEMESTER

		CL	LAB	CR
BUSC201	Human Resources Management#.....	3	0	3
BUSC204	Small Business Management#	3	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

* Alternate between Claremont and Keene

Sales Management Certificate

The Sales Management Certificate is designed to prepare students for an entry level position in the sales field. It is structured to provide the student with a general business and sales background in the fundamental areas of business management, business computer applications, communications and critical thinking. Applicants to the Sales Management Certificate Program must meet the general admission requirements of the College.



		CL	LAB	CR
BUSC101	Introduction to Business	3	0	3
BCPC101	Introduction to Computer Applications	2	3	3
BUSC102	Business Correspondence	3	0	3
ACCC103	Fundamentals of Accounting	3	0	3
BUSCxxx	Introduction to Sales#.....	3	0	3
BUSCxxx	Critical Thinking/Conflict Resolution#	3	0	3
BUSC110*	Principles of Management#			

OR

BUSCxxx*	Internship#	3	0	3
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* Students can take either Management or Intern with PC Connection, depending on status.

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Computer Technology

Networking Option

(Day/Evening Program)

The Networking Option of the Computer Technology program is both comprehensive and flexible, providing students with several career options and paths in the computer science field. The curriculum introduces students to networking systems while integrating these courses with a relevant core of general education electives.

Graduates who successfully complete the program will be awarded an Associate Degree in Computer Technology and can enter the workforce prepared for such jobs as PC support specialist, help desk technician, network and server administrators, or they can choose to further their education by transferring credits to baccalaureate programs in Applied Computer Science or Computer Science. Students who choose to continue on to four-year institutions are encouraged to select the higher-level mathematics (math at the level of Precalculus is preferred). All applicants to the program must satisfy the general requirements for admission to the College, possess high school or college credits in English, mathematics, two lab sciences and interview with Program Director. The evening degree option will take more than two years to complete.

Students must earn a grade of C or higher in all required CPTC courses to progress within the program and graduate.

Students who are unable to pass a criminal background check may find it difficult to obtain or stay employed in the Computer Technology industry. These students are advised to seek an alternate education program. Students will be required to sign a program code of conduct that has a zero tolerance policy. Violation of the code of conduct will be grounds for removal from the program.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENGC102	College Composition I#.....	3	0	3
MTHC110	Functions & Modeling I#.....	4	0	4
CPTC186	Introduction to Operating Systems.....	2	2	3
CPTC101	PC Assembly/Soft Skills.....	2	2	3
CPTC110	Networking I.....	2	2	3
CPTC109	IT Ethics.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
ENGCxxx	English Elective.....	3	0	3
MTHC106	Statistics#.....	4	0	4
CPTC175	Introduction to C++#.....	2	2	3
CPTC106	Communication Infrastructure.....	2	2	3
CPTC120	Networking II#.....	2	2	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective.....	3	0	3
SCICxxx	Science Elective.....	3	3	4
CPTC203	Introduction to Unix#.....	2	2	3
CPTC204	Administering Windows Servers#.....	2	2	3
CPTC235	Networking III#.....	2	2	3

SPRING SEMESTER

		CL	LAB	CR
SOCCxxx	Social Science Elective.....	3	0	3
HUMCxxx	Humanities/Fine Arts/World Language.....	3	0	3
CPTC212	Computer Network Security#.....	2	2	3
CPTC240	Networking IV#.....	2	2	3
CPTC296	Computer Technology Capstone#.....	0	0	3
CPTC220	Storage Networks and Virtualization#.....	2	2	3

We also offer a certificate in Computer Networking that explores the integration of hardware and software in computer technology; networking. Students who complete the course of study will gain practical skills in the development, installation, service, support and administration of computer networks operating systems.

The major focus is to give individuals up-to-date technical skills they can immediately apply in career employment and /or advancement. It can also provide a basis for further academic study. Individuals who complete the program may find employment as computer help desk or service technicians, network support or computer systems specialist, or customer support representatives. Students may also transfer credits into the Associate Degree Computer Technology Program.

CERTIFICATE

		CL	LAB	CR
CPTC101	PC Assembly/Soft Skills.....	2	2	3
CPTC109	IT Ethics.....	3	0	3
CPTC110	Networking I.....	2	2	3
CPTC120	Networking II#.....	2	2	3
CPTC235	Networking III#.....	2	2	3
CPTC240	Networking IV#.....	2	2	3
CPTC212	Computer Network Security#.....	2	2	3
CPTC204	Administering Windows Servers#.....	2	2	3
CPTC203	Intro to Unix#.....	2	2	3
CPTC175	Introduction to C++#.....	2	2	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Computer Technology

Web Site Design Option

(Day/Evening Program)

The Web Site Design Option of the Computer Technology Degree Program is both comprehensive and flexible, providing students with several career options and paths in the computer science field. The curriculum introduces students to Internet and Web Site Design as well as programming while integrating these courses with a relevant core of general education electives.

Graduates who successfully complete the program will be awarded an Associates Degree in Computer Technology and can enter the workforce prepared for such jobs as Web Site Designer, Internet/Intranet support staff, and programmer, or they can choose to further their education by transferring credits to baccalaureate programs in Applied Computer Science or Computer Science. Students who choose to continue on to four-year institutions are encouraged to select the higher-level mathematics. All applicants to the program must satisfy the general requirements for admission to the College, possess high school or college credits in English, mathematics and two lab sciences and interview with Program Director. The evening degree option will take more than two years to complete.

Students must earn a grade of C or higher in all CPTC courses required for graduation to progress within the program and graduate.

Students who are unable to pass a criminal background check may find it difficult to obtain or stay employed in the Computer Technology industry. These students are advised to seek an alternate education program. Students will be required to sign a program code of conduct that has a zero tolerance policy. Violation of the code of conduct will be grounds for removal from the program.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective	3	0	3
ENG102	College Composition I#	3	0	3
CPTC125	Application Programming#	2	2	3
CPTC101	PC Assembly/Soft Skills	2	2	3
CPTC203	Intro to Unix#	2	2	3
CPTC109	IT Ethics	3	0	3

SPRING SEMESTER

		CL	LAB	CR
ENG102	English Elective	3	0	3
MTHC120	Functions & Modeling II#	4	0	4
CPTC175	Introduction to C++#	2	2	3
CPTC103	Web Site Design#	2	2	3
CPTC150	Data Structures and Algorithms#	2	2	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
MTHC210	Calculus 1#	4	0	4
SCICxxx	Science Elective	3	3	4
CPTC185	Introduction to Java#	2	2	3
CPTC213	Computer Graphics	2	2	3
CPTC197	Relational Database Design with SQL#	2	2	3

SPRING SEMESTER

		CL	LAB	CR
SOCCxxx	Social Science Elective	3	0	3
HUMCxxx	Humanities/Fine Arts/World Language	3	0	3
CPTC217	Web Database Programming#	2	2	3
CPTC214	Web Animation- Adobe II#	2	2	3
CPTC223	Advanced Programming Seminar#	2	2	3

The Web Site Design Certificate program is designed to teach the fundamental information needed to develop and maintain a Web Site. Common Web development tools including HTML, graphics and multimedia are introduced as well as use of Web servers and browsers. Unix and its use and impact on the Internet will also be covered. Students may also transfer credits into the Associate Degree Computer Technology Program.

CERTIFICATE

		CL	LAB	CR
CPTC103	Web Site Design#	2	2	3
CPTC185	Introduction to Java#	2	2	3
CPTC197	Relational Database Design with SQL#	2	2	3
CPTC203	Intro to Unix#	2	2	3
CPTC217	Web Database Programming#	2	2	3
CPTC213	Computer Graphics - Adobe I	2	2	3
CPTC214	Web Animation - Adobe II	2	2	3
CPTC109	IT Ethics	3	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.



Cybersecurity and Healthcare IT

Computer Technology

The Cybersecurity and Healthcare IT program meets the need for healthcare providers and associated businesses to be confident that every aspect of their operation is electronically secure. As the functions of health care, including scheduling, storage of images, filling prescriptions, billing and more are handled and stored using information technology, the need to build electronic and data transfer systems to support these functions, and to protect the information, has dramatically increased. With this shift, the vulnerability of healthcare records has also increased through errors, acts of negligence and malice. The workforce responsible for this electronic information must be skilled in assuring confidentiality, integrity and availability of IT systems and networks. This unique program focuses on the integration of the technology with the needs of healthcare.

Cybersecurity is the practice of protecting computer systems against unauthorized access or attack and maintaining the smooth functioning of information systems at all levels. At present, programs that provide such Cybersecurity training are not widely available, and the concentration on healthcare is a unique aspect of this program.

Applicants to Cybersecurity and Healthcare IT must meet the general admission requirements to the College and interview with Program Director. It is expected that applicants already have a basic knowledge of computer hardware and software. Applicants who do not possess this knowledge may be required to take additional courses to meet this need.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENGC102	College Composition	3	0	3
MTHC106	Statistics#	4	0	4
CYSC101	Principles of Information Assurance#	2	2	3
CYSC110	Topics in Healthcare Information Technology..	2	2	3
CYSC120	Network Security#	2	2	3
CPTC197	Relational Database w/SQL#	2	2	3

SPRING SEMESTER

		CL	LAB	CR
ENGCxxx	English Elective	3	0	3
HUMCxxx	Humanities/Fine Arts/World Language	3	0	3
CYSC130	Enterprise Security Management#	2	2	3
CYSC140	Secure Electronic Commerce#	2	2	3
CYSC125	Fundamentals of Computer Networking	2	2	3
CPTC175	Introduction to C++#	2	2	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective	3	0	3
CPTC109	IT Ethics	3	0	3
CPTC185	Intro to Java#	2	2	3
CPTC203	Intro to Unix#	2	2	3
CPTC204	Administering Windows Servers#	2	2	3
CYSC250	Digital Forensics #	2	2	3

SPRING SEMESTER

		CL	LAB	CR
SOCCxxx	Social Science Elective	3	0	3
SCICxxx	Science Elective	3	1	4
XXXXxxx	General Education Elective	3	0	3
CYSC200	EMRS/IACAP#	2	2	3
CPTC296	Computer Technology Capstone#	0	0	3

The certificate program provides a stepping stone for graduates who can incorporate the certificate, through transfer of credits, into other two-year associate degree programs in computer science.

CERTIFICATE

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
CYSC101	Principles of Information Assurance#	2	2	3
CYSC110	Topics in Healthcare Information Technology .	3	0	3
CYSC120	Network Security#	2	2	3

SPRING SEMESTER

		CL	LAB	CR
CYSC130	Enterprise Security Management#	2	2	3
CYSC140	Secure Electronic Commerce#	2	2	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
CYSC150	Digital Forensics#	2	2	3
CPTC109	IT Ethics	3	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Students must earn a grade of "C" or higher in all CYSC/CPTC courses required for graduation to progress within the program and graduate.

Students will be required to become a member of Infragard as a prerequisite for the Digital Forensics course. Students with known criminal background or legal actions may not be able to become a member of Infragard and may be denied enrollment and/or progression in the program. These students are advised to seek an alternate education program. Students will be required to sign a program code of conduct that has a zero tolerance policy. Violation of the code of conduct will be grounds for removal from the program. Students who are unable to pass a criminal background check may find it difficult to obtain or stay employed in the Cybersecurity industry.

Criminal Justice

(Day/Evening Program)

The Criminal Justice degree is designed to prepare students for careers in police work, corrections and the courts, in addition to serving as the basis to transfer on to complete a baccalaureate degree. For those already in service the program provides educational progress for promotion and other career development purposes.

Applicants to the Criminal Justice Program must meet the general admission requirements to the College. Criminal Justice classes are offered in the classroom and online. General education requirements may be taken online or in the traditional classroom.

Health Considerations

Applicants should be aware of the basic health and fitness requirements for many careers in the criminal justice field. Prospective students with special needs or limitations that may affect their internship placement and/or potential employability are encouraged to discuss their career goals during the interview with department member prior to admission.

The College must ensure that the general public at internship and service learning sites are not adversely affected by students during learning experiences. Therefore, students participating in internship and field experiences must demonstrate the emotional stability required to exercise sound judgment, accept direction and guidance from a supervisor or faculty member and establish rapport and maintain sensitive interpersonal relationships with employees, the general public and agency clients.

Character Expectations

Applicants should be aware that background checks are completed by potential employers prior to obtaining any position with arrest or detention powers, and typically, even before being accepted for an internship. Applicants who have been in difficulty with the law may not be employable, or even eligible for an internship. Because future goals may be compromised, applicants are advised to discuss any concerns with the program director.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER		CL	LAB	CR
ENG102	College Composition I#.....	3	0	3
PSYC101	Introduction to Psychology	3	0	3
BCPC101	Intro to Computer Applications.....	2	3	3
CRJC101	Introduction to Criminal Justice.....	3	0	3
CRJC212	Criminal Justice Communication#.....	3	0	3
CRJC111	Criminal Law.....	3	0	3

SPRING SEMESTER		CL	LAB	CR
ENGxxx	English Elective	3	0	3
SOCC101	Introduction to Sociology	3	0	3
CRJC102	Criminal Procedure.....	3	0	3
CRJC112	Juvenile Justice Administration	3	0	3
CRJC210	Drugs and the Law	3	0	3

SECOND YEAR

FALL SEMESTER		CL	LAB	CR
SOCC201	Contemporary Social Problems#	3	0	3
SCIC105	Science Elective	3	3	4
CRJC201	Criminology	3	0	3
CRJC204	Crisis Intervention in Criminal Justice#.....	3	0	3

SPRING SEMESTER		CL	LAB	CR
MTHCxxx	Mathematics Electives#	4	0	4
HUMCxxx	Humanities/Fine Arts/World Language Elective ..	3	0	3
CRJC205	Forensic & Scientific Aspects of Evidence	3	0	3
OR				
PSYC212	Forensic Psychology#.....	3	0	3
CRJC211	Justice and the Community	3	0	3
CRJC290*	Criminal Justice Internship#.....	0	0	3
OR				
CRJC291*	Senior Project.....	3	0	3
XXXxxx	Free Elective	3	0	3

* Students must take either CRJC290 ,CRJC291 or CRJC209. Please see advisor prior to registration

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Early Childhood Education

(Day/Evening Program)

A career working with young children offers the opportunity to influence young lives as they grow and develop. Students are prepared to be competent early childhood professionals who can provide a nurturing environment with a strong understanding of the ways in which young children grow and learn. Students learn to provide care and education that is developmentally appropriate. The Early Childhood Education Program focuses on young children, birth through age 8 years, and their families.

The Early Childhood Education Program combines theory and practical experience. The curriculum uses standards for professional preparation as outlined by the National Association for the Education of Young Children (NAEYC). (Additional information about these standards is available at www.naeyc.org, NAEYC's web site. Programmatic learning objectives are available on the Early Childhood Education program pages on the College's web site and in the program's student handbook.) Graduates are prepared for immediate entry into the field. Alumni of the program are employed in a variety of settings, including, but not limited to, the following: child care centers, Head Start programs, laboratory schools, parent cooperatives, and after-school programs.

In addition, graduates of the program are prepared for continued study beyond the associate degree. More information on transfer options and articulation agreements is available through the program director.

The applicant for the Early Childhood Education Program should meet the general requirements for admission to the College. In addition, the applicant should possess strong interpersonal communication skills. This program may take longer than 2 years to complete. Courses may be taken at the Keene Academic Center. The Early Childhood Education Level I and Level II Certificates may be combined with other programs at the College for a dual degree option.

Practicum I and Practicum II placements are arranged by the Program Director. Students are required to have professional liability insurance during these placements. Student plans may be purchased through the College. In addition, most practicum sites will require a state registry and criminal records check and written records of physical examination. Students are responsible for providing the practicum site with appropriate documentation and for all associated fees. Students are also responsible for completing any required orientation meetings and activities prior to the beginning of their practicum hours. Students must provide their own transportation to and from the practicum site.

Please see the full Criminal Background Check Policy in the Admissions section of this catalog and the Student Handbook.

Applicants seeking admission to the Early Childhood Education Program who believe they may have difficulty with a state registry and criminal records check are advised to contact the New Hampshire Bureau of Child Care Licensing (1-800-852-3345) prior to matriculation.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition I#.....	3	0	3
SCICxxx	Science Elective.....	3/4	0	3/4
EDUC101	Foundations of Early Childhood Education	3	0	3
EDUC102	The Growth & Development of the Young Child.....	3	0	3
HSVC120	Learning and Behavior	3	0	3

SPRING SEMESTER

		CL	LAB	CR
MTHCxxx	Mathematics Elective#.....	3/4	0	3/4
PSYC101	Introduction to Psychology	3	0	3
XXXXxxx	General Education Elective	3	0	3
EDUC103	Health, Safety & Nutrition for the Young Child.....	3	0	3
EDUC104	Curriculum for Early Childhood Care & Education#.....	3	0	3
EDUC105	Children with Special Needs and Their Families#	3	0	3

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective	3	0	3
HUMC110	The Humanities in Western Culture	3	0	3
EDUC203	Early Language & Literacy Development#.....	3	0	3
EDUC190	Practicum I#.....	1	0	3
OR				
EDUC191	Work Experience Practicum I#	1	0	3
HSVC123	Supportive Communication Skills.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
XXXXxxx	Open Elective	3	0	3
ENG286	Children's Literature#.....	3	0	3
EDUC200	Developmentally Appropriate Programs For Infants and Toddlers#	3	0	3
OR				
EDUC206	Developmentally Appropriate Programs for the School Age Child	3	0	3
EDUC201	Organization & Management in Early Childhood Education	3	0	3
EDUC220	Practicum Seminar#.....	2	0	2
EDUC290	Practicum II#.....	0	0	3
OR				
EDUC291	Work Experience Practicum II#	0	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Early Childhood Education

LEVEL I CERTIFICATE PROGRAM

(Day/Evening Program)

FALL SEMESTER

		CL	LAB	CR
EDUC101	Foundations of Early Childhood Education	3	0	3
EDUC102	The Growth & Development of the Young Child.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
EDUC103	Health, Safety and Nutrition for the Young Child.....	3	0	3
EDUC104	Curriculum for Early Childhood Care and Education#.....	3	0	3

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

LEVEL II CERTIFICATE PROGRAM

(Day/Evening Program)

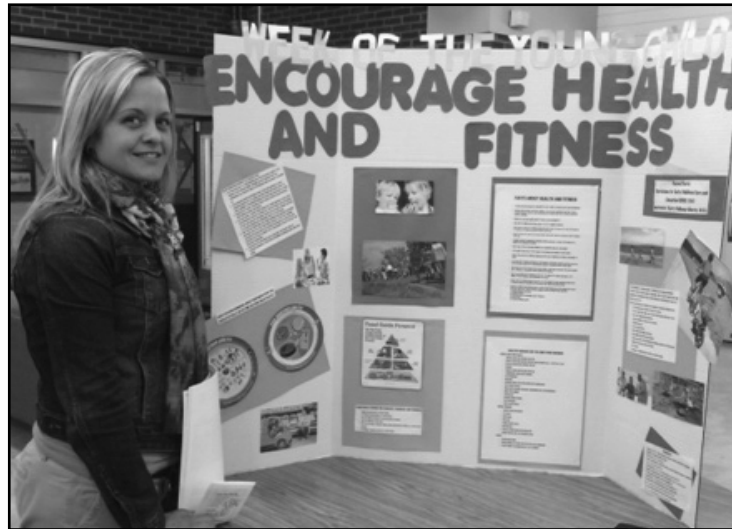
FALL SEMESTER

		CL	LAB	CR
EDUC101	Foundations of Early Childhood Education	3	0	3
EDUC102	The Growth & Development of the Young Child.....	3	0	3
HSVC120	Learning and Behavior	3	0	3
PSYC101	Introduction to Psychology	3	0	3

SPRING SEMESTER

		CL	LAB	CR
EDUC103	Health, Safety and Nutrition for the Young Child.....	3	0	3
EDUC104	Curriculum for Early Childhood Care and Education#.....	3	0	3
EDUC105	Children with Special Needs and Their Families#	3	0	3
EDUC190	Practicum I#.....	0	0	3

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.



Family Child Care Provider

(Day/Evening/Online)

The Family Child Care Provider Certificate is designed specifically for those individuals interested in, or who are already operating a family child care business. The goal of the certificate is to promote increased access for family child care providers to relevant credit-bearing college level education that will lead to improved quality in home child care.

Students interested in the Family Child Care Provider Certificate are encouraged to contact the Early Childhood Education Program Director early on to discuss their interest and plan their schedule.

CERTIFICATE PROGRAM

FALL SEMESTER

		CL	LAB	CR
EDUC102	The Growth & Development of the Young Child.....	3	0	3
EDUC130	Family Child Care Business Management.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
EDUC103	Health, Safety & Nutrition for the Young Child.....	3	0	3
EDUC124	Family Child Care Curriculum and Environment#.....	3	0	3

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Human Services

(Day/Evening Program)

The Associate of Science Degree program in Human Services prepares students to work with individuals who are consumers of the human services delivery system, providing them with direct services and linking them with other community services and resources. Graduates of the Human Services program may be employed in a variety of agencies, which provide supports to individuals and families across the life span. That work may be in the field of developmental disabilities, behavioral health, elderly or children and families at risk.

Some human services positions require education beyond an associate degree. This program has articulation agreements with Granite State College, Franklin Pierce University, New England College, Rivier College and Springfield College School of Human Services. Graduates have also successfully transferred to other area colleges.

The College offers Certificate programs in Human Services or Early Intervention/Family Support Assistant, providing students with the major courses required for beginning level positions, as well as providing them with an entry point for the continuation of studies. All Certificate courses have been incorporated into the Human Services Degree Program.

The Human Services Program Outcomes, Technical/Essential Standards and other program information can be found on the College's website (www.rivervalley.edu/academics/academic-programs/human-services) and in the program's handbook.

Many of the programs offered at River Valley Community College may be combined with the Human Services Program for a dual degree option.

The applicant for the Human Services Program should meet the general requirements for admission to the College. A Criminal Background Check is the responsibility of students and may be required for fieldwork and/or employment upon request of an agency. See the full Criminal Background Check Policy in the Admissions section of this catalog. Students are required to have liability insurance prior to being placed for fieldwork. Transportation to all fieldwork assignments is the responsibility of the student.

ASSOCIATE DEGREE IN HUMAN SERVICES

TRACK I: GENERALIST

FIRST YEAR

FALL SEMESTER

	CL	LAB	CR
ENG102 College Composition I#.....	3	0	3
HSVC110 Introduction to Human Services	3	0	3
HSVC120 Learning and Behavior	3	0	3
HSVC123 Supportive Communication Skills.....	3	0	3
PSYC114 Human Development.....	3	0	3

SPRING SEMESTER

	CL	LAB	CR
HSVC125 Individual Assessment and Planning#.....	3	0	3
HSVC126 Issues in Mental Health and Developmental Disabilities#.....	3	0	3
MTHCXXX Mathematics Elective#.....	3/4	0	3/4
PSYC101 Introduction to Psychology	3	0	3
Program Elective	3	0	3

FALL SEMESTER

	CL	LAB	CR
ENGXXX English Elective.....	3	0	3
HSVC190 Fieldwork I for Human Services#.....	1	0	3
HUMC110 Humanities in Western Culture.....	3	0	3
SCICXXX Science Elective.....	3/4	0	3/4
SOC101 Introduction to Sociology	3	0	3
Program Elective	3	0	3

SPRING SEMESTER

	CL	LAB	CR
XXXXxxx General Education Elective.....	3/4	0	3/4
HSVC290 Fieldwork II for Human Services#.....	1	0	3
Program Elective	3	0	3
Program Elective	3	0	3
Open Elective	3	0	3

Human Services Program Electives

12 credits chosen from the following are to be determined with advisement from the Program Director. On an individual basis transfer students will have their transcripts reviewed and courses transferred for electives as appropriate, which may be in addition to electives listed below.

	CL	LAB	CR
*AHL135 Activities of Daily Living.....	2	3	3
CRJC101 Introduction to Criminal Justice	3	0	3
CRJC112 Juvenile Justice Administration	3	0	3
CRJC204 Crisis Intervention in Criminal Justice	3	0	3
EDUC105 Children with Special Needs and Their Families.....	3	0	3
HSVC210 Ethical Issues in Human Services	3	0	3
HSVC215 Issues of Children and Families	3	0	3
HSVC291 Fieldwork III for Human Services	1	0	3
LNGC120 Sign Language I	3	0	3
*NURC101 Skill Training for Nursing Assistants.....	3	6	5
PSYC210 Abnormal Psychology.....	3	0	3
SOC201 Contemporary Social Problems	3	0	3

* Must be matriculated in professional program or receive written permission from the Program Director or Instructor to register for these courses.

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Human Services

TRACK II: EARLY INTERVENTION/FAMILY SUPPORT

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition I#.....	3	0	3
HSVC110	Introduction to Human Services	3	0	3
HSVC120	Learning and Behavior	3	0	3
HSVC123	Supportive Communication Skills.....	3	0	3
PSYC114	Human Development.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
EDUC103	Health, Safety & Nutrition for the Young Child .	3	0	3
HSVC125	Individual Assessment and Planning#.....	3	0	3
HSVC126	Issues in Mental Health and Developmental Disabilities#	3	0	3
MTHCXXX	Mathematics Elective#	4	0	4
PSYC101	Introduction to Psychology	3	0	3

FALL SEMESTER

		CL	LAB	CR
HUMC110	Humanities in Western Culture.....	3	0	3
SCICxxx	Science Elective	3	3	4
SOC101	Introduction to Sociology	3	0	3
HSVC101	Introduction to Early Intervention/Family Support	3	0	3
HSVC190	Fieldwork I for Human Services#	1	0	3
XXXXxxx	General Education Elective	3/4	0	3/4

SPRING SEMESTER

		CL	LAB	CR
EDUC105	Children with Special Needs and Their Families.	3	0	3
ENG286	Children's Literature	3	0	3
HSVC140	Fieldwork for Early Intervention/Family Support#.	1	0	3
HSVC215	Issues of Children and Families#	3	0	3
Open Elective		3	0	3

HUMAN SERVICES - CERTIFICATE

FALL SEMESTER

		CL	LAB	CR
HSVC110	Introduction to Human Services	3	0	3
HSVC120	Learning and Behavior	3	0	3
HSVC123	Supportive Communication Skills.....	3	0	3
PSYC114	Human Development.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
HSVC125	Individual Assessment and Planning#.....	3	0	3
HSVC126	Issues in Mental Health and Developmental Disabilities#	3	0	3
HSVC190	Fieldwork I for Human Services#	1	0	3
HSVC290	Fieldwork II for Human Services#	1	0	3

EARLY INTERVENTION/FAMILY SUPPORT ASSISTANT - CERTIFICATE

FALL SEMESTER

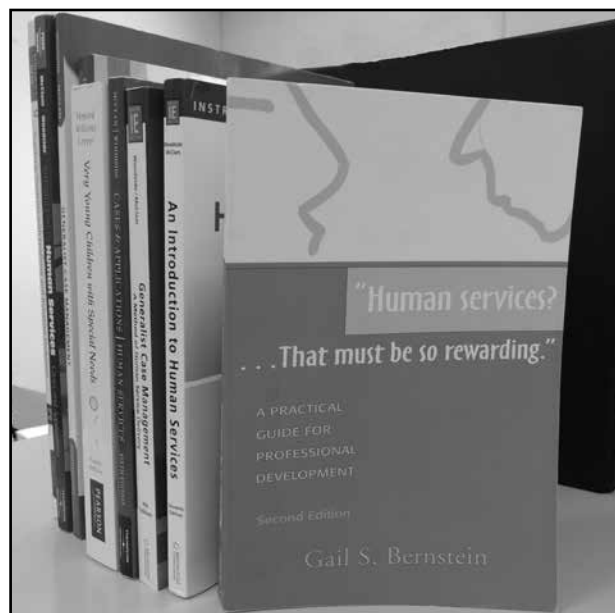
		CL	LAB	CR
HSVC101	Introduction to Early Intervention/ Family Support	3	0	3
HSVC123	Supportive Communication Skills.....	3	0	3
PSYC114	Human Development.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
EDUC105	Children with Special Needs and Their Families.....	3	0	3
HSVC140	Fieldwork for Early Intervention/ Family Support#	1	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.



Massage Therapy

(Afternoon/Evening Program)

Massage Therapy: Healing Hands with Heart

The Massage Therapy Certificate program prepares graduates for rewarding careers as licensed massage therapists in private practice, hospitals, chiropractic offices, wellness centers, cruise ships, spas, resorts and fitness centers. The program, which can be completed in as little as 15 months or at your own pace, prepares students to enter the field with a broad background and the ability to work with a diverse group of clients and health care providers.

Massage Therapists are in demand! According to a US Department of Labor estimate*, employment for massage therapist is increasing much faster than average for all occupations. In addition, it was reported that the average annual income for a massage therapist in 2010 (including tips and a 15 hour work week) was \$31,980.

**<http://www.bls.gov/ooh/healthcare/massage-therapists.htm>*



Our mission is to develop and advance the art, client and practice of massage therapy in a caring, professional and ethical manner.

Admission Requirements:

1. Meet the college requirements of admissions.
2. Complete the admission forms.
3. Request transcripts from high school and/or college by directly sent to RVCC.
4. Schedule an interview with the Massage Therapy Program Director. (sprasch@ccsnh.edu)
5. Take the Accuplacer test. (Minimum score of 70 in Reading Comprehension is required to register for Anatomy and Physiology Essentials)
6. File for financial aid if applicable at: <https://fafsa.ed.gov/>

Program Start Dates: September or January. Summer is not an official start date, but some students choose to get a head start with courses prior to a fall start.

Curriculum Flexibility: The Massage Therapy Program can be completed in as little as 15 months, or at your own pace. Each student meets with the program director to design a schedule to meet their needs.

Internship experience for real world learning: In the final semester of the program, the student meets with the program director to choose an internship site that aligns with future career goals. Under the supervision of a Licensed Massage Therapist, Chiropractor, Physical Therapist, Physician or other health care provider, the student gains valuable real world experience. (see page XXX to see a list of current internship sites)

Learning Expectation: Knowledge translates to success. Therefore, a minimum grade of "C" on a 7 point scale (C=77) is required to progress within the massage therapy program and to graduate.

Associate Degree and Dual Degree options:

There are several options for students to complete additional coursework to earn an Associate Degree along with the Massage Therapy Certificate. Some options include: General Studies, Liberal Arts, or dual majors with Occupation Therapy Assistant or Physical Therapy Assistant program.

Additional Information

Upon completion of the program, the student is responsible for completing First Aid and CPR certification and completing the application for the a National Exam of their choice and New Hampshire Massage Therapy License.

Massage Therapy

Testimonials

"As a Lead Therapist and Spa Manager, I have the opportunity to interview and hire many Massage Therapists. I am impressed with Massage Therapist that graduate from the River Valley Community College. In a recent endeavor, all the therapist I hired were RVCC graduates. I hired them because they are knowledgeable, talented, caring and poised. The RVCC Massage Therapy program is turning out some fine therapists!"

~ Michelle D., European Face and Body Studio, Hanover, NH

"Every day I tell myself and anyone who asks how much I love my job - every minute of it! I always thought I would "like" it, but I had no idea how much I would look forward to meeting each and every client no matter where I am working. People ask why do I drive so far for just one massage sometimes, but I just tell them that you never know when you are going to make a difference in someone's life. Or when someone is going to change mine! It happens every day."

~ Chuck L., LMT, RVCC graduate



Our teachers are educators as well as practicing massage therapists, creating a powerful learning experience that produces Licensed Massage Therapists of the highest caliber.

CERTIFICATE PROGRAM

You will work with the program director design your learning experience

SAMPLE FIRST SEMESTER

		CL	LAB	CR
MSTC101	Basic Massage Theory and Application#.....	2	3	3
*SCIC111	Anatomy and Physiology Essentials#.....	4	0	4
MSTC141	Oriental Theory.....	3	0	3
MSTC134	Self-Care and Stress Management.....	2	0	2

SAMPLE SECOND SEMESTER

		CL	LAB	CR
MSTC121	Intermediate Massage Theory and Application#.....	2	3	3
AHLC123	Functional Kinesiology#.....	2	3	3
MSTC131	Pathology#.....	3	0	3
MSTC193	Massage Clinical Experience I#.....	0	3	1

SAMPLE THIRD SEMESTER

		CL	LAB	CR
MSTC194	Massage Clinical Experience II#.....	0	3	1
MSTC106	Introduction to Massage Specialties#.....	6	0	6

SAMPLE FOURTH SEMESTER

		CL	LAB	CR
MSTC119	Massage Business Practices.....	3	0	3
MSTC126	Massage Rules and Ethics.....	1	0	1
MSTC130	Advanced Massage Theory and Application#.....	2	3	3
MSTC140	Massage Capstone#.....	2	3	3
MSTC195	Massage Practicum#.....	0	3	1

* courses are offered fall, spring and summer. See director for details.

Mathematics and Science

The Associate in Science in Mathematics and Science will provide a pathway of transfer to STEM (Science, Technology, Engineering, and Mathematics) majors at four-year institutions while offering them a mathematics and science background that allows for a variety of career opportunities in related fields. This program will allow students to concentrate in any of the following areas:

- Mathematics
- Biological Science
- Physical Science
- Engineering/Engineering Technology

Furthermore, upon graduating with an Associate of Science degree in Mathematics and Science, RVCC students will be prepared to enter the workforce in positions such as laboratory and field technicians. Students who participate in the program will learn to think critically, reason logically, appreciate the nature and practice of science, and understand and evaluate quantitative and qualitative research.

Built on a cohesive program of study that stresses the connections between the STEM majors, the program design is based upon national standards for majors in mathematics and science. It includes a rigorous and diverse curriculum, accomplished faculty, support for students, and administrative support. Students can choose to concentrate in such areas as mathematics, biological science (*e.g.*, cell and molecular biology, anatomy and physiology, biomedical research, ecology

and evolutionary biology), physical science (*e.g.*, chemistry, physics, astronomy), and engineering/engineering technology (*e.g.*, chemical, mechanical, civil, computer, biosystem, and electrical engineering/engineering technology).

These concentrations emulate the first two years of four-year college and university degrees in mathematics, science, and engineering, and prepare students to be successful in these fields of study.

All students are required to take at least 64 credits to complete the degree of Associate in Science. Of these credits, 32 are general education requirements, and an additional 32 are specific to concentration requirements.

All students in this program are required to take the following general education core requirements:

GENERAL EDUCATION

		CL	LAB	CR
ENG102	College Composition I	3	0	3
ENGxxx	English Elective	3	0	3
XXXxxx	Humanities / Fine Arts / World Language Elective	3	0	3
SOCxxx	Social Science Elective	3	0	3
XXXxxx	Liberal Arts Electives	xx	x	12
XXXxxx	Mathematics &/or Science Program Courses (specific courses listed within concentrations)	xx	x	4
XXXxxx	Mathematics or Science Capstone Course	xx	x	4
				Total: 32

Required courses for a concentration in Mathematics:

Students concentrating in Mathematics **MUST** complete the following courses, in addition to general education requirements:

CONCENTRATION IN MATHEMATICS

Fall Semester				
		CL	LAB	CR
MTHC210	Calculus I	4	0	4
SCIC141	Chemistry I	3	3	4
Spring Semester				
MTHC211	Calculus II	4	0	4
CPTCxxx	Scientific Programming	x	x	4
SCICxxx	Physics I (calculus-based)	3	3	4
Fall Semester				
MTHC212	Multivariate Calculus	4	0	4
MTH217	Probability and Statistics	4	0	4
SCICxxx	Physics II (calculus-based)	3	3	4
Spring Semester				
MTHC216	Math Language, Logic and Proof	4	0	4
MTHC2xx	Capstone	4	0	4
Total: 40 (includes 8 general education requirements)				

Required courses for a concentration in Biological Science:

Students concentrating in Biological Science **MUST** complete the following courses, in addition to general education requirements:

CONCENTRATION IN BIOLOGICAL SCIENCE

Fall Semester				
		CL	LAB	CR
SCIC101	Biology: Chemical & Cellular Basis of Life	3	3	4
SCIC140	Chemistry I	3	3	4
MTHC106	Statistics I	4	0	4
Spring Semester				
SCIC102	Biology: Adaptation, Evolution, & Ecosystems	3	3	4
SCIC142	Chemistry II	3	3	4
Fall Semester				
SCIC130	Physics I	3	3	4
MTHC210	Calculus I	4	0	4
SCIC2xx	Biological Lab Sciences Elective	3	3	4
Spring Semester				
SCIC2xx	Biological Lab Sciences Elective	3	3	4
SCICxxx	Capstone	3	3	4
Total: 40 (includes 8 general education requirements)				

Continued on page 37

Mathematics and Science

Sample courses for a concentration in Physical Science:

Students concentrating in Physical Science **MUST** complete the following courses, in addition to general education requirements:

CONCENTRATION IN PHYSICAL SCIENCE

Fall Semester				CL	LAB	CR
MTHC210	Calculus I	4	0	4		
SCIC140	Chemistry I	3	3	4		
Spring Semester						
MTHC211	Calculus II	4	0	4		
SCIC142	Chemistry II	3	3	4		
SCICxxx	Physics I with Calculus	3	3	4		
CPTCxxx	Scientific Programming	x	x	4		
Fall Semester						
SCICxxx	Physics II with Calculus	3	3	4		
MTHC2xx	Mathematics Elective	4	0	4		
Spring Semester						
MTHC2xx	Mathematics Elective	4	0	4		
SCICxxx	Capstone	3	3	4		
Total: 40 (includes 8 general education requirements)						



Sample courses for a concentration in Engineering/Engineering Technology:

Students concentrating in Engineering **MUST** complete the following courses, in addition to general education requirements:

CONCENTRATION IN ENGINEERING/ENGINEERING TECHNOLOGY

Fall Semester				CL	LAB	CR
MTHC210	Calculus I	4	0	4		
MTHC110	Functions and Modeling I	4	0	4		
SCIC140	Chemistry I	3	3	4		
EGRC101	Introduction to Engineering I*	2	0	2		
EGRC110	Computer Aided Design/Drafting*	2	3	3		
Spring Semester						
MTHC211	Calculus II	4	0	4		
MTHC120	Functions and Modeling II	4	0	4		
SCIC231	Physics I with Calculus	3	3	4		
SCIC130	Physics I	3	3	4		
EGRC1xx	Introduction to Engineering II*	2	0	2		
CPTC175	Intro to C++	2	2	3		
Fall Semester						
MTHC212	Multivariable Calculus	4	0	4		
MTHC210	Calculus I	4	0	4		
EGRC2xx	Statics and Strength of Mtl's	3	0	3		
SCIC232	Physics II with Calculus	3	3	4		
SCIC140	Chemistry I	3	3	4		
Spring Semester						
MTHC215	Linear Algebra	4	0	4		
OR						
MTHC220	Elementary Differential Equations	x	x	4		
MTHC211	Calculus II	3	3	4		
SCIC131	Physics II	3	3	4		

* Required for both Engineering and Engineering Technology
Engineering Technology only courses in *Italics*.

Medical Administrative Assistant

(Day/Evening Program)

If you are looking for a career that you can enter quickly and that will provide you with a challenging work environment, you may want to consider becoming a Medical Administrative Assistant. A Medical Administrative Assistant is a trained professional who provides competent and efficient customer service, as well as support to the other facility staff, in order to provide the highest level of care to patients. The Medical Administrative Assistant is responsible for running the front desk operations of a hospital, medical office, or other facility. In large facilities, the Medical Administrative Assistant is part of a team, dealing with multiple phone calls and patients at once.

Medical Administrative Assistants are responsible for many duties, which may include answering communications, scheduling appointments, performing electronic medical coding, filing insurance claims, maintaining and filing records, performing accounting, and managing billing. This position requires a great deal of knowledge and training. The assistant must be excellent at verbal communication and have impeccable spelling and grammar to use in professional documents and other written communication.



During the course of a normal workday, the Medical Administrative Assistant will perform much of the clerical work in a medical facility. This includes answering phone calls, scheduling appointments, taking and recording payments, and filing and pulling patient records. The assistant may also fill out insurance forms, communicate with insurance companies, inventory and order supplies, and be responsible for scheduling patient hospital admissions and laboratory tests.

Applicants to the program must meet the general admission requirement for the college.

Students must earn a grade of “C” or higher in all ALHC courses to progress within the program. Students have the option of a dual major with the Medical Assistant Certificate Program (MAC). All MAC courses require a minimum grade of “C” to apply towards graduation.

Current Occupational Employment and Wages are available at: <http://www.bls.gov/oes/current/oes436013.htm>

FALL SEMESTER

		CL	LAB	CR
ALHC102	Medical Terminology	3	0	3
ALHC121	Medical Office Practice I#.....	2	3	3
BUSC102	Business Correspondence	3	0	3
*BUSC106	Keyboarding	0	3	1
BCPC101	Introduction to Computer Applications	2	3	3

SPRING SEMESTER

		CL	LAB	CR
ACCC103	Fundamentals of Accounting	3	0	3
OR				
ACCC101	Accounting I.....	3	0	3
ALHC124	Medical Office Practice II#.....	2	3	3
BCPC104	Word Processing#	2	3	3
ALHC166	Legal & Ethical Issues in Health Care.....	3	0	3
SCIC111	Anatomy and Physiology Essentials (Accuplacer)	4	0	4

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Medical Assistant

(Evening Program)

In Demand: Medical assisting is one of the nation's fastest growing careers, according to the United States Bureau of Labor Statistics, attributing job growth to the following:

- Predicted surge in the number of physicians' offices and outpatient care facilities
- Technological advancements
- Growing number of elderly Americans who need medical treatment

Job Responsibilities: Medical assistants are the only allied health professionals specifically trained to work in ambulatory care settings, such as physician offices, clinics, and group practices. Duties vary from office to office depending on location, size, specialty, and state law.

Administrative Duties (may include, but not limited to):

- Using computer applications
- Answering telephones
- Greeting patients
- Updating and filing patient medical records
- Coding and filling out insurance forms
- Scheduling appointments
- Arranging for hospital admissions and laboratory services
- Handling correspondence, billing, and bookkeeping

Clinical Duties (may include, but not limited to):

- Taking medical histories
- Explaining treatment procedures to patients
- Preparing patients for examination
- Assisting the physician during exams
- Collecting and preparing laboratory specimens
- Performing basic laboratory tests
- Instructing patients about medication and special diets
- Preparing and administering medications as directed by a physician
- Authorizing prescription refills as directed
- Drawing blood
- Taking electrocardiograms
- Removing sutures and changing dressings

Admission Requirements

- Meet the college requirements for admission
- Minimum Accuplacer score for course registration: SCIC111, A&P Essentials - Reading 70
- Have manual dexterity, hearing and visual abilities that meet technical standards for medical assisting
- Participate in a personal interview with the Program Director
- Students may be required to submit a Criminal Background Check and drug screening to attend an affiliation site

CMA (AAMA) Certification: Many employers of allied health personnel prefer, or even insist, that their medical assistants are CMA (AAMA) certified. Graduates of the RVCC Medical Assisting Program are eligible to take the CMA (AAMA) Certification Exam.

The River Valley Community College Medical Assisting Program is accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) 1361 Park Street, Clearwater Florida, 33756, (727) 210-2350, upon the recommendation of the Medical Assisting Education Review Board (MAERB).

Students must earn a minimum grade of "C" in all required courses to progress within the program and graduate. Affiliation I is an unpaid, supervised on-site work experience consisting of a 160 hour clinical rotation in an ambulatory health-care setting, performing psychomotor and affective competencies. Transportation to the site is the student's responsibility.

Individuals who have been found guilty of a felony, or pleaded guilty to a felony, are not eligible to take the CMA Exam without a waiver from the Certifying Board of the AAMA. More information is available on the College website.

CERTIFICATE PROGRAM

The Medical Assistant Program may begin any semester and be completed on a full or part time schedule.

The Curriculum must be completed within 3 years of matriculation date.

SPRING SEMESTER

		CL	LAB	CR
ALHC102	Medical Terminology	3	0	3
BUSC106	Keyboarding	0	3	1
ALHC166	Legal and Ethical Issues in Health Care	3	0	3
PSYC101	Introduction to Psychology	3	0	3

SUMMER SEMESTER

		CL	LAB	CR
BCPC104	Word Processing#	2	3	3
SCIC111	Anatomy and Physiology Essentials (Accuplacer)	4	0	4

FALL SEMESTER

		CL	LAB	CR
BUSC102	Business Correspondence	3	0	3
ALHC110	Pharmacology#	3	0	3
ALHC121	Medical Office Practice I#	2	3	3
ALHC130	MA Clinical Procedures I#	3	3	4

SPRING SEMESTER

		CL	LAB	CR
ALHC126	*Introduction to Laboratory Procedures.....	2	3	3
ALHC124	Medical Office Practice II#	2	3	3
ALHC135	MA Clinical Procedures II#	3	0	3
ALHC190	MA Affiliation I (160 hours)#	0	0	3

*Matriculation in MLT program or MA program with ALHC130, ALHC135 or POI

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Medical Laboratory Technician

(Day Program)

Medical Laboratory Technicians (MLT's) play a critical role in the detection, diagnosis, and treatment of disease. MLTs perform highly complex laboratory procedures ranging from detailed manual techniques to sophisticated computerized technology. The continued growth of the laboratory science profession is producing an increased demand for educated and motivated laboratory professionals. Opportunities for employment for the MLT include: hospital and reference laboratories, physician offices, clinics, forensic laboratories, pharmaceutical companies, and research facilities.

Coursework for the Medical Laboratory Technician program integrates professional with general education courses, gaining skills for the job as well as general life skills. In addition to classroom studies, students spend twenty weeks, full-time in an accredited hospital or private laboratory refining skills in the specific areas of a clinical laboratory. Clinical affiliations are arranged based on predetermined criteria and are subject to availability of facilities located throughout New Hampshire and Vermont. Students are required to have liability and health insurance prior to being placed for their clinical rotations. CPR certification is recommended and may be required by some clinical sites. Students must also be able to provide their own personal transportation to all clinical assignments. A criminal record background check may be required for affiliation experience at the request of an agency and is the responsibility of the student.

Admission Requirements

- Satisfy general requirements for admission to the College
- Have credits (or the equivalent) in high school or college algebra, English, biology and chemistry.
- Interview with the program director
- Demonstrate knowledge of the field of laboratory medicine or schedule a tour in a clinical laboratory.

Students health status must be compatible with the tasks and duties of a MLT including the ability to perform certain motor skills involved in collecting blood, using pipettes and a microscope, and accurately reading color charts for interpretation. Students are required to provide results of a medical examination, proof of immunity to infectious disease, and Criminal Background Check before being scheduled for clinical affiliations.

Upon completion of the MLT program, students are qualified for immediate employment and are eligible to sit for the certification examination offered by the ASCP Board of Certification (BOC).

This two-year Associate Degree program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences, 5600 N. River Road, Suite 720, Rosemont, IL 60018; www.nacls.org; (773) 714-8880

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition#.....	3	0	3
SC1C140	Chemistry I.....	3	3	4
SC1C111	Anatomy & Physiology Essentials#.....	4	0	4
**SC1C201	Anatomy and Physiology II#.....	(3)	(3)	(4)
SC1C205	Microbiology#.....	3	3	4
ALHC126	Intro to Laboratory Procedures.....	2	3	3

SPRING SEMESTER

		CL	LAB	CR
MTHCxxx	Mathematics Elective#.....	4	0	4
**SC1C202	Anatomy and Physiology II#.....	(3)	(3)	(4)
XXXXxxx	Social Science Elective.....	3	0	3
MLTC110	Pathogenic Microbiology#.....	3	3	4
MLTC111	Urinalysis#.....	1	3	2
MLTC112	Serology#.....	1	3	2

SUMMER SEMESTER

		CL	LAB	CR
MLTC120	Affiliation Microbiology (6 wks)#.....	0	0	5
MLTC121	Affiliation Urinalysis and Special Diagnostics (1wk)#.....	0	0	1

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
ENG1Cxxx	English Elective#.....	3	0	3
XXXXxxx	Humanities/Fine Arts/World Language.....	3	0	3
MLTC201	Hematology#.....	3	3	4
MLTC202	Immunohematology#.....	3	3	4
MLTC203	Clinical Chemistry#.....	3	3	4

SPRING SEMESTER

		CL	LAB	CR
MLTC211	Affiliation Hematology (5wks)#.....	0	0	4
MLTC212	Affiliation Blood Bank (4wks)#.....	0	0	3
MLTC213	Affiliation Chemistry (4wks)#.....	0	0	3
MLTC220	MLT Senior Seminar (4-8 hr seminars)#.....	2	0	2

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

* All Affiliation courses require a grade of "C" or better in the prerequisite course and a passing grade of "C" must be obtained in both lecture and laboratory components of the prerequisite MLT program courses to attend the clinical affiliation for that discipline.

All Affiliation courses require a final grade of "C" or better for course completion.

** These courses are optional choices for students intending to continue their education towards a bachelor's degree. See program director for advising. All MLTC courses require matriculation in the program, or permission of instructor for registration.

Nursing – Associate of Science Degree in Nursing

(Claremont/Keene)

The Associate of Science Degree in Nursing (ASN) Program prepares the student for beginning level of practice and for National Council Licensure Examination (NCLEX) for Registered Nurses (RN). Graduates are prepared to enter the nursing profession as safe and effective health care professionals who contribute to the health and wellness of their communities. Upon graduation, students are qualified for immediate employment in a variety of healthcare settings that include hospitals, long-term care facilities, and clinics.

The nursing curriculum provides a contemporary and quality education and is approved by the New Hampshire Board of Nursing. Questions on State Board of Nursing requirements can be addressed to <http://www.nh.gov/nursing>.

Values of competence, holism and integrity give meaning and direction to the student's developing RN role. Using the nursing process, evidence-based knowledge, the registered nurse role, and the wellness continuum, graduates use critical thinking to practice as a novice graduate registered nurse.

The Associate of Science Degree in Nursing Program offers four sequential clinical nursing courses which students complete over two years. Each course integrates classroom learning with simulation laboratory activities and faculty supervised clinical experiences to prepare students to provide holistic nursing care to individuals, families, and groups. The nursing program follows Patricia Benner's novice to expert model of skill acquisition and self-care framework, faculty guide students to develop the capacity to provide increasingly complex nursing care.

Students integrate nursing knowledge with liberal arts courses that focus on life and social sciences, humanities, mathematics, and English to grow personally and professionally. Many students complete the general education courses prior to admission into the nursing program. Students must successfully complete 68-69 college credits to meet graduation requirements for the Associate of Science Degree in Nursing.

Learning experiences take place in a variety of setting that include classrooms, nursing skills laboratory, hospitals*, health-care agencies, long-term facilities and community settings. Students are responsible for their own transportation to these facilities. The program adheres to NH Board of Nursing educational standards for clinical supervision. Each faculty teaching in the classroom, skills laboratory, and clinical setting holds a Master's degree in Nursing (MSN). Each group of eight (8) students is supervised by a nursing faculty in clinical.

Students must earn a grade of B- (80%) or higher in each nursing course to progress within the program. Required science courses (Anatomy and Physiology I and II, Microbiology) and the liberal arts courses must be completed with a minimum grade of "C". Introduction to Psychology, Human Development, and science courses must be current within five

(5) years or admission to the nursing program. The science and liberal arts courses may be transferred to RVCC from another college with a grade of "C" or better. The nursing program courses must be completed within five (5) years of the date of entry into the first nursing course.

Students will be required to take and pass a basic med-math exam in the first nursing course. A student who does not earn a 100% on this exam by the third attempt cannot progress in the program. Students participate in mandatory ATI assessment each semester and NCLEX Readiness Examinations while in the program. At the end of the nursing program all students will attend a NCLEX review course. A fee is assessed for this testing and review course through your tuition charges.

After acceptance in the program, students are eligible for RN to BSN options through agreements with a number of colleges and universities. Currently, the RVCC Nursing Program has affiliation agreements with the University of New Hampshire, Franklin Pierce University, the University of Vermont, Rivier College, Keene State College, Plymouth State University, and Southern New Hampshire University. More information on the RN to BSN options can be obtained from the Nursing Department Chairperson.

Additional Requirements

- Complete the Accuplacer Assessment or show evidence of successful college level math and English course work
- Complete the College Application and fee
- Provide evidence of high school or college credits in algebra, chemistry and English with grades of "C" or better
- Meet minimum score requirements in all four sections on a single Assessment Technologies Inc. (ATI) Test of Essential Academic Skills (TEAS) assessment.
- Submit two letters of Professional Reference on forms provided by the nursing program

Applications will not be reviewed until they are complete. Students are strongly advised to apply early and complete all application requirements on or before the established deadline of December 31st. Students are notified of acceptance by March 1st. Student selection for available seats is competitive and is based on a point system selection policy. Once accepted, students must be prepared to start the nursing sequence in fall semester.

The selection process includes a review of all requirements submitted in the application and the ATI TEAS scores. There are not substitutes or exceptions for the required TEAS assessment. TEAS scores are valid for 24 months and a remediation and permission is required for retakes. TEAS may be taken 3 times in a calendar year, with 6 weeks between attempts. Registration dates and fees for the TEAS can be found on the website: www.atitesting.com

Students may request a transfer of credits from courses taken at other accredited colleges and universities. The Vice President of Academic Affairs makes final determination of

* Clinical affiliation sites are subject to availability

Nursing – Associate of Science Degree in Nursing

transfer credits. In order to transfer, science courses, Intro to Psychology and Human Development must be completed with a minimum grade of “C” and be current within the last five (5) years. Applicants are required to mail official transcripts (sealed) to the Office of Admissions at RVCC.

Additional Requirements

- **LNA/LPN** – Students must show proof of current NH licensure as a Nurse Assistant or Practical Nurse to meet admission requirements (active, current NH Licensure to be kept current throughout program). Those in LNA training have conditional acceptance however, they must possess NH licensure prior to August 1 or they forfeit their place in the program. Certificate of completion from a NH Board of Nursing approved NA course may be required.
- **CPR** – Students must show proof of Cardiopulmonary Resuscitation HealthCare Provider Certification Level C by the American Heart Association (AHA) or Provider Level Certification by the American Red Cross (ARC) no later than July 1. Only AHA or ARC courses with *skill check by a qualified instructor* are accepted for recertification. Initial CPR must be a full 6 hour course with skill check.
- **CORI** – Criminal Offense Record Investigations may be conducted, as well as any other requirements requested by clinical sites throughout the program. Any fees are at the expense of the student. If the investigation reveals a history of a felony or selective misdemeanors, the Board of Nursing may bar initial licensure. Students with known discipline on a nursing license may be denied progression in the program.
- **TRAVEL** – Transportation to and from clinical sites is the student’s responsibility.
- **MEDICAL INSURANCE** – Students are required to carry medical insurance with a minimum of Accident coverage to participate in clinical. Documentation required by July 1. CCSNH insurance is available and information can be obtained at the College. Proof of insurance is due no later than first day of fall semester
- **MEDICAL DOCUMENTATION** – Upon acceptance, students must show proof of medical history and physical exam, current within two (2) years of entrance and proof of immunity to Measles, Mumps, Rubella, and Varicella. Also, students must show proof of Tetanus, Diphtheria, and Pertussis (TDap) within ten (10) years of admission to the nursing program and immunity to Hepatitis B or a signed waiver. Each fall, students must show proof of influenza vaccine. Annual Tuberculosis screening indicating non-exposure is required no later than July 1, prior to starting the nursing program.
- **TECHNOLOGY** – Students must be familiar with Microsoft word, PowerPoint, and web navigation.

Associate of Science in Nursing (ASN) Degree Option – Keene

The Associate of Science in Nursing Program is also available at the RVCC Academic Center in Keene. Admission to the Keene program occurs every other year depending on sufficient number of qualified applicants, instructors, and clinical sites. Admission requirements to the nursing program at the Keene site are identical to those at Claremont. At the Academic Center in Keene, students can also access a full range of college services. The student services include financial aid, academic advisement, *Accuplacer Assessment*, admission counseling, computer labs, college library databases, and tutoring.

FIRST YEAR

Program Pre-Requisite Requirements: Licensure as a Nurse Assistant in NH, BLS/CPR Program Pre- Requisite Courses: High School English, Algebra, and Chemistry.

FALL SEMESTER

		CL	LAB/CLIN	CR
SCIC201	Anatomy & Physiology I#	3	3	4
PSYC101	Introduction to Psychology.....	3	0	3
ENG102	College Composition#	3	0	3
NRNC116	Nursing Care I.....	3	2 - lab 10 - clin	7
NRNC105	Nursing Seminar I	1	0	1

SPRING SEMESTER

		CL	LAB/CLIN	CR
PSYC114	Human Development	3	0	3
SCIC202	Anatomy & Physiology II.....	3	3	4
NRNC117	Nursing Care II	4	2 - lab 13 - clin	9

SECOND YEAR

FALL SEMESTER

		CL	LAB/CLIN	CR
MTHCxxx	Mathematics Elective*#	3 - 4	0	3 - 4
SCIC205	Microbiology#	3	3	4
NRNC215	Nursing Seminar II#	1	0	1
NRNC220	Nursing Care III#	4	2 lab 13 clin	9

SPRING SEMESTER

		CL	LAB/CLIN	CR
ENGxxx	200 Elective#	3	0	3
XXXxxx	Humanities/Fine Art/ World Language Elective	3	0	3
NRNC225	Nursing Seminar III#	1	0	1
NRNC230	Nursing Care IV#	4	2 - lab 16 - clin	10

* MTHC elective option – It is highly recommended if you are planning to continue your education in a RN to BSN program that you take MTHC106 – Statistics I

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Technical Standards for Nursing

All students in the River Valley Community College (RVCC) nursing programs must be able to perform diverse, complex, and specific functions and skills. Technical and professional standards for nursing are essential duties which speak to a student's ability to participate and be successful in the nursing program. These attributes include, but are not limited to personal and professional skills, physical agility, medical safety and other requirements that individuals must possess in order to be eligible for satisfactory completion of the program of study as well as for the desired field of nursing.

These attributes must be demonstrated with or without reasonable accommodation as described under the American's with Disabilities Act.

The qualifications established by the faculty include but are not limited to the following essential technical standards:

MOTOR SKILLS

1. The ability to perform full range of motion of body joints, fine motor movements of the hands, and the ability to stoop and bend.
2. The ability to elicit information from patients by palpitation, auscultation, percussion and other assessment maneuvers.
3. The ability to execute movements required to provide general care and treatment to patients in all health care settings including emergency treatment: e.g. transferring, lifting and turning clients, providing hygienic care, assisting patients in activities of daily living and providing cardiopulmonary resuscitation.
4. The ability to lift up to 40 pounds of weight on a daily basis.
5. The ability to carry objects weighing up to 40 pounds on a daily basis.
6. The ability to push or pull an occupied wheelchair, stretcher or patient bed on a daily basis.

SENSORY/OBSERVATION/COMMUNICATION

1. The ability to observe a patient accurately at a distance and close at hand. This requires functional use of the senses of vision and hearing.
2. The ability to perceive the signs of disease and infection as manifested through physical examination, including from images of the body surfaces, palpable changes in various organs and tissues, and auditory information.
3. The ability to closely examine images or other forms of output created by diagnostic equipment.
4. The ability to observe and appreciate non-verbal communications when performing nursing assessment and intervention or administering medications.
5. The ability to use spoken and written English to communicate in a coherent manner with individuals of all professions and societal levels.

6. The ability to convey or exchange information at a level allowing development of a health history; identify problems presented; explain alternative solutions; and give directions during treatment and post-treatment.
7. The ability to process and communicate information on the patient's status with accuracy in a timely manner to members of the health care team.

PROFESSIONAL CONDUCT/BEHAVIORAL

1. The ability to utilize intellectual abilities, exercise good judgment, and promptly complete all responsibilities attendant to the diagnosis and care of patients and families.
2. The ability to maintain mature, sensitive, and effective relationships with patients, students, faculty, staff and other professionals under all circumstances.
3. The ability to recognize that one's own values, attitudes, beliefs, emotions, and experiences affect ones perceptions and relationships with others.
4. The ability to function effectively under stress and to adapt to an environment that may change rapidly without warning and/or in unpredictable ways.
5. The ability to learn and abide by professional standards of practice.
6. The ability to engage in patient care delivery in all settings and be able to deliver care to all patient including but not limited to children, adolescents, adults, developmentally disabled persons, medically compromised patients, and vulnerable adults.
7. The ability to maintain composure when subjected to high stress levels.
8. The ability to adapt effectively to changing environments, especially those with high tension levels.
9. The ability to respond in an emotionally controlled manner in learning situations and emergencies.



Advanced Placement (AP) Nursing – Associate of Science Degree in Nursing

Advanced Placement Option for Licensed Practical Nurses (LPN)

The Advanced Placement (AP) option is designed to expand upon the previous education of the Practical Nurse. Applicants should have a current Practical Nurse license. The application and selection process is the same as for the Associate of Science Degree in Nursing (see page 40) except a NH State Police Criminal background check is required of any applicant who holds a PN license other than a NH LPN. Instructions for the criminal background check are available in the nursing office. The results of this background check must be submitted to the ASN Department Chairperson who will determine the applicant's eligibility for admission to the ASN Program. Admission is on a space available basis. In addition to the above requirements AP applicants will be required to take the ATI Assessment Test for Fundamentals of Nursing and Nutrition and achieve a proficiency level II.

Applications and completed application requirements must be received in the Office of Admissions by February 28 for the application to be placed in the applicant pool for consideration. Students are notified of acceptance by April 1.

Equivalent nursing credits of "B-" (80%) or higher, from a regionally accredited nursing school may be transferred from the applicants' basic practical nursing program. Equivalency of credits will be determined by the ASN Department Chairperson when transcripts and course descriptions are submitted. Students from non-regionally accredited programs who achieved credits with a "B-" or higher, should contact the ASN Department Chairperson to determine eligibility for possible recognition of previous academic work. AP students enter into the second year of the ASN Program. The following degree requirement must be completed with an achieved grade of "C" or better before admission to the Advanced Placement option:

ADVANCED PLACEMENT (AP) PROGRAM of STUDY

The following degree requirements must be completed to meet admission requirements of the PN to RN advanced placement option:

Anatomy & Physiology I (High School Chemistry)	4 Semester Credits
Anatomy & Physiology II (A&P I)	4 Semester Credits
Introduction to Psychology	3 Semester Credits
Human Development.....	3 Semester Credits
Mathematics Elective (Accuplacer)....	3 or 4 Semester Credits
College Composition I (Accuplacer).....	3 Semester Credits

Microbiology, Anatomy and Physiology I, Anatomy and Physiology II, Introduction to Psychology, and Human Development must be successfully **completed within five (5) years of entrance**. All general education courses must be completed with a grade of "C" or better to transfer into the program.

PROGRAM OF STUDY

SUMMER SEMESTER

		CL	LAB	CLIN	CR
NRNC197	Transition PN to RN.....	3	0	0	3

FALL SEMESTER

		CL	LAB	CLIN	CR
NRNC220	Nursing Care III#	4	2	13	10
NRNC215	Nursing Seminar II#	1	0	0	1
SCIC205	Microbiology#	3	3	0	4

SPRING SEMESTER

		CL	LAB	CLIN	CR
ENGcxxx	English Elective#	3	0	0	3
NRNC230	Nursing Care IV#	4	2	16	10
NRNC225	Nursing Seminar III#	1	0	0	1
XXXxxx	Humanities/Fine Arts/ World Language Elective.....	3	0	0	3

Co/Prerequisites Required. See course description

Program of Study is subject to change.

Nursing Assistant (NA)

(Evening/Weekend – Part-time Program)

The Nursing Assistant Certificate program prepares students for licensure and employment in the role of a Licensed Nurse Assistant (LNA). The LNA works as an extension of the licensed nurse in hospitals, long-term care facilities, clinics, community health centers and home health care agencies. Nurse Assistants (LNAs) are not licensed to handle medications. The course helps students develop abilities to empathize with patients and perform nursing related activities.

Students are encouraged to practice skills, ask questions, and share feelings about entering the care environment. The program provides 48 hours of classroom instruction, 24 hours of clinical laboratory, and 72 hours of supervised clinical in direct care. The program holds full approval by the New Hampshire Board of Nursing, www.state.nh.us/nursing and Vermont Board of Nursing <http://vtprofessionals.org>. Attendance is mandatory at all class, lab, and clinical sessions to meet New Hampshire and Vermont Board of Nursing requirements.

Graduates will be able to:

- provide assistance with activities of daily living to patients.
- communicate effectively with patients and the health care team.
- document data and findings related to the patients well-being.
- apply knowledge of legal and moral principles when performing nursing related activities.
- function as an effective team member within the role of the nursing assistant.
- perform skills safely and within the scope of the nurse assistant.
- use this knowledge to take a standardized nurse aide examination at the end of the program, meeting federal OBRA requirements.

Admission Requirements:

- General requirements as listed in the catalog
- Complete Accuplacer Placement Test if no waiver from the NA Program Director*. A limited proficiency (5-9) in Computations with Integers and Fractions on the diagnostic arithmetic Accuplacer exam and a Reading score of 70 or higher is required to enroll in the NURC101 Skill Training for Nursing Assistants course.
- Two written references, submitted on forms provided by the College
- Ability to lift and move at least 40 pounds on a regular basis (in relation to performing nursing assistant job related activities)
- Demonstrate manual dexterity and motor coordination to perform nursing assistant job related activities

* Consultation with the Department of Instruction Services may be indicated

Additional Requirements:

Evidence of the following must be submitted to the nursing department before the first class.

- Current (within 2 years) physical exam by a physician
- Current American Health Association (AHA) or American Red Cross (ARC) CPR, healthcare providers level training. Only AHA or ARC courses with *skill check by qualified instructor* are accepted for recertification. Initial CPR must be a full 6 hour course with skill check.
- Medical Insurance covering a minimum of accident is mandatory for clinical and documentation must be submitted no later than one week prior to start of clinical.
- A negative Tuberculin skin test (within last 10 months)
- Measles, Mumps, and Rubella (MMR) immunity
- Chicken Pox history or immunization
- Hepatitis B vaccination series or waiver
- Liability Insurance
- Tetanus (TDaP) within past 5 years
- **Criminal Background Checks:** Students are advised that clinical sites require Criminal Background Checks and BEAS consent. Any fees to meet these requirements are the responsibility of the student. Students with known criminal background or legal actions may be denied enrollment and/or progression in the program. Students will receive instructions from the nursing department for the Background Check after acceptance to the NA program. The Background Check must be completed prior to the start of clinical learning experiences.

The Board of Nursing, NH RSA 326 – B: 15 requires fingerprinting and a criminal records check before a license will be issued

CERTIFICATE PROGRAM

	CL	LAB	CR
NURC 101 Skill Training for Nursing Assistants.....	3	6	5

Prerequisites:

Accuplacer Assessment or Waiver

CPR Healthcare Provider Level Training

This course can be completed in 8 weeks depending on clinical site and instructor availability. The course schedule is two evenings and a weekend day when possible. The clinical hours, placement, and course scheduling are subject to change. Semester scheduling of NURC 101 can be found on the College website www.rivervalley.edu

Completion of this NA certificate program does not assure entrance in the College nursing programs.

The College reserves the right to cancel the course when enrollment is not adequate.

Practical Nursing

(Day Program)

The Practical Nursing Program prepares students for licensure as licensed practical nurses. Upon graduation students are prepared to work as entry level members of a multidisciplinary team providing care to clients in a variety of health care settings. The Practical Nursing Program has full approval status from the New Hampshire Board of Nursing. Graduates are eligible to take the National Council Licensure Examination for Practical Nurses (NCLEX – PN).

The Practical Nursing Program promotes a self-directed approach to learning throughout the students' class, laboratory, and clinical experiences. Students participate actively in their learning process through involvement in regularly scheduled class, laboratory, and clinical learning experiences, and ongoing self-evaluation. Learning activities engage students in group work that helps them develop the collaborative skills necessary for today's nursing practice, as well as providing them with a greater sense of community. Students and faculty meet during scheduled classes to discuss theoretical concepts related to particular areas of study. Students then have the opportunity to apply their theoretical knowledge to skills and other related nursing care in the laboratory and clinical settings. Students regularly use faculty as resources and mentors to assist them in their learning process. To ensure safety and well-being of other, the expectation is that students will demonstrate honesty, maturity, emotional stability, and ethical behavior, and adhere to the LPN Code of Ethics while fully engaging in learning activities.

The curriculum is based on a self-care theoretical framework and includes a general education component. Nursing courses are taken sequentially and include a clinical/laboratory component. Student must earn a minimum grade of B- (80%) in all nursing courses. Students who do not meet this requirement must repeat the nursing course before progressing further in the program.

Clinical learning experiences may be scheduled during the day or evening. Prior to all clinical affiliations, students must provide evidence of current AHA/ARC CPR training healthcare provider level (Only AHA or ARC courses with *skill check by qualified instructor* are accepted for recertification. Initial CPR must be a full 6 hour course with skill check.), medical health insurance, and proof of certain immunization status. Specific information on specific health requirements will be provided to individuals upon admission to the Practical Nursing Program.

Admission Requirements:

- General requirements listed in the catalog, including Accuplacer
- Evidence of high school credits in Math, English, and Science with lab; grade of "C" or better
- Two letters of reference submitted on forms provided by the College
- Minimum score requirements in all 4 sections on a single Assessment Technologies Inc. (ATI) Test of Essential Academic Skills (TEAS) V. Updated score requirements will be distributed at the time of the TEAS V assessment. TEAS scores are valid for 24 months and remediation and permission is required for retakes. TEAS may be taken 3 times in a calendar year, with 6 weeks between attempts. Registration dates and fees for the TEAS can be found on the website: www.atitesting.com
- All application materials must be submitted to the Admissions Office by March 1. Successful applicants will be notified of admission by April 1. Admission may be contingent on completion of course work in progress.

- Hold an active New Hampshire Nurses Aid License (License must be obtained before start of the program and kept current throughout the program). Certificate of completion from a NH Board of Nursing approved NA course may also be required.

Additional Program Requirements:

- Complete Anatomy & Physiology Essentials (or A & P I and II) and Intro. to Psychology (PSYC 101) with a grade of "C" or higher from a regionally approved college within the past five (5) years.
- Medical Documentation – Upon acceptance, students must show proof of medical history and physical exam, current within two (2) years of admission to the program. Immunity to Measles, Mumps, Rubella, and Varicella (Chicken Pox), annual Tuberculosis screening indicating non-exposure, a Tdap within ten (10) years, and a Hepatitis B series of inoculations (or a signed waiver) are required. Annual influenza vaccine is also required.
- Health insurance documentation is required by clinical sites. Documentation of insurance is to be submitted to the nursing department prior to the start of the fall semester.
- Students will be billed for the ATI subject and comprehensive ATI exam in the summer, fall, and spring semesters.
- Students are expected to follow the "Technical Standards for Nursing" as listed in the catalog.
- Clinical sites may require additional criminal background checks and BEAS check consent. Any fees to meet these requirements are the responsibility of the student.
- The New Hampshire Nurse Practice Act, RSA 326: B identifies limitations to licensure ie., conviction of a felony, which may prohibit the graduate from taking the licensure examination. New Hampshire Law requires that every applicant applying for a nursing license submit a notarized "Criminal Record Release Authorization Form" to the Division of NH State Police prior to application for licensure.

A class of Practical Nursing students will begin during summer session each year if there are sufficient numbers of qualified applicants, clinical sites, and instructors. The clinical hours, placement and course scheduling are subject to change.

DIPLOMA PROGRAM

Twelve (12) General Education credits are required for graduation. The program prerequisites of PSYC 101, SCIC 111 (or SCIC 201 and 202) will count towards the Gen. Ed. requirement.

SUMMER SEMESTER

		CL	LAB	CR
NURC110	Self-Care Nursing I (8 wks)#	3	9	6

FALL SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective	3	0	3
NURC200	Self-Care Nursing II#	4	15	9

SPRING SEMESTER

		CL	LAB	CR
XXXXxxx	General Education Elective	3	0	3
NURC201	Self-Care Nursing III#	4	15	9
NURC202	Managing Professional Practice: PN#	1	0	1

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

Occupational Therapy Assistant

(Day Program)

Occupational therapy: “Living Life to its Fullest”

Occupational therapy is the profession for individuals who enjoy solving challenging problems which help people of all ages overcome physical, developmental, mental and/or emotional disabilities and achieve independence, you will find many opportunities in the field of occupational therapy. The need for therapists will grow well into the 21st century, reflecting the importance of function, prevention of disability, and promotion of health. The Certified Occupational Therapy Assistant (COTA), under the supervision of a registered Occupational Therapist, uses therapeutic activities to help people with an illness or disability live healthy, productive lives. Therapy is functional, purposeful, and individualized for each client. In the classroom, students experience simulated and actual clinical activities. Students will learn vital skills to safely work with people with many types of disability.

Admission Requirements

General college admission requirement:

- High school credits in English, math, biological sciences, chemistry or equivalent, and basic competence in computer/word processing

Program requirements: (all located in the OTA Admission Packet):

- 2-4 hour Fieldwork observations
- High School chemistry
- One letter of recommendation
- Essential Skills Agreement
- Licensure/Liability Agreement
- CPR for allied health professionals or a course including child, adult and AED training
- Criminal background checks and fingerprinting (required for FW placement and may be completed in the first year of matriculation) *the cost of these are the responsibility of the student
- An interview with the Program Director after all program and college application materials are submitted.

Accuplacer

- Sentence Skills at least 78 and Reading skills at least 70 or RVCC course Introduction to College Comp (minimum C grade) or RVCC course English Composition I (passed) or Transferring in English Composition I or equivalent (minimum grade C)
- Elementary Algebra score at least 78 or RVCC course: Fundamentals of Mathematical Literacy I and II (or equivalent from elsewhere) passed with at least a C grade or RVCC college level math or Transferring in college level math

Curriculum Grading and Progression Through Program

The student must pass all courses within the curriculum with a minimum grade of “C”. All OTAC and AHLIC courses are based on a 7-point scale (C=80). At selected points in the program, students must pass a comprehensive examination in order to progress.

Curriculum Flexibility

The curriculum may be completed in two, to three years. Each curriculum plan is individualize for each student and done so with the OTA academic advisor. All students must complete the curriculum within a four year period from the date of their matriculation.

Fieldwork experience for learning

Under the supervision of an Occupational Therapy Practitioner or Allied Health Professional (Level I) or Occupational Therapy Practitioner (Level IIA and IIB), students help to plan and implement client treatment as well as evaluate and document functional client outcomes in a variety of health care and educational settings.

Students are placed in fieldwork agencies located throughout New England. Placement is subject to availability and may require travel.

All Level II Fieldwork must be completed within 18 months following program academic coursework. Credit by exam options, based on prior learning, for Level I Fieldwork may be an option for some students (this decision is up to the program directors discretion).

Program accreditation

Fully accredited since 1973 by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), The Occupational Therapy Assistant program is accredited by Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), ACOTE c/o AOTA, 4720 Montgomery Lane, Suite 200, Bethesda, MD 20814-3449. The web site is www.aota.org. Questions about ACOTE accreditation can be directed via the ACOTE web site www.acoteonline.org. For up to date passing rates of first time test takers please proceed to the following link <https://secure.nbcot.org/data/schoolstats.aspx> Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Most states require licensure in order to practice; however, state licenses are usually based upon the results of the NBCOT Certification Examination. For up to date passing rates of first time test takers, please proceed to the following link: <https://secure.nbcot.org/data/schoolstats.aspx>

NBCOT examination pass rates

Year	Total Number of New Graduates Testing	Total Number of New Graduates Passing	Total Number of New Graduates Failing	RVCC Percentage Passing Rate of New Graduates
2013	5	4	1	80%
2012	15	14	1	93%
2011	15	15	0	100%
Total 3-year	35	33	2	91%

Total Number of New Graduates in a three year period (2011-2013) is 35. – Total Number Passing is 33.

Occupational Therapy Assistant

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER		CL	LAB	CR
SCIC201	Anatomy and Physiology I#	3	3	4
PSYC101	Introduction to Psychology	3	0	3
PSYC114	Human Development	3	0	3
AHLC104	Introduction to Occupational Therapy/Physical Therapy (First 8 weeks)#	1	0	1
AHLC112*	Clinical Conditions for OT/PT/MT#	3	0	3
AHLC135*	Activities of Daily Living#	2	3	3
OTAC110*	Fundamentals in Occupational Therapy (Second 8 weeks)#	0	3	1

SPRING SEMESTER		CL	LAB	CR
ENG102	College Composition I#	3	0	3
MTHCxxx	Mathematics Elective#	4	0	4
SCIC202	Anatomy and Physiology II#	3	3	4
AHLC123	Functional Kinesiology#	2	3	3
OTAC125*	Therapeutic Principles#	1	5	3
OTAC212*	Developmental Disabilities in Occupational Therapy#	1	3	2

SUMMER SEMESTER		CL	LAB	CR
OTAC190*	OTA Level I Fieldwork (6 wks)#	1	0	6

SECOND YEAR

FALL SEMESTER		CL	LAB	CR
ENGcxxx	English Elective#	3	0	3
XXXXxxx	Humanities/Fine Arts/World Language	3	0	3
XXXXxxx	General Education Elective#	3	0	3
AHLC220*	Clinical Neurology#	3	0	3
AHLC210*	Physical Therapy/Occupational Therapy Management#	2	0	2
OTAC213*	Psychosocial Disabilities in Occupational Therapy#	2	2	3
OTAC214*	Physical Disabilities in Occupational Therapy#	1	3	2

SPRING SEMESTER		CL	LAB	CR
OTAC220*	Seminar in Occupational Therapy#	1	0	1
OTAC290*	OTA Level IIA Fieldwork Experience (8 wks)#	0	0	6
OTAC291*	OTA Level IIB Fieldwork Experience (8 wks)#	0	0	6

* Must be matriculated in professional program or receive special written permission of instructor.

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.



Phlebotomy

(Day & Evening Program)

A career as a Phlebotomy Technician is a rewarding path for someone who desires to work directly with patients. The phlebotomist (PBT) is often the first contact a patient has with the clinical laboratory and is key to building a bridge of trust between the patient and health care professionals. Phlebotomists use care and skill to obtain blood specimens from patients for analysis in the clinical laboratory. Technologists and physicians depend upon the phlebotomist to collect quality patient specimens in order to produce quality laboratory results. Phlebotomy technicians are trained to create an atmosphere of trust and confidence in patients while drawing blood specimens in a skillful and safe manner. The Phlebotomy Program integrates theoretical, practical and interpersonal skills providing the basis for the certificate recipient to work as an entry-level phlebotomist. Classroom learning is followed by a 120-hour internship that is performed, weekdays, in a clinical laboratory or other health care facility to provide the skills required of a certified phlebotomist. Fine motor skills and some mobility are required for students to successfully perform in most clinical facilities: drawing patient's blood in the inpatient and outpatient settings, processing specimens including operating mechanical and computerized equipment and performing clerical duties. Good communication skills are critical in dealing with patients, clients, physicians, nurses and other health care workers.

Applicants for the Phlebotomy Program must satisfy the general requirements for admission to the College. Students' health status must be compatible with the skills of the phlebotomist. Students are required to have proof of a medical examination, proof of immunity to infectious disease, health insurance and liability insurance before being scheduled for clinical internships. Students must be able to provide their own personal transportation to internships.

A criminal background check may be required for practicum and internship experience at the request of an agency and is the responsibility of the student.

Students who successfully complete this program are qualified for immediate employment and are eligible to sit for national certification examinations offered by several professional organizations.

Employment opportunities include, but are not limited to, hospitals, clinics, physicians' offices, laboratories, and blood banks.

Clinical experience will be arranged through the Medical Laboratory Science Department.

CERTIFICATE PROGRAM

FALL SEMESTER

		CL	LAB	CR
PHBC110	Phlebotomy.....	3	0	3

SPRING SEMESTER

		CL	LAB	CR
PHBC190	Phlebotomy Internship (PHBC110) (120 hours).....	0	0	3

- Co/prerequisites Required. See Course Descriptions

Program of Study is subject to change.

To register for PHBC190, Phlebotomy Internship, all of the following must be provided by December 15th.

- Confirmation of matriculation in program.
- Receipt of proof of immunity to infectious disease through documentation of titer or receipt of vaccines.
- Proof of health insurance.
- Completion of PHBC110 or ALHC126 with a "C" or better.
- Criminal Background Check.

All internship courses require a final grade of "C" or better for course completion.



Physical Therapist Assistant

(Day Program: Claremont)

Physical therapist assistants implement treatment procedures in the rehabilitation of injured, ill, or debilitated individuals. The Physical Therapist Assistant Degree program prepares individuals to work in the healthcare field under the direct supervision of a physical therapist in a variety of settings. Job opportunities exist for PTAs across the United States in a variety of settings. The program also prepares students for the PTA licensure examination in the student's respective state of practice. This Physical Therapist Assistant program at River Valley Community College, Claremont campus, is accredited by the Commission on Accreditation in Physical Therapy Education (CAPTE), 1111 North Fairfax Street, Alexandria, Virginia 22314; telephone: 703-706-3245; email: accreditation@apta.org; website: www.capteonline.org

Application deadlines: March 1 and July 1 for the following fall. This selective enrollment program requires additional application components. The selection process is competitive and space is limited. (See website for details of the application deadlines, application process, and PTA program application packet. www.rivervalley.edu. → "Find my Program" → "Physical Therapist Assistant" → "PTA Application Packet")

Requirements for application consideration: Applicants must meet certain academic standards. For specific details refer to the PTA program application packet (see website directions above) or through the Admissions office.

Transfer options: The PTA degree is considered a terminal degree and is not a stepping stone to the Doctorate in Physical Therapy (DPT) degree. A transfer agreement is in place with Franklin Pierce University (NH only DPT program) that allows PTA graduates to transfer credits towards a Bachelor degree. PTA graduates may also consider a variety of higher level degrees such as exercise physiology, athletic training, or other complementary health care programs. Consult with your academic advisor.

Special requirements: Applicants must meet all requirements for consideration before entering the program. PTA students are required to keep pace with the class and must take courses in sequential order. Students must meet technical standards, dress code standards, grade standards and additional requirements including immunizations, CPR certification, liability insurance, and a Criminal/Sexual Offender Records Information (CORI/SORI) check. The student will be responsible for those expenses. All courses in the PTA program require a grade of "C" in order to progress to the next level. All PTAC and AHLC courses are based on a 7-point scale (C=80). At selected points in the program, students must pass a comprehensive examination in order to progress. The PTA program combines classroom and laboratory work at the college with three full-time six-week supervised clinical education experiences. The Academic Coordinator of Clinical Education works with each student to assign appropriate clinical sites. Assignments depend on the availability of clinical sites. Students may be required to temporarily relocate or travel long distances. A car is required for personal transportation to all clinical education experience assignments. All courses in the PTA program must be successfully completed within 3 years unless special permission has been obtained from the program

director to continue for a fourth year. The testing of competencies is required after a leave of absence or a prolonged period of study. Please see the PTA program Student Handbook online for more information (follow directions noted above). Graduates must pass a national examination and satisfy licensing requirements in most states in order to practice legally under the supervision of a physical therapist.

Technical Standards required for applicant/students in the PTA program include motor, sensory, communication, behavior and critical thinking reflective of reflect reasonable expectations for performance of common physical therapy functions. Applicants are directed to the PTA section of the college website for more information.

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
SCIC201	Anatomy and Physiology I#	3	3	4
AHLC104	Introduction to Occupational Therapy/ Physical Therapy#	2	0	1
AHLC112	Clinical Conditions for OT/PT/MT#	3	0	3
PSYC114	Human Development	3	0	3
AHLC135*	Activities of Daily Living#	2	3	3
PTAC112*	Physical Therapy Procedures I	2	3	3

SPRING SEMESTER

		CL	LAB	CR
ENG102	College Composition I#	3	0	3
MTHCxxx	Mathematics Elective#	4	0	4
SCIC202	Anatomy and Physiology II#	3	3	4
AHLC123	Functional Kinesiology#	2	3	3
PTAC115	*Therapeutic Exercise#	2	3	3
PTAC122*	Physical Therapy Procedures II#	2	3	3

SUMMER SEMESTER

		CL	LAB	CR
PTAC190*	Clinical Education Experience I (6 wks) 224 hours#	0	0	5
PTAC192*	Clinical Education Experience I Seminar two 8 hour days#	1	0	1

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
ENGxxx	English Elective	3	0	3
XXXXxxx	Humanities/Fine Arts/World Language	3	0	3
PSYC101	Introduction to Psychology	3	0	3
AHLC210*	PT/OT Management#	2	0	2
AHLC220*	Clinical Neurology	3	0	3
PTAC211*	Physical Therapy Procedures III#	2	3	3

SPRING SEMESTER

		CL	LAB	CR
PTAC220*	Clinical Education Seminar# (four 8 hour days)	2	0	2
PTAC290*	Clinical Education Experience II# (6 wks) 240 hours	0	0	5
PTAC291*	Clinical Education Experience III# (6 wks) 240 hours	0	0	5

* Must be matriculated in professional program or receive special written permission from the Program Director or instructor.

- Co/prerequisites Required. See Course Descriptions
Program of Study is subject to change.

Respiratory Therapy

(Day Program)

Respiratory therapists are health care specialists who evaluate, test and treat people with breathing disorders. They are also a vital member of the hospital's emergency team, protecting the airway and adjusting life support equipment.

Working under the supervision of a physician, the Respiratory therapist will use oxygen, medications and various procedures to help the lung to function adequately. Some disorders that respiratory therapists treat include: asthma, emphysema, pneumonia, lung injuries and childhood lung diseases such as cystic fibrosis and upper airway infections.

The program combines both classroom and laboratory study at the College, along with supervised clinical affiliations with area hospitals. The program is designed to prepare the student to become a Registered Respiratory Therapist (RRT) after two years of study.

Admission requirements:

- Satisfy the general requirements for admission to the College.
- Obtain credits in high School Algebra, English and Chemistry.
- Interview with the Respiratory therapy faculty.
- Job shadow with a Respiratory therapist at a hospital.

The Respiratory therapy application process is competitive. Applications must be complete at the **latest** by **June 1st**. The class will be chosen in 2 stages. Early admissions will be examined and scored on March 1st and part of the class will be chosen at this time. The remaining class seats will be chosen by **June 1st**. If the class still has seats remaining, a final review and selection will take place by **August 1st**.

The Respiratory Therapy program is fully accredited by the Committee on Accreditation for Respiratory Care (CoARC) and has full accreditation through 2017.



Committee on Accreditation for Respiratory Care (CoARC)
1248 Harwood Rd., Bedford, TX 76021-4244 (817) 2836-2835

ASSOCIATE DEGREE PROGRAM

FIRST YEAR

FALL SEMESTER

		CL	LAB	CR
ENG102	College Composition I#.....	3	0	3
MTHCxxx	Mathematics Elective#.....	4	0	4
SCIC201	Anatomy and Physiology I#.....	3	3	4
RSPC110	Basics of Respiratory Care I#.....	3	3	4
RSPC121	Respiratory Physiology#.....	3	0	3
RSPC132	Pulmonary Evaluation I#.....	2	0	2

SPRING SEMESTER

		CL	LAB	CR
HUMCxxx	Humanities/Fine Arts/World Language Elective.....	3	0	3
SCIC202	Anatomy and Physiology II#.....	3	3	4
RSPC122	Basics of Respiratory Care II#.....	3	3	4
RSPC228	Cardiopulmonary Disease I#.....	3	1	4
RSPC140	Respiratory Care Pharmacology I.....	3	0	3

SUMMER SEMESTER

		CL	LAB	CR
RSPC115	Microbiology for Respiratory Care (Online)#.....	1	0	1
RSPC191	Clinical Lab I#.....	0	0	4

SECOND YEAR

FALL SEMESTER

		CL	LAB	CR
SOCCxxx	Social Science Elective.....	3	0	3
RSPC211	Critical Care Respiratory Therapy#.....	2	3	3
RSPC229	Cardiopulmonary Disease II#.....	3	1	4
RSPC233	Pulmonary Evaluation II#.....	2	0	2
RSPC281	Clinical Lab II#.....	0	0	4

SPRING SEMESTER

		CL	LAB	CR
ENG102	English Elective#.....	3	0	3
RSPC213	Neonatal and Pediatric Respiratory Care#.....	3	0	3
RSPC219	Advanced Care Seminar#.....	1	0	1
RSPC282	Clinical Lab III#.....	0	0	8

#Prerequisites & Co-requisites required.
See Course Descriptions.

Workforce Development

The following Workforce Development offerings are designed specifically for companies. Individual courses may be offered through the College, but the programs themselves are not open for general enrollment.

Advanced Machine Tool Technology

(Minimum enrollment of 10 for program to run)

The Advanced Machine Tool Technology Certificate is designed to offer students comprehensive technical training that provides an in-depth knowledge and understanding of the machine tool trade. This innovative, state of the art course of study leverages community resources in an effort to build and sustain a well-trained/well-educated workforce that will meet the machine tool industry needs of today and in the future.

Admission Requirements:

- General requirements for admission listed in the catalog
- High school credits in math and sciences (algebra and geometry suggested)
- It is highly recommended that students taking classes in this certificate program have proficiency in basic computer skills.

CERTIFICATE PROGRAM

		CL	LAB	CR
MTTC101	CNC I – G & M Code Programming (MTTC106 or POI).....	2	3	3
MTTC102	Blueprint Reading with GD & T.....	2	2	3
MTTC104	Machine Tool Math.....	3	0	3
MTTC105	Introduction to Inspection.....	2	2	3
MTTC106	Machining Processes I.....	3	2	4
MTTC201	CNCII – CNC Operations, CAM (MTTC101).....	3	2	4
MTTC204	Machining Processes II (MTTC106).....	3	2	4

Prerequisites and corequisites are listed in parentheses.

Graduates from this certificate program are encouraged to continue their studies by pursuing an Associate Degree in General Studies with a concentration in Advanced Machine Tool Technology. For details on this Associate Degree please contact the Program Director for consultation.



Applied Career Fundamentals for Advanced Manufacturing

The Applied Career Fundamentals for Advanced Manufacturing Certificate will prepare the student to enter the workforce in an entry level position. It is designed for the student who seeks immediate employment and who may continue their education and pursue an Associate Degree in manufacturing. Course/credit awarded in the Applied Career Fundamentals for Advanced Manufacturing Certificate may count towards a degree program at the issuing college. The colleges will agree to accept in transfer all 6 common core courses, and the 2 elective courses where applicable, through an articulation agreement.

BUSC101	Intro to Business	3 credits
ENG102	College Composition I	3 credits
BCPC101	Intro to Computer Applications.....	3 credits
MTHC112	Mathematics Investigations	4 credits
SCIC130	Physics I.....	4 credits
MTTC106	Manufacturing Processes I*	4 credits
BUSC102	Professional Communication.....	3 credits
MTTC102	Blue Print Reading with GD&T*	3 credits

* May substitute another MTTC course

Course Descriptions

ALLIED HEALTH CORE COURSES

AHLC103 Communication and Interpersonal Relationships

3 CREDITS

This course provides fundamental knowledge of effective communication techniques that are essential to developing interpersonal relationships. Content includes the communication process, levels of communication, barriers to communication, effective communication techniques, and interpersonal relationship skills.

AHLC104 Introduction to Occupational Therapy/Physical Therapy

2 CLASS HOURS/1 CREDIT

This course is designed to give the student an overview of the Occupational/Physical Therapy programs and professions. The history and development of the professions, scope of practice and roles of the health care personnel are discussed. Also reviewed will be professional competencies, role delineations of the PT, OT, PTA and OTA, review of case studies and practice models, medical abbreviations, safety issues, current issues and trends, and ethical and legal practice. (Prerequisite: Minimum Accuplacer Sentence Skills Score of 78 and Reading scores of 70 or ENG102 or equivalent.)

AHLC106 Introduction to Healthcare Research

3 CLASS HOURS/3 CREDITS

This course is geared for the student or health care professional who wants to become involved with healthcare research. Basic concepts are presented along with real-world examples. This course will address selected topics and statistical procedures that are common to medical research in general and specifically to allied health care. It is a goal of this course to aid the student to become an "educated consumer" of healthcare research. (Prerequisites: ACCUPLACER Sentence Score 78 (or above) and ACCUPLACER Reading Comprehension Score 70 (or above), or Permission of Instructor)

AHLC112 Clinical Conditions for Occupational/Physical Therapy

3 CLASS HOURS/3 CREDITS

Clinical disorders and diseases commonly treated by physical and occupational therapy are presented. Pathology, etiology, diagnosis, signs and symptoms and prognosis will be discussed. This course is designed to give a background on clinical conditions the PTA & OTA student will encounter during clinical education experiences/fieldwork. (Co/Prerequisites: SCIC201)

AHLC123 Functional Kinesiology

2 CLASS HOURS/3 LAB HOURS/3 CREDITS

This course is designed to give the student a basic understanding of normal human body movement as related to skeletal, articular, and muscular systems. Anatomical palpations and biochemical principles are also included. (Co/Prerequisite: SCIC201, Matriculation in OTA, PTA; or SCIC111 and MSTC101 and Matriculation in Massage Therapy)

AHLC135 Activities Of Daily Living

2 CLASS HOURS/3 LAB HOURS/3 CREDITS

This combined occupational therapy and physical therapy course shall introduce principles and techniques of client/patient handling and activities of daily living. Students have the opportunity to experience the basics needed for moving, positioning, planning and training clients for daily living management and mobility. Basic skills required of occupational therapy assistants and physical therapist assistants (as utilized in a variety of clinical settings with client/patients from various cultural and socioeconomic background) are most effectively learned experientially. These skills provide a strong foundation for future competence in treatment planning and implementation. This course is offered early in the

curriculum to introduce and focus on the individual with disabilities in society and in relation to practice. It is required for both OTA and PTA students to enhance team collaboration. (Co/Prerequisite: AHLC104, AHLC112 (exceptions require the approval of the Professors and the Program Director)

AHLC139 Introduction to Health Care Delivery

3 CLASS HOURS/3 CREDITS

This course is designed to introduce the learner to the United States health care delivery system. This content provides a foundation for practicing as a health care provider. Content will focus on exploring health care services, factors influencing health care delivery, financing health care, organizational structures within health care agencies, and the health care team. Emphasis will be on the role and functions of primary health care team members.

AHLC200 Clinical Taping for the Allied Health Clinician

2 CLASS HOURS/1 CREDIT

The allied health clinician may be treating patients with ligamentous sprains and muscular or tendinous strains. Knowledge of clinical taping/wrapping for edema control and musculo-skeletal support is a useful additional skill for those interested in working with patients with orthopedic or sports medicine clinical diagnoses. This occasionally-offered course will introduce indications, contraindications, and precautions for taping and wrapping, in addition to the necessary supplies and general considerations. The participant will learn taping and/or wrapping techniques for arch support, shin splints, ankle sprains, Achilles tendon strains, collateral ligament sprains of the knee, various toe, patello-femoral, hip and shoulder dysfunctions, and strains to the biceps, thumb, hamstrings tendons. (Prerequisites: AHLC123 or currently licensed PT/PTA or permission of instructor.)

AHLC201 Aquatic Therapy

3 LAB HOURS/1 CREDIT

This course focuses on the use of water as a therapeutic environment alternative to land based rehabilitation. Basic hydrotherapy physics, safety and rationale for aquatic therapy will be discussed. The course will also cover the fundamental techniques and the major aquatic therapy techniques commonly in use today. The student will have opportunity to practice these techniques in a pool setting, and devise a treatment plan progressing from aquatic therapy to land-based treatments. (Prerequisite: Matriculation in PTA program or currently licensed as a PT or PTA)

AHLC210 Physical Therapy/Occupational Therapy Management

2 CLASS HOURS/2 CREDITS

In interdisciplinary teams, students will employ the management process and how it relates to physical therapy and occupational therapy practice, employment acquisition, ethics, liability, and reimbursement. (Co/Prerequisite: OTAC190 or PTAC190)

AHLC220 Clinical Neurology

3 CLASS HOURS/3 CREDITS

Students will gain a basic understanding of the central nervous system and peripheral nervous system (with autonomic nervous system components) in regards to anatomy, neuro-development and function. The course will clarify the neural foundations for understanding human development, clinical neuropathology, neural screening/observation methods, and neuro-rehabilitation approaches. (Co/Prerequisites: SCIC201, SCIC202)

BUSINESS DEPARTMENT

ACCC101 Accounting I

3 CLASS HOURS/3 CREDITS

This course is designed to give the student a fundamental understanding of accounting principles. It covers the accounting cycle, accounting

systems, internal controls, specific journals, receivables and payables, the matching concept and the adjusting process, and accounting for a merchandising business.

ACCC102 Accounting II 3 CLASS HOURS/3 CREDITS

This course is designed to strengthen the student's accounting ability. It covers receivables and temporary investments, cash control, inventories, plant and intangible assets, payroll and payroll taxes, and contingent liabilities. (Co/Prerequisite: ACCC101)

ACCC103 Fundamentals of Accounting

3 CLASS HOURS/3 CREDITS

This course introduces the student to basic accounting principles – the accounting cycle, financial statements, subsidiary ledgers, banking procedures, payroll procedures, and computerized accounting.

ACCC105 Spreadsheets 2 CLASS HOURS/3 LAB HOURS/3 CREDITS

This course develops student skill in creating and maintaining business-oriented spreadsheets. Advanced topics include formulas, function, graphics, database manipulation, and report generation. Keyboard macros and other productivity enhancements are also presented. (Co/Prerequisite: BCPC101)

ACCC200 Intermediate Accounting 3 CLASS HOURS/3 CREDITS

This course will cover financial statement analysis, current and plant assets, and other assets. It also covers current, long-term and contingent liabilities, paid-in capital and retained earnings, and the cash flow statement. (Co/Prerequisite: ACCC203)

ACCC201 Accounting for Nonprofit Organizations

3 CLASS HOURS/3 CREDITS

This course will teach students basic information of not-for-profit accounting and its primary users: federal, state and local governments; hospitals; non-profit organizations and schools. Upon successful completion of the course, the student should be able to describe the primary funds and accounting groups, assist in the budget process, and practice variances among the major nonprofit organizations according to their authoritative pronouncements. (Prerequisites: ACCC102 or Permission of Instructor)

ACCC202 Accounting for Healthcare 3 CLASS HOURS/3 CREDITS

Accounting for Healthcare begins with an introduction to healthcare finance and a description of the current financial environment in which healthcare organizations function. It then will explore the basics of financial and managerial accounting, presenting concepts that are critical to making sound financial decisions to better the cost-effectiveness of the organization. (Prerequisites: ACCC102 or Permission of Instructor)

ACCC203 Accounting III 3 CLASS HOURS/3 CREDITS

This course is designed to further the student's accounting ability. It covers partnership and corporate accounting. It also covers stockholder equity, earnings per share and dividends, long-term liabilities and bonds, and the statement of cash flows. (Co/Prerequisite: ACCC102)

ACCC204 Introduction to Finance 3 CLASS HOURS/3 CREDITS

This course is designed to acquaint the student with the manner in which the financial system functions and with the techniques used to reach financial decisions. Major topics to be studied include financial markets, financial performance, securities valuation, capital budgeting, and asset management. A conceptual understanding of the financial decision-making process is developed. The importance of ethical behavior is considered throughout. (Prerequisites: ACCC102, BUSC101, MTHC106 or Economics)

ACCC212 Taxes 3 CLASS HOURS/3 CREDITS

This course covers the federal income tax laws relating to individuals, proprietorships, partnerships and corporations; tax forms and schedules will also be studied.

ACCC215 Cost Accounting 3 CLASS HOURS/3 CREDITS

This course covers the concepts of cost accounting as it relates to job - order systems, and process cost systems as well as profit analysis, budgeting and performance evaluation. (Co/Prerequisite: ACCC102)

ACCC216 Computerized Accounting

2 CLASS HOURS/4 LAB HOURS/3 CREDITS

This course covers small business accounting using QuickBooks Pro and Peachtree software. Topics include creating and maintaining a chart of accounts, recording customer and vendor transactions, processing payroll, maintaining inventory, recording adjustments and year-end procedures, printing reports and graphs, creating budgets and estimates, and exporting data to Excel. (Co/Prerequisite: ACCC101)

BCPC101 Introduction to Computer Applications

2 CLASS HOURS/3 LAB HOURS/3 CREDITS

This course provides the student with an introduction to and working proficiency with microcomputers. Computer literacy and familiarity with common commercial application software will be developed in a laboratory setting. It will feature the use of IBM-compatible hardware, the Windows operating system, Microsoft Office Suite (Word, Excel, Access, Powerpoint), and the Internet.

BCPC104 Word Processing

2 CLASS HOURS/3 LAB HOURS/3 CREDITS

This course provides a conceptual base for understanding the new office technology as advanced by electronic word processing systems and an application base for working on word processing equipment. It examines the kinds of information being processed today and develops analytical skills in the systems approach to communications. The course develops the basic techniques of word processing in the creation, deletion, editing, manipulation, and retrieval of files/documents on the microcomputer. It also introduces advanced printing formats for manuscripts and form letter maintenance and retrieval. (Co/Prerequisite: BUSC106)

BUSC101 Introduction to Business 3 CLASS HOURS/3 CREDITS

This course provides a framework for understanding business organizations and the relationships that exist in the areas of accounting, management, marketing, human resources, and production and distribution. The course focuses on the inter-relationship of the components and their role in the business process.

BUSC102 Business Correspondence 3 CLASS HOURS/3 CREDITS

This course develops and refines the student's punctuation, grammar, and business writing skills necessary to produce quality business documents.

BUSC104 Principles of Marketing 3 CLASS HOURS/3 CREDITS

The course examines the principles incorporated in the "market concept" as it relates to the performance of business activities directed toward and incident to, the flow of goods and services to customer or user. The course will introduce the student to the "marketing mix" which is composed of product, price, place, and promotion. Emphasis will also include planning, research and the organization of the marketing function. Environments included are consumer, industrial, profit, non-profit and global. (Prerequisite: BUSC101 or Permission of Instructor)

BUSC105 Business Math 3 CLASS HOURS/3 CREDITS

This course emphasizes common business math applications used to solve math problems dealing with banking, simple and compound interest, promissory notes, payroll, depreciation, insurance, annuities, inventory and overhead, markup/markdown, discounts, percents, taxes, and business statistics.

BUSC106 Keyboarding 3 LAB HOURS/1 CREDIT

This course emphasizes the development of typing skills necessary to function in today's business world. It develops skills in designing, formatting, and typing business letters, memos, short reports, and special information forms. This course will develop touch keyboarding skills and improve accuracy and speed for inputting alphabetic and numeric data.

BUSC110 Principles of Management 3 CLASS HOURS/3 CREDITS

This course provides a basis for the understanding and development of the skills needed to function productively as a manager and is intended as a base from which the student will be able to develop his/her own creative initiative with application to the challenges encountered by managers at all levels. Study of the aspects and techniques of planning, organizing and staffing, directing, and controlling is accomplished through lecture, discussion and case studies. Emphasis is placed on the quantitative aspects of management techniques. Other areas covered include: organizational characteristics, staffing, control techniques, total quality management, leadership characteristics, decision making motivation, and team development. Executing managerial responsibilities in both the profit and non-profit environments. (Prerequisite: BUSC101 or Permission of Instructor)

BUSC111 Leadership Training for Business Managers 3 CLASS HOURS/3 CREDITS

This course addresses leadership from three vantage points: the executive-level, the mid-level manager and the individual contributor or team leader. Each vantage point calls for competencies in the following leadership areas: Leadership Styles, Leadership influences on employee motivation, drive and commitment, Group Communication, Operational Leadership, Organizational Behavior, Managing Organizational change, Strategic Leadership, and performance management.

BUSC201 Human Resources Management 3 CLASS HOURS/3 CREDITS

The purpose of this course is to familiarize the student with the scope and content of the personnel function. Through case analyses and lectures, this course studies the relationship between operating and personnel managers in employment planning, staff recruitment and selection, management training and development, performance appraisal and compensation, and the promotion of equal employment opportunities. Examine the human resource function in implementing the overall strategy of the organization. (Co/Prerequisite: BUSC110 or Permission of Instructor)

BUSC202 Healthcare Management 3 CLASS HOURS/3 CREDITS

This course provides an overview of concepts and issues related to healthcare leadership and management. Through examination of management topics and healthcare situations, the student will explore the skills and knowledge needed to be successful in a diverse and every changing healthcare environment. Topics will include healthcare leadership, organizational design as it relates to the unique nature of healthcare organizations, managing professionals, performance improvement, teambuilding and teamwork, and diversity in the workplace. (Prerequisites: BUSC110 or Permission of Instructor)

BUSC204 Small Business Management 3 CLASS HOURS/3 CREDITS

A study of management techniques as applied to small business is covered in this course. Includes requirements necessary in launching a new venture and managing an ongoing business. Topics covered include business plan development, computer applications, human resources, purchasing, marketing, taxation, and risk management and control procedure. Requires students to develop a comprehensive business plan for a new venture of their choosing which is presented as both an oral and written proposal. (Prerequisites: BUSC101, BUSC104, BUSC110 or Permission of Instructor)

BUSC240 Business Law 3 CLASS HOURS/3 CREDITS

This course introduces the student to law as it relates to business and to consumers. It covers the federal and state court systems and administrative agencies. Emphasis is on civil law as it relates to contracts; however, crimes and torts, as well as commercial paper and types of business organization, will also be covered.

COMPUTER TECHNOLOGY**CPTC101 PC Assembly/Soft Skills 2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

This course is designed to teach the student Personal Computer architecture, the operation and interrelation of its internal components and peripheral devices, its memory organization, the Basic I/O (BIOS) system, and current DOS operating system. The content of this course is intended to reflect the objectives of the industry recognized A+ Certification.

CPTC103 Web Site Design 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This class will introduce the student to the fundamental information that is needed to develop and maintain an Internet web site. Course content will include fundamentals of web page design, developing for different web servers and browsers, developing familiarity with common web development tools (XHTML, graphics, and style sheets), site management and emerging web site considerations. (Prerequisites: BCPC101 or Permission of Instructor and Knowledge of Windows)

CPTC106 Communication Infrastructure 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course provides a hands-on guide to planning, designing, installing and maintaining the communication infrastructure media used to support voice and data communications which includes copper cabling, fiber optical cabling, and wireless media. The subject matter corresponds to that of industry wide structured cabling standards and the Certified Wireless Network Administrator (CWNA) certification. This course covers network and telecommunications cabling standards and procedures with particular emphasis on copper and fiber optic cabling. Topics include safety considerations, signals and wires, copper media, fiber optic media, testing fiber optic cables, cabling system components, structured cabling, cabling tools, installation techniques, rough-in phase, trim-out phase, finishing and customer support phases. Creating requests for proposals and cabling case studies are also discussed. The course also offers an in-depth coverage of wireless networks with extensive step-by-step coverage of IEEE 802.11b/a/g/pre-n implementation, design, security, and troubleshooting. Material is reinforced with online projects using equipment from two of the principal wireless LAN vendors, Cisco, and Linksys.

CPTC109 IT Ethics 3 CLASS HOURS/3 CREDITS

The concept of ethics is a very diverse and complicated subject area. Individuals in the IT field are faced with a plethora of ethical dilemmas and without a solid foundation, handling these dilemmas could become overwhelming. This course provides students with the fundamentals skills needed to operate in the IT field in an ethical manner. Students will learn their legal responsibilities as IT professionals, as well as, the ramifications associated with failing to follow the guidelines of industry accepted ethical behavior. Students will learn how IT Ethics are integrated throughout the Global E-World. Students will gain an understanding of how and why ethics are important, especially in the field of Information Technology. This course examines a variety of topics ranging from Intellectual property and privacy rights through censorship and pornography.

CPTC110 Networking I 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course introduces the basic concepts and principles that underlie computer networking using the Open Systems Interconnection (OSI) model and the TCP/IP protocol suite. Students will learn entry level home network installation technician skills. It presents an overview of networking terminology, examines different networking topologies and architectures, discusses the physical components of computer networks and reviews the principles of network connectivity. It also examines the implementation through design and installation of simple Ethernet networks.

CPTC120 Networking II 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course is a continuation of Networking I, with increased focus on the installation and configuration of local and wide area networks in

a small to medium business environment or Internet Service Provider (ISP). Topics include an introduction to routing using the Cisco IOS, expanded OSI model, Help Desk, Network Upgrades, expanded IP sub-netting and the purpose and responsibilities of the Internet Service Provider (ISP). (Prerequisites: CPTC110)

CPTC125 Application Programming

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course provides students with the skills and knowledge to plan, enter, refine, and debug programs that solve typical business problems. The finished programs are compiled and packaged into stand-alone applications, which are then installed on personal computers for use by office workers who may have minimal computer skills. Although Visual Basic is used exclusively in the course, as students build complete, real-life, multiple-form applications, they learn fundamental programming concepts and techniques used in all programming languages. This is an introductory course and as such assumes no prior programming experience. (Prerequisite: BCPC101 or Permission of Instructor)

CPTC150 Data Structures and Algorithms

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course provides a hands-on guide to understanding and implementing data structures and algorithms in a computer programming environment. Theories learned in this course will provide the foundation for understanding and working with future programming languages in a professional programming environment. Concepts are theoretical but will be applied through hands on implementation. (Prerequisites: CPTC125)

CPTC175 Introduction to C++

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

In this course students will develop a basic understanding of the C++ programming language. Students will be able to design and implement simple programs dealing with numerical and string processing. They will be familiar with rudimentary input and output operations, algebraic manipulations, logical expressions and string manipulations. Students will also be exposed to the C programming language, which is a subset of the C++. In particular the students will learn bit manipulations. (Prerequisites: Accuplacer Sentence Skills Score of 78 and CPTC125 for Website Design students or permission of program director)

CPTC185 Introduction to Java

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

The Java programming language opens the doors to a cross platform Web-based programming. The students will reinforce their basic programming skills and apply them to the Internet environment. The students will learn how to develop applications and applets, how to add active content to their Web pages and how to respond to user initiated events. They will learn how to develop Web user interfaces in a dynamic and responsive way. They will examine client server programming. All this will be accomplished in an Object Oriented Programming environment using Java SDK. (Prerequisites: CPTC175 and Accuplacer Sentence Skills Score of 78 or Permission of Instructor)

CPTC186 Introduction to Operating Systems

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course provides the student with a comprehensive understanding of the multiple operating systems commonly found in the Information Technology field today. The student will learn the theory behind operating systems and some basic to advanced components of each operating system. The course walks the student through current hardware and how it interacts with operating systems. The student will learn basic functions and design of file systems found in Windows, UNIX, and Macintosh operating systems. This course also discusses how operating systems interface with input, output, and storage devices. The student will learn basic network theory and how to set up network resources through the multiple versions of software. There are many hands-on projects and case projects that provide the student with real experience in supporting multiple operating systems.

CPTC197 Relational Database Design with SQL

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course provides a conceptual base for creating and utilizing relational databases. Students initially learn how to divide raw data parameters into tables and columns according to accepted rules of Third Normal database analysis. The students will create a multi-table computerized database suitable for standalone or web implementation. Both graphical and command line SQL methods of creating relational databases will be used. (Prerequisites: BCPC101 or Permission of Instructor)

CPTC203 Introduction to UNIX

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

The student will be able to perform ordinary tasks in the UNIX operating systems. This would include user management, managing files and directories, use of and editor, executing commands and managing processes. The student will also learn to customize the work environment, use UNIX utilities and learn simple scripting. (Prerequisite: BCPC101, knowledge of Windows, or Permission of Instructor)

CPTC204 Administering Windows Servers

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

Network Technicians are called upon to manage, troubleshoot, install, and configure network servers, clients and peripheral devices. This course presents the skills needed to implement, maintain and protect a Microsoft Windows Server Domain. The course offers the students the "hands on" opportunity to exercise network management skills and the conceptual background within which these tasks are carried out. (Prerequisite: CPTC110 for CPTC students or CYSC125 for CYSC students.)

CPTC212 Computer Network Security

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course offers in-depth coverage of all current risks and threats to an organization's data along with a structured way of addressing the safeguarding of these critical electronic assets. It provides the theoretical and historical background necessary to understand the various types of risks as well as the hands-on, practical techniques for working in the security field. This course is intended to serve the needs of individuals interested in understanding the field of computer network security and how the field relates to other areas of Information Technology. The material in this course will provide the broad-based knowledge necessary to prepare students for further study in specialized security fields.

This course is also intended to serve the needs of individuals seeking to pass the hands-on, practical techniques for working in the security field. This course is also intended to serve the needs of individuals seeking to pass the Computer Technology Industry Association's Security+ certification exam. (Prerequisite: CPTC110 or Permission of Instructor)

CPTC213 Computer Graphics – Adobe I

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

Computer Graphics – Adobe I is intended for a course that offers an introduction to Photoshop image editing and Dreamweaver. No previous experience with Adobe Photoshop CS5 is assumed, and no mathematics beyond the high school freshman level is required.

CPTC214 Web Animation – Adobe II

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

In Illustrator Essential Training, students learn the basics of this application to new and experienced users alike. Then delve into Illustrator new features, demonstrating how to use each of the tools to its full potential. From the interface to the intricacies of the drawing tools, from transforming, editing, and positioning objects to applying filters and live effects, Illustrator Essential Training covers each aspect of this popular vector graphics application. Exercise files accompany the training. In Flash Professional Essential Training, students delve into the key aspects of working with Flash to create professional animations, design interactive websites, and incorporate audio and video into self-contained presentations. The training covers using the drawing and color tools, mastering the essentials of animation, and working with type, graphics, sound, and video. Exercise files accompany the tutorials.

CPTC217 Web Database Programming**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

The student is introduced to programming using internet scripting technology in a server environment. This course focuses on the fundamentals of scripting and how to program applets and applications for use on the Internet as well as database connectivity to the Internet. (Prerequisites: CPTC103 and CPTC175)

CPTC220 Storage and Virtualization**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

This course provides students with the foundations of storing, managing and protecting digital data. Students are also introduced to the concepts associated with server and storage virtualization. Emphasis is placed on understanding how to design, implement and manage virtual servers and local, remote and virtual storage networks. (Prerequisites: CPTC204)

**CPTC223 Advanced Programming Seminar****2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

This course enhances the student's understanding and skill in the use of compiled and structured programming languages such as Visual Basic, Java and C++. This course introduces students to legacy programming languages such as COBOL and FORTRAN. Techniques such as data structures, library files and extended functions are covered in accordance with modular programming principles. Object-oriented programming theory and skills are applied with particular emphasis on classes, members, functions, and inheritance. Database dataset access and Web integration are covered to increase the student's ability to manipulate data through programming. (Prerequisites: CPTC125, CPTC175, CPTC185 and CPTC197)

CPTC235 Networking III 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

This course is a continuation of Networking II, with increased focus on the installation and configuration of local and wide area networks. Topics include physically connecting LANs and WANs to Cisco routers, implementing static and dynamic routing using the Cisco IOS and troubleshooting routing problems. Access Control Lists provide an introduction to the creation of firewalls. Classful and classless routing protocols like RIP v1, RIP v2, single area OSPF, and EIGRP will be thoroughly covered. In addition to basic switch configuration, Virtual LANs are created and trunking is implemented between switches. WAN services such as T1, ISDN, Frame Relay and PPP are examined. (Prerequisite: CPTC120)

CPTC240 Networking IV 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

Network Technicians are responsible for evaluating the computer network needs of new and existing customers. The information gathered is then used to design and propose a network solution suited to the customer's needs. This course is designed to teach students how to analyze a client's computer network needs and then design a suitable end product. Furthermore, students will learn how to properly create a project proposal. (Prerequisite: CPTC235)

CPTC296 Capstone Course**3 CREDITS**

This course is designed to have students completely integrate every aspect of their prior learning into a final cumulative project. Each student will design, implement and present a project that falls within the specialty area of their matriculated degree path- Computer Networking or Website Design. Each project will be of the utmost quality and demonstrate a significant knowledge in the student's specialty area. (Prerequisite: Degree specific: All CPTC, CYSC or Cybersecurity and Healthcare IT courses associated with the Web Design or Computer Networking Technology or Permission of Instructor.)

CYBERSECURITY AND HEALTHCARE IT**CYSC101 Principles of Information Assurance****2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Students will be introduced to basic security principles, giving the student an understanding of the current threats and vulnerabilities of the cyber landscape, plus other topics relating to the information assurance field. (Prerequisites: CPTC101 or POI)

CYSC110 Topics in Healthcare Information Technology**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Healthcare organizations have unique Information Technology requirements that require uniquely qualified IT professional to ensure the security of the Healthcare IT systems. This course provides the IT professional with the required knowledge to adequately traverse the vastness of the Healthcare IT environment.

CYSC120 Network Security 2 CLASS HOURS/2 LAB HOURS/3 CREDITS

Students will learn about network communications from a security standpoint and perform laboratory assignments in securing networks and Operating Systems. Introduces Cisco and other networking systems and related importance to Healthcare IT. (Prerequisite: CYSC101)

CYSC125 Fundamentals of Computer Networking**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Cybersecurity specialists are required to have a solid foundation in computer networking. This course provides a high level examination of computer networking through the introduction of the Open Systems Interconnection (OSI) model, the TCP/IP protocol suite, routing and switching protocols, Wide Area Network services, and network design & implementation. This course is designed to teach students how a network works, and how the network, and its services, impacts the security architecture of an organization.

CYSC130 Enterprise Security Management**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Students will understand the principles of risk management, security architectures, incident handling, disaster recovery, and secure systems administration. (Co/prerequisite: CYSC120)

CYSC140 Secure Electronic Commerce**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Students will learn about the history, present, and future of electronic commerce in the world. The student will also learn about the threats, vulnerabilities, and policies when dealing with commerce in the electronic age. (Co/prerequisite: CYSC130)

CYSC200 Electronic Medical Records Systems & Information Assurance Certification and Accreditation Process (EMRS/IACAP)**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Cybersecurity specialists working in the Healthcare field must have a thorough knowledge of the Electronic Medical Record System (EMRS) and the Information Assurance Certification and Accreditation Process (IACAP). As medical records continue to transition into electronic forms, the Healthcare IT profession needs to be aware of how the data is used and stored by software. Additionally, the Healthcare IT professional

needs to be able to assess the entire IT system and ensure that the system is hardened against attack while meeting industry accreditation and certification standards. (Prerequisite: CYSC110)

CYSC250 Digital Forensics

2 CLASS HOURS/2 LAB HOURS/ 3 CREDITS

Students will learn procedures on tracking, analyzing, and patching security holes after an incident has occurred. This will include seizure of equipment, analysis of confiscated materials and follow up procedures relating to the incident. (Prerequisites: CYSC140 and Membership in Infragard, an FBI sponsored organization)

CRIMINAL JUSTICE

CRJC101 Introduction to Criminal Justice

3 CLASS HOURS/3 CREDITS

This course provides an overview of the American criminal justice system including its roles and expectations of criminal justice professionals, theories of crime causation, crime and punishment philosophy, ethics, and multicultural awareness.

CRJC102 Criminal Procedure

3 CLASS HOURS/3 CREDITS

This course includes the case analysis of the development of Federalism, the separation of powers, the role of federal and state courts in constitutional development, and contemporary development and control.

CRJC110 Public Administration

3 CLASS HOURS/3 CREDITS

This course discusses the growth of the public sector and the methods by which this sector can be managed. Topics include public management techniques, effective decision-making, civil service, budgeting, public organizations, and the politics of public sector administration.

CRJC111 Criminal Law

3 CLASS HOURS/3 CREDITS

This course will explore the history and development of criminal law as a form of social control. Included is the evolution of criminal law from civil law and the relationship between common and statutory criminal law. Emphasis is given to the substantive aspect of criminal law and how it differs from civil law.

CRJC112 Introduction to the Juvenile Justice System

3 CLASS HOURS/3 CREDITS

The nature and extent of juvenile crime, delinquency causation theories, juvenile offender typologies, the juvenile justice process from petition through termination, and institutional and community-based treatment options are examined in the course.

CRJC201 Criminology

3 CLASS HOURS/3 CREDITS

An in-depth analysis and evaluation of criminal behavior. Street crime, organized crime and occupational crime will be discussed. The student will learn to investigate, categorize, and describe the theories of criminality and social control.

CRJC203 Correction Operations

3 CLASS HOURS/3 CREDITS

This course is a study of correctional processes and services, standards, personnel and principles of management; allocation of resources, training and staffing; the role of sentencing and work release programs; special programs and the use of outside contracts.

CRJC204 Crisis Intervention in Criminal Justice

3 CLASS HOURS/3 CREDITS

This course focuses on the emotional aspects of individuals involved in a crisis situation. Coverage is given to the theory and management of specific situations such as stress, death and dying, drug abuse, suicide, sexual assault, disasters and violence. Consideration is also given to the functions and legalities of the mental health system. (Prerequisite: PSYC101)

CRJC205 Forensic and Scientific Aspects of Evidence

3 CLASS HOURS/3 CREDITS

This course emphasizes the interdisciplinary relationship among forensic experts in the pursuit of justice, which includes the investigation and prosecution of criminal cases, as well as the exoneration of wrongfully convicted innocent persons. Behavioral, natural, and physical sciences and their role in achieving due process and just results in the court room will be examined.

CRJC210 Drugs and the Law

3 CLASS HOURS/3 CREDITS

In the first part of this course, the historical use of the major drug groups (including alcohol) will be reviewed. In the second part, the reaction of the criminal justice system to illegal involvement with drugs and alcohol and methods of treating substance abusers will be reviewed.

CRJC211 Justice and the Community

3 CLASS HOURS/3 CREDITS

This course deals with the interaction of the various components of the justice system with the community. It involves an analysis of the way the work of police departments, courts, correctional institutions and community corrections agencies appear to the public. The image of the justice system in the media is examined: specific attention is paid to the issues of the young minorities and community organizations.

CRJC212 Criminal Justice Communication

3 CLASS HOURS/3 CREDITS

This course provides students with the foundation skills, knowledge and abilities required to present effective criminal justice reports, proffer testimony at pre-trial, trial, and post conviction hearings, and prepare APA compliant research documents. (Prerequisites: CRJC101, or Permission of Instructor)

CRJC290 Criminal Justice Internship

9 LAB HOURS/3 CREDITS

The student will spend 120 hours of individual instruction and guidance at an approved internship site in addition to lectures within the classroom setting. (Pre/Co-requisites: completion or enrollment in all other CJ courses.)

CRJC291 Criminal Justice Senior Project

3 CLASS HOURS/3 CREDITS

In this course, through on-going and individualized contact with the supervising instructor, the student develops a topic pre-approved through a prospectus presented to the instructor. The student may develop any topic raised in any major class and is not limited by category. Empirical studies, surveys, literature reviews are among the acceptable categories of research. The final grade is determined by a review of the final product and the extent to which the student has followed the course outlines. (Pre/Co-requisites: completion or enrollment in all other CJ courses.)

DEPARTMENT OF INSTRUCTIONAL SERVICES

***ISVC010 Success Strategies**

1 CLASS HOUR/1 CREDIT

This course is designed to increase the student's ability to succeed in a learning environment. Focus will be on assisting the student to develop academic, social, and interpersonal skills. The content will include: communication, organizational and time management skills, learning styles, and study skills strategies. College and community resources, along with issues related to a healthy lifestyle, will also be discussed. A variety of teaching methodologies will be used to facilitate the learning process. (Prerequisite: Accuplacer Reading score of 38 or completed waiver form or Permission of Instructor)

***ISVC011 Reading Strategies**

3 CLASS HOURS/3 CREDITS

This is a preparatory course designed to develop the comprehension skills, critical thinking skills and vocabulary skills necessary for read-

ing college level materials and textbooks. Credits do not apply toward degree requirements. (Prerequisites: Accuplacer Reading score of 38, Sentence Skills score of 42, or completed waiver form)

***ISVC/K017 Fundamentals of Mathematical Literacy I**

2 Class Hours/2 Credits

Fundamentals of Mathematical Literacy I is a course that develops students' problem-solving and logical reasoning skills to prepare them for Fundamentals of Mathematical Literacy II. Topics addressed include numeracy, proportional reasoning, geometry and measurement, and equality. Upon completing Fundamentals of Mathematical Literacy I and II, students will be prepared to enter Statistics I, Mathematical Investigations, or other introductory Liberal Arts mathematics courses. The course is student centered and focuses on developing quantitative literacy skills through activity-based instruction that integrates technology (e.g., graphing technology, manipulatives) and emphasizes the conceptual understanding of the mathematical concepts studied. Much of the course will focus on the misconceptions that students have developed over their mathematical careers. Multiple assessments tools will be used to measure the course competencies and may include on-going formative assessments, portfolios, quizzes, exams, and projects/investigations. (Prerequisites: At least limited proficiency in Computations with Integers and Fractions on the diagnostic arithmetic Accuplacer exam; OR written permission of instructor or authorized Department of Instructional Services staff or mathematics coordinator.)

***ISVC/K018 Fundamentals of Mathematical Literacy II**

2 CLASS HOURS/2 CREDITS

Fundamentals of Mathematical Literacy II is a course that develops students' problem-solving and logical reasoning skills to prepare them for credit-bearing mathematics courses. Topics addressed include algebraic reasoning, graphing, linear equations and introductory statistical topics. Upon completing Fundamentals of Mathematical Literacy I and II, students will be prepared to enter Statistics I, Mathematical Investigations, or other introductory Liberal Arts mathematics courses. The course is student centered and focuses on developing quantitative literacy skills through activity-based instruction that integrates technology (e.g., graphing technology, manipulatives) and emphasizes the conceptual understanding of the mathematical concepts studied. Much of the course will focus on the misconceptions that students have developed over their mathematical careers. Multiple assessments tools will be used to measure the course competencies and may include on-going formative assessments, portfolios, quizzes, exams, and projects/investigations. (Co/prerequisites: Proficiency in Computation with Integers and Fractions, Computation with Decimal Numbers, Problems involving Percent, AND at least limited proficiency in Estimation, Ordering, and Number Sense on the diagnostic arithmetic Accuplacer exam; OR successful completion of ISVC017 Fundamentals of Mathematical Literacy I (C or higher); OR written permission of instructor or authorized Department of Instructional Services staff or mathematics coordinator.)

***ISVC019 Fundamentals of Mathematical Literacy for STEM fields**

4 CLASS HOURS/4 CREDITS

(STEM – Science/Technology/Engineering/Mathematics)
Fundamentals of Mathematical Literacy for STEM fields is a developmental mathematics course that develops students' problem-solving and logical reasoning skills to prepare them for credit-bearing mathematics courses needed for STEM fields. Topics addressed include introduction to functions, polynomials, linear and quadratic functions and equations, basic geometric topics, and introductory statistical concepts. Upon completing Fundamentals of Mathematical Literacy for STEM, students will be prepared to enter Functions and Modeling I (college-algebra and trigonometry course), or other introductory Liberal Arts mathematics courses. The course is student centered and focuses on developing quantitative literacy skills through activity-based instruction that integrates technology (e.g., graphing technology, manipulatives) and emphasizes the conceptual understanding of the

mathematical concepts studied. Much of the course will focus on the misconceptions that students have developed over their mathematical careers. Multiple assessments tools will be used to measure the course competencies and may include on-going formative assessments, portfolios, quizzes, exams, and projects/investigations. (Co/Prerequisites: At least a 53 on the elementary algebra Accuplacer exam AND a composite score of 50 or higher on the diagnostic arithmetic Accuplacer exam; OR successful completion of ISVC018 Fundamentals of Mathematical Literacy II (C or higher); OR written permission of instructor or authorized Department of Instructional Services staff or mathematics coordinator.)

***ISVC030 Introduction to Chemical Principles**

2 CLASS HOURS/2 CREDITS

This course is a conceptual introduction to the basic principles related to the structure of matter and the nature of chemical reactions. Particular attention will be given to the types of reactions that apply to the health field. Since this course is high school level chemistry course, credits earned will not count towards graduation requirements.

***ISVC040 Foundations of Information 1 CLASS HOUR/1 CREDIT**

This course is an introduction to understanding the many mechanisms of information available to us and their uses in support of academic success and high standards of evidence.

***ISVC098 Introduction to College Composition**

3 CLASS HOURS/3 CREDITS

Students taking Introduction to College Composition learn to utilize the steps of the writing process including pre-writing, drafting, revising, and proofreading. To stimulate an interest in writing and the writing process, students are encouraged to write on topics that are personally meaningful. Using both short and full-length writing assignments, students concentrate on finding unity, logical order, and clarity in their writing. In addition, students are re-introduced to many of the fundamental concepts of writing via a review of parts of speech, grammar, mechanics, and proper sentence construction. Furthermore, emphasis is placed on developing sentence variety, eliminating awkward and wordy constructions, and identifying incomplete and incorrectly joined sentences, students taking Introduction to College Composition must receive a grade of C or better to advance to College Composition I. (Co/Prerequisites: Appropriate Accuplacer Reading score of 38 and Sentence Skills score of 42)

***ISVC110 Service Learning Experience I 1 CLASS HOUR/1 CREDIT**

This course will engage students in service experiences within the community. Service Learning is the integration of service and learning where each is valued as necessary for the other. It is a way of learning that takes place through and within the performance of meaningful community service. The focus of the service projects will be to facilitate and enhance academic learning. Students will commit to a sustained community service project with the approval of faculty for a minimum of 16 hours in the semester. A variety of teaching methodologies will be used to facilitate expression of new learning. A summative portfolio will be used to provide evidence of project success and learning.

***ISVC111 Service Learning Experience II**

1 CLASS HOUR/1 CREDIT

This course will be a continuation of the Service Learning experience for students who have successfully completed ISVC110. This course will allow students to continue to support an established service project and or mentor beginning Service Learning students. The student will commit to a sustained community service or mentoring objective for a minimum of 12 hours over the course of one semester. A variety of teaching methodologies will be used to facilitate expression of new learning. A summative portfolio will be used to provide evidence of project success, learning and or leadership experiences. (Prerequisite: ISVC110 or Permission of Instructor)

ISVC112 Service Learning Experience III*1 CLASS HOUR/1 CREDIT**

This course will be a continuation of the Service Learning experience for students who have successfully completed ISVC110 and 111. This course will allow students to continue to support an established service project or mentor new Service Learning students in organizing and implementing Service Learning experiences. The student will commit to a sustained community service or mentoring objective for a minimum of 16 hours over the course of one semester. Students will participate in reflection seminars that will take place throughout the semester. A variety of teaching methodologies will be used to facilitate expression of new learning. A summative portfolio will be used to provide evidence of project success, learning and or leadership experiences. (Prerequisite: ISVC110, ISVC111 or Permission of Instructor)

*** Credits do not count toward graduation requirements.**

EARLY CHILDHOOD EDUCATION**EDUC101 Foundations of Early Childhood Education****3 CLASS HOURS/3 CREDITS**

An overview of the historical and philosophical roots of the early childhood education profession, this course includes a survey of models of early care and education as well as the range and diversity of early childhood programs. Current issues and trends along with challenges and opportunities within the field are highlighted. The multi-faceted role of the early childhood educator will be emphasized.

EDUC102 The Growth and Development of the Young Child**3 CLASS HOURS/3 CREDITS**

This course examines the growth and development of young children, birth through age 8 years. Sequences of development within the following major domains are studied: physical/motor, emotional/social, and cognitive/language/literacy development. In addition, individual differences and multiple, interacting influences on children's growth and development are considered.

EDUC103 Health, Safety, and Nutrition For The Young child**3 CLASS HOURS/3 CREDITS**

An in-depth look at the inter-relationship between health, safety and nutrition issues in early childhood educational settings, this course explores the knowledge and skills early childhood educators need in order to promote the well-being of young children, birth through age 8 years. Topics covered include health promotion, educational experiences, communicable illnesses, safety management, and meals and food safety.

EDUC104 Curriculum For Early Childhood Care and Education**3 CLASS HOURS/3 CREDITS**

An exploration into the process of early childhood planning, with special emphasis on the role of environment, curriculum theories, approaches, and trends, and ongoing observation and documentation. Attention is paid to selecting and developing suitable materials, along with developmentally appropriate practices. The cycle of planning, implementing, and evaluating learning experiences is examined and practiced. This course will enhance the student's ability to work creatively in all curriculum areas. (Prerequisite: EDUC101, EDUC102, or permission of program director)

EDUC105 Children With Special Needs and Their Families**3 CLASS HOURS/3 CREDITS**

This course will examine the child with a special need in the family context and in an inclusionary child care setting. It will provide an overview of the most common exceptionalities and the standard interventions relating to them. Emphasis will be on observation, screening, assessment, family-centered early supports and services, natural environments, individualized education plans, inclusive education, community resources, and family issues. (Prerequisite: EDUC102 for Early Childhood Education students)

EDUC190 Practicum I**1 CLASS HOUR/3 CREDITS**

This course provides the student with direct, experiential learning in an early childhood care and education setting. Under the supervision of a cooperating teacher, the student will be actively involved in all aspects of the early childhood environment. Emphasis will be placed on the student's interactions with children. In addition, students will begin to develop their interactions with colleagues and with families. A minimum of 90 hours will be completed at the practicum site. Periodic meetings with the practicum instructor and other practicum students will provide opportunity for discussion of and reflection upon the practicum experience. (Pre-requisites: EDUC101, EDUC102, EDUC103, EDUC104, or Permission of Program Director)

EDUC191 Work Experience Practicum I**1 CLASS HOUR/3 CREDITS**

This course is designed to provide an opportunity for the student who is currently employed full-time in the early childhood field to receive college credit for his/her experience. The student must be currently employed in either a licensed or licensed exempt program. Working with an onsite mentor and the practicum instructor, the student will focus on enhancing his/her role as a professional at the work site. Emphasis will be placed on active involvement in all aspects of the early childhood environment and interactions with children, colleagues, and families. Periodic meetings with the practicum instructor and other practicum students will provide opportunity for discussion of and reflection upon the practicum experience. (Pre-requisites: EDUC101, EDUC102, EDUC103, EDUC104 or Permission of Program Director)

EDUC200 Developmentally Appropriate Programs for Infants and Toddlers**3 CLASS HOURS/3 CREDITS**

This course is an in-depth study of quality infant/toddler care and education. Principles related to environments, caregiving practices, curriculum, and programmatic issues are explored. In addition, the growth and development of infants and toddlers, birth to age three, is examined. Special emphasis on relationships is woven throughout the course. (Prerequisite: EDUC102 or permission of program director.)

EDUC201 Organization and Management in Early Childhood Education**3 CLASS HOURS/3 CREDITS**

A survey of organization and management of early childhood programs and/or child care centers. Emphasis will be on learning how to plan, organize, manage and evaluate programs and facilities for children; exploring the dimensions of record keeping; federal and state funding; licensing procedures; hiring, motivating and evaluating staff; and parent involvement.

**EDUC203 Early Language & Literacy Development****3 CLASS HOURS/3 CREDITS**

This course examines the early language and literacy development of young children, birth through age 8. Students will explore the environments and experiences that support and foster young children's abilities to listen, speak, read, and write. Special emphasis will be given to the multiple roles and responsibilities of an effective early childhood educator.

**EDUC204 Status of Childhood
in America****3 CLASS HOURS/3 CREDITS**

What is the current status of childhood in America today and how has childhood changed over time? Using knowledge from multiple disciplines, this course will examine the context of and significant factors influencing young children and their families. Major topics explored will include the media, technology, issues related to gender and equity, changes in children's play, and public policy. Students will examine what research reveals about optimal child outcomes and will identify specific strategies early childhood professionals can use to advocate for and to support positive child development and healthy family functioning. (Prerequisite: EDUC101, EDUC102)

**EDUC206 Developmentally Appropriate Programs
for School Age Children****3 CLASS HOURS/3 CREDITS**

The role and responsibilities of early childhood educators and child care providers in creating developmentally appropriate experiences for school-age children will be addressed. Discussion will include an integrated approach to language, reading, math and science and the arts for the primary classroom and activities such as clubs, projects, hobbies, music games and other themes suitable for after-school care programs. The importance of communication in building partnerships between home, school and community will be emphasized.

EDUC220 Practicum Seminar**2 CLASS HOURS/2 CREDITS**

This course together with either Practicum II or Work Experience Practicum II forms the associate degree student's capstone experience. The student will synthesize his/her understanding of early childhood education and develop a personal philosophy of teaching. In addition, the student will engage in collaborative and collegial exchanges with other seminar participants. Finally, the student will complete a degree portfolio. (Co/Pre-requisites: EDUC190 or EDUC191 Work Experience Practicum I; EDUC290 or EDUC291 Work Experience Practicum II)

EDUC290 Practicum II**3 CREDITS**

The student will increase his/her involvement in an early childhood care and education setting under the supervision of a cooperating teacher. Emphasis will be placed on planning, implementing, and evaluating a developmentally appropriate curriculum. In addition, students will develop and refine their interactions with children, colleagues, and families. A minimum of 135 hours will be completed at the practicum site. (Co/Pre-requisites: EDUC190 or EDUC191 Work Experience Practicum I minimum grade of C; EDUC220)

EDUC291 Work Experience Practicum II**3 CREDITS**

This course is designed to provide an opportunity for the student who is currently employed full-time in the early childhood field to receive college credit for his/her experience. The student must be currently employed in either a licensed or licensed exempt program. Working with an onsite mentor and the practicum instructor, the student will focus on enhancing his/her role as a professional at the work site. Emphasis will be placed on planning, implementing, and evaluating a developmentally appropriate curriculum. In addition, the student will develop and refine his/her interactions with children, colleagues, and families. (Co/Pre-requisites: EDUC190 or Work Experience Practicum I (EDUC191) minimum grade of C; EDUC220)

EDUC124 Family Child Care Curriculum and Environment**3 CLASS HOURS/3 CREDITS**

An in-depth look into the home environment and the process of early childhood planning for multi-age groupings of children through age eight. The role of the environment as well as various curriculum programs will be explored and evaluated. Emphasis will be placed on developing positive growth in children through instructional and play materials, along with methods of evaluating the environment to ensure optimal opportunities for nurture and play. Participants will experience and broaden their own creativity and imagination through learning activities that can be applied to their home settings.

EDUC130 Family Child Care Business Management**3 CLASS HOURS/3 CREDITS**

This course will review the fundamentals of sound business practices as they relate to the running of a successful Family Child Care business. Emphasis will be on designing of business plans, budgeting, insurances, effective business policies, contracts, pricing, marketing, customer relations, purchasing, financial, legal, and Licensing regulations and reports, small business management and related record keeping.

ENGINEERING**EGRC101 Introduction to Engineering****2 CLASS HOURS/2 CREDITS**

Introduction to Engineering provides students with an overview of various Engineering disciplines to assist them in making well-informed career choices in the profession. Key topics include exploring the nature of the field and career opportunities in civil, chemical, electrical, mechanical, and other major disciplines. Also covered, are tools of technical communication, recording and analyzing data, dimensional analysis, computational techniques of approximate solutions and basic statistics for quality control. The curriculum includes integration of theory with practical laboratory experiments that enhance and support concepts learned in lecture. (Prerequisites: Matriculation in Engineering Concentration or Permission of Instructor)

EGRC110 Computer-Aided Design/Drafting**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

In this competency-based course students will learn the fundamentals of drafting in a modern, networked, computer lab using SolidWorks drafting software. The course will cover the concepts and application of orthographic projection, isometric representation, and basic dimensioning. Topics also include linetype conventions, lettering, freehand drafting, geometric construction, sections, and auxiliary views. Students will be introduced to 3-D visualization using computer wire frame and surface modeling techniques. This course includes classroom instruction and laboratory activities. (Prerequisites: Matriculation in Engineering Concentration or Permission of Instructor)

GENERAL EDUCATION/LIBERAL ARTS**ENGLISH****ENG102 College Composition I****3 CLASS HOURS/3 CREDITS**

In this course, students learn to write clearly and effectively for defined audiences through a variety of strategies. Emphasis is on the writing process from prewriting through drafting, revising, and editing. Students become aware of the variety of strategies, behaviors, habits, and attitudes and choose those that help them improve. Writing nonfiction from personal experience and observation as well as from library and electronic sources, students gain confidence and learn basic writing principles. (Prerequisite: Accuplacer score of 78 or Permission of Instructor.)

ENG110 Writing Workshop**2 CLASS HOURS/2 CREDITS**

Writing Workshop provides a challenging but supportive environment in which student, faculty, and staff writers determine and pursue individual writing goals. Past writing has ranged from book reviews, research writing, editorials, proposals, and technical pieces to poems, stories, memoirs, and personal essays. Participants present their work for discussion, and they read and respond to drafts presented by others in the group. Workshop discussion focuses on process, interpretation, craft and problem-solving. (Prerequisite: ENG102 and ENG201 or Permission of Instructor.)

ENG122 Professional Communications**3 CLASS HOURS/3 CREDITS**

Applying principles used in business and industry, this course prepares students to use a variety of written and oral communication styles within the professional community. Students will create and analyze workplace documents, including resumes, memos, instructions, feasibility reports, and proposals, will build on an understanding of issues of audience

and purpose, and will learn to utilize visual devices, including a focus on document design and layout to make documents more effective. Attention will also be placed on critical reflection and revision both as initiated by the individual student and as completed in response to the feedback of peers. (Prerequisites: ENGC101 or Permission of Instructor. This course does not count as a second English but as a General Education or Liberal Arts elective.)

ENGC200 Grammar For Writing 3 CLASS HOURS/3 CREDITS
Grammar is studied in relationship to the content and structure of writing. Examples will be elicited from student and professional writers so that actual grammar patterns in their breadth and variation can be analyzed, evaluated, and practiced. (Prerequisite: ENGC102)

ENGC201 College Composition II 3 CLASS HOURS/3 CREDITS
College Composition II builds directly on the skills and attitudes developed in College Composition I. Students will reach beyond personal knowledge toward expertise through research. Writing a variety of academic papers with strong emphasis on a research essay, students become active investigators, synthesizing traditional sources and personal expertise in order to combine insight and evidence. (Prerequisite: ENGC102).

ENGC202 Meetinghouse Readings 3 CLASS HOURS/3 CREDITS
In Meetinghouse Readings students become active investigators attending live presentations by prominent writers, reading works by those writers, and meeting to explore both the relationship between how writers present themselves in person and in their works and the differences between experiencing work in person and on the page. The Meetinghouse Readings rank among the nation's most successful grassroots literary programs. The readings celebrate literacy and literature, particularly the literature of northern New England, and are inspired by the examples of old-time Chautauqua meeting and the great reading tours of Dickens and Twain. Over the years, reading schedules have featured National Book Award and Pulitzer Prize winners as well as writers whose reputations are just emerging. Past readers include nationally prominent poets and writers whose works are often set in and about the small towns in northern New England, writers such as Grace Paley, Andre Dubus, Donald Hall, Michael Dorris, Louise Erdrich, Sydney Lea, Mark Doty, Charles Simic, Alice Munro, Ernest Hebert, Rosellen Brown and many other writers from the region and beyond. The readings and discussions will be held in Canaan's historic and beautiful 1793 Meetinghouse. (Prerequisite: ENGC102 or Permission of Instructor)

ENGC206 Creative Writing 3 CLASS HOURS/3 CREDITS
Building on writing principles and critiquing abilities learned in College Composition I, students will explore the art of creative writing by writing both fiction and poetry. Through writing exercises completed both in and out of class, participating in workshop discussion, and reading a variety of established voices in poetry and fiction, students will develop a sense of the basic tools of creative writing. With an emphasis on sharing work and giving constructive criticism, this class will enable students to make choices about drafting and revising their literary pieces and to work to develop their own individual style. A final portfolio of revised and polished pieces of writing representative of the semester's work will be completed. (Prerequisite: ENGC102)

ENGC231 Reading Modern Poetry 3 CLASS HOURS/3 CREDITS
With an emphasis on poetry written in the twentieth century, students will become familiar with a wide range of poems. Through careful reading, discussion, and short written essays, students will consider why poems are important and how they address our lives on levels both personal and social. Students will look at poems from two perspectives, those of reader and writer, encountering questions such as how a poem is made, what tools a writer uses to shape it, as well as what the reader can bring to the poem. Working as individuals and in small groups, students will discover how to enjoy and to talk about poems as works of art that enrich all our lives. (Prerequisite: ENGC102 or Permission of Instructor)

ENGC232 Reading Short Fiction 3 CLASS HOURS/3 CREDITS
In this course, students will read, analyze, interpret, discuss, and write about short fiction. Readings will include various forms of the story, as well as stories from different culture, countries and centuries. Emphasis will be on the close, careful reading of text, and students will be introduced to the concepts and terminology of prose literature, including plot, conflict, characterization, theme, point of view, and imagery. This course meets the requirement for the second 3 credits of English. (Prerequisite: ENGC102)

ENGC235 Poetry Workshop 3 CLASS HOURS/3 CREDITS
Building on writing principles and critiquing abilities learned in College Composition I, students will begin to investigate the differences between prose and poetry. Through exercises and revision, and especially by reading and discussing some contemporary poems, students will learn to recognize and employ some of the basic tools of free verse. Working together on their own and one another's poems with the emphasis on sharing work and offering constructive criticism, students will learn what does, and what does not work in their own poems. This course meets the requirements for the second course in English. (Prerequisite: ENGC102 or Permission of Instructor)

ENGC236 Fiction Writing Workshop 3 CLASS HOURS/3 CREDITS
Building on writing principles and critiquing abilities learned in College Composition I, students will begin to explore the art of creating a successful short story. Through reading a variety of established voices in contemporary fiction, completing writing exercises both in and out of class, and participation in workshop discussion, students will develop a sense of the basic tools of fiction. With an emphasis on sharing work and giving constructive criticism, this class will enable students to make choices about drafting and revising their stories and to develop their own individual style. A final portfolio of revised and polished stories representative of the semester's work will be completed. (Prerequisite: ENGC102)

ENGC237 Advanced Poetry Writing Workshop 3 CLASS HOURS/3 CREDITS
This upper level course is meant to allow students who have experience with a poetry writing workshop environment to further their art. Students will be required to critique poems using vocabulary and critical reading skills developed in ENGC235, and to participate in intensive inclass writing exercise as a way to garner ideas. The course will focus on further development of individual style and voice and on a closer examination of poetic devices and their use. Students will be expected to view growth in the broader sense, through poem-to-poem development, revision choices, and the influence of outside work by established poets. A final portfolio of revised and polished poems representative of the semesters work will be completed. (Prerequisite: ENGC235 or Permission of Instructor)

ENGC239 Advanced Fiction Writing Workshop 3 CLASS HOURS/3 CREDITS
This upper level course is meant to allow students who have experience with a fiction writing workshop environment to further their craft and art. Students will be required to critique fiction using vocabulary and critical reading skills developed in ENGC236, and to participate in intensive in-class writing exercises as a way to generate and develop ideas. The course will focus on the further exploration of individual style and voice and on a closer examination of narrative devised and their applications. Students will be expected to view growth in the broader sense through narrative development, revision choices, and the influence of outside work by established writers. A final portfolio of revised and polished fiction representative of the semester's work will be completed.

ENGC240 American Literature to 1877 3 CLASS HOURS/3 CREDITS
This course samples American literature from the colonial period to the late nineteenth century. Each of the readings will be examined within the context of the character and history of US literature. The course covers

the evolution of literature as a contributing factor to the development of a nation. Works of major American writers such as William Bradford, Anne Bradstreet, Cotton Mather, Benjamin Franklin, Thomas Paine, Thomas Jefferson, Phillis Wheatley, James Fenimore Cooper, Edgar Allan Poe, Herman Melville, Henry David Thoreau, or Louisa May Alcott may be selected for study. (Prerequisite: ENGC102)

ENGC241 American Literature: 1877 to Present

3 CLASS HOURS/3 CREDITS

This course samples American literature from the late nineteenth century to contemporary time. Each of the readings will be examined within the context of the character and history of US literature. The course covers the evolution of literature as a contributing factor to the development of a nation. Works of major American writers such as Walt Whitman, Emily Dickinson, Sarah Orne Jewett, Mark Twain, Edith Wharton, Robert Frost, Willa Cather, Eugene O'Neill, F. Scott Fitzgerald, Langston Hughes, Allen Ginsburg, Sylvia Plath, Amy Tan, Toni Morrison, and others may be selected for study. (Prerequisite: ENGC102)

ENGC249 Sarah Josepha Hale Award Writers

3 CLASS HOURS/3 CREDITS

Since Robert Frost accepted the first Sarah Josepha Hale Award medal, distinguished writers associated with New England (including 18 who have been awarded 24 Pulitzer Prizes, 3 National Book Awards, and 2 Newbery Medals) travel to Newport NH to accept the Richard's Library annual literary award. Sarah Josepha Hale Award Writers builds directly on the skills and attitudes developed in College Composition I. Students will reach beyond personal knowledge toward expertise through research on challenging writers and reflection about connections between the works and responses to the works. Writing a variety of academic papers with strong emphasis on a final research essay, hearing library tapes of various award lectures, and attending live readings by award writers, students become active investigators, seeking evidence to synthesize personal expertise and the insights of the Sarah Josepha Hale Award Writers. (Prerequisite: ENGC102)

ENGC280 Nobel Literature Laureates

3 CLASS HOURS/3 CREDITS

The Nobel Prize in Literature is awarded to "the person who shall have produced in the field of literature the most outstanding work of an idealistic tendency." Since the first Nobel prize in literature was awarded in 1901, Nobel Laureates have been recognized as the finest international writers who celebrate the human spirit. Through comparative literary study of Nobel Laureates, students will portray a global view of the best in contemporary world literature. (Prerequisite: ENGC102 and a literature elective)

ENGC286 Children's Literature

3 CLASS HOURS/3 CREDITS

This course presents children's literature from infancy to adolescence. The course utilizes a transactional view of reading and a variety of writing assignments. Students will examine a wide range of genres in order to develop their abilities to appreciate, critique, and select high quality children's literature. Students will also become familiar with resources available on children's literature and will discuss current issues and trends in the field. (Prerequisite: ENGC102)

ENGC290 Creative Writing Capstone

3 CLASS HOURS/3 CREDITS

The Creative Writing Capstone is completed in a student's final semester in the creative writing program. In this advanced seminar, the student continues to hone his or her writing through a self-designed project aimed toward developing a final portfolio of polished work. Under the tutelage of faculty, students will work toward further revision, synthesize their experiences as developing writers while providing evidence of movement toward individual stylistic choices, and discuss their professional influences and mentors. This will culminate in a final written report describing the project and the work done toward its completion. (Prerequisite: Completion of required English courses for Creative Writing Program or Permission of Instructor)

HUMANITIES

HUMC102 Art Appreciation

3 CLASS HOURS/3 CREDITS

This course educates students in the methods and interpretation of visual art. Students will examine the uses of visual art in human society, and learn to identify and understand visual art media and techniques. Surveying the history of visual art, students will practice analysis and interpretation. As informed viewers, students will be able to examine their own reactions to visual art and make connections between art and life. Field trips may be part of this curriculum and will incur nominal fees.

HUMC109 Introduction to Philosophy

3 CLASS HOURS/3 CREDITS

An introductory survey covering various components of philosophy including Epistemology, Metaphysics, Materialism, Realism, Pragmatism, Logic, Idealism, Existentialism and Aesthetics. This will include classical original, interpretation, development and modern application of these concepts.

HUMC110 The Humanities in Western Culture

3 CLASS HOURS/3 CREDITS

This interdisciplinary course in Western culture integrates the arts of literature, painting, music, sculpture, film, and the discipline of philosophy. In order to better understand why we are the way we are, our studies are centered on our cultural heritage – from Greece, early Christianity, and the Renaissance to the present day. The course involves students and teacher in an analysis of the human issues and achievements in Western culture in an attempt to make sense of the universe. Attention will be given to the following universal concepts in human thought: search for freedom, search for truth, search for beauty, identity with God, identification with the natural world, and relationship with society. Seminar participation, several short papers and final examination are required.

HUMC140 Myth in US Culture (20th Century)

3 CLASS HOURS/3 CREDITS

This interdisciplinary course utilizes both the social science and the humanities to examine the making of American Culture. The central driving force is Twentieth Century American Popular Culture. Students will study a variety of sources (fiction, speeches, movies, television and advertisements) to uncover the numerous myths transmitted by these sources and to verify the validity of those myths that forge America's national identity. Several questions guide the students' investigation: What is the relationship between myths, culture and society? Why do we behave the way we do? How do myths shape our attitudes? Our norms? Our mores? What makes us Americans? Students are graded on participation, several short writing assignments, and a final exam.

HUMC142 Topics in United States History to 1877

3 CLASS HOURS/3 CREDITS

A survey course of US History that presents a clear, relevant and balanced history of the United States from the days of its early development through the end of the reconstruction period. Not only does the course review the major events that shaped the nation, but it will look at those issues that impacted on, and changed the lives of the people who lived during this period. Insights into the political, social, economic and cultural issues round out the scope of this course.

HUMC143 Topics in United States

History: 1877 – Present

3 CLASS HOURS/3 CREDITS

A survey course of US History from 1877 to the present. This course is concerned not just with names and dates, but rather the historical processes that made the US the way it is. The course will focus on the political history, but more importantly the struggles between labor and capital, women and minorities versus the dominant patriarchal state, and the status of the working poor and the way in which they either made, influenced or were exploited by the American system.

HUMC201 The Making of the Modern World: Themes in Western Civilization 3 CLASS HOURS/3 CREDITS

An interdisciplinary approach to the major themes which have shaped Western Civilization since the 1800's. Topics include the scientific revolution, classical liberalism, fascism, and war. The course incorporates the use of film and multi-media as a way of focusing on particular themes and issues. (Prerequisite: HUMC110)

HUMC210 Filming The Vietnam War: The Hollywood Chronicles 3 CLASS HOURS/3 CREDITS

"When the legend becomes fact print the legend." (The Man who Shot Liberty Valance) Hollywood always had its own way of chronicling history, this pictorial chronicle portrays a mythic world where myth and reality are tightly twined neither easily separated. Hollywood's chronicle of the Vietnam War was no different. However unlike Hollywood's plethora of WWII war films, only one film "The Green Berets" starring Producer, Director John Wayne was produced by Hollywood during the Vietnam War. Ten years later, two years after the fall of Saigon, the Vietnam War filled the silver screen with gore, bloodshed and angst. This tells us something about the American people's turbulent divisive opinions on the war. With the unexpected defeat of a technologically superior nation state by a technologically inferior, smaller nation state, the American psyche suffered distressing wounds leaving behind unsightly scars as a harsh reminder of those jolting dark days. Hollywood's Vietnam War Films chronicles the psychological traumatizing affects of the war both on the "home front" and "in country." The purpose of this course is to critically view these Vietnam War films in order for the students to analyze Hollywood's discourse on the war. In conjunction with uncovering the underlying meaning of the Vietnam War films, the students will study the physical geography of Vietnam and survey the historical memory of the Vietnam War and compare the two war chronicles for the purpose of seeing more clearly the legacies of a lost war. Since the course is a seminar students will share their findings and thinkings with one another formulating an oral analytical text of the Vietnam War. Students will be evaluated on discussions and several short position papers. (Prerequisite: 100 Level Humanities course)

HUMC245 Native People: An Ethnohistorical Perspective 3 CLASS HOURS/3 CREDITS

Native People inhabited what is now the United States for more than 20 millennium prior to the European "discoveries", explorations, invasion, conquest, and colonization of the Americas. Our study begins with an examination of the indigenous cultures; myths, music, art, and religion. The course investigates the underlying causes and issues of 500 years of perpetual conflict and warfare between the Native People and the Euro-Americans. Since film is so pervasive in American society and so influential in molding American minds, the study closes with the screening of "Dances With Wolves" to examine the popular portrayal of Native People's image in the movies. Course requirements include several position papers and participation. (Prerequisite: 100 level Humanities course)

HUMC250 Searching for Leadership: An Honors Humanities Approach to Leadership Development 3 CLASS HOURS/3 CREDITS

Utilizing the leadership program and textbook developed by Phi Theta Kappa (the International Honor Society for the Two Year College), SEARCHING FOR LEADERSHIP will help emerging and existing leaders on the journey to becoming the most effective leaders possible. Since leadership is an art, humanities-based learning is essential for becoming an effective and ethical leader. The foundation is the observation and study of great leaders portrayed in the humanities by writers, historians, and film-makers as well as the study of the works of great leaders. Through assessment of the common characteristics of great leaders learners will strive to strengthen the leadership qualities. (Prerequisites: ENGC102, 100 level Humanities, and membership in Phi Theta Kappa)

MATHEMATICS

MTHC106 Statistics I 4 CLASS HOURS/4 CREDITS

Without assuming a calculus background, Statistics I is an introduction to the basics of descriptive and inferential statistics. The focus of the course will be on the development of statistical literacy and statistical thinking through the examination of real-world data from a variety of contexts, including data sets that are of interest to students. Topics include statistical distributions, linear regression and correlation, surveys and experiments, sampling distributions, probability, confidence intervals and hypothesis testing. Student centered, the course engages students in projects focusing on activity-based instruction that integrates technology (e.g., dynamic statistical packaged, calculator-based "labs", spreadsheets, on-line virtual manipulatives) and emphasizes the conceptual understanding of the statistical concepts studied. (Prerequisites: Minimum Accuplacer Elementary Algebra score of 78 OR successful completion (with a grade of "C" or better) of our (ISVC/ISVK016) *Algebra I* or (ISVC018) *Fundamentals of Mathematical Literacy II*, or (ISVC019) *Fundamentals of Mathematical Literacy for STEM Fields* OR written permission of an authorized college official (e.g., instructor, advisor, academic administrator) for students with an Accuplacer Elementary Algebra score in the range 63-77 OR written permission of instructor.)

MTHC107 Statistics II 4 CLASS HOURS/4 CREDITS

Statistics II is the continuation of Statistics I. The course begins with a review of sampling distributions and topics from Statistics I as necessary. The focus of the course is on strengthening proficiency with descriptive and inferential statistics by studying topics including probability, Binomial and Geometric Distributions, confidence intervals and hypothesis testing for proportions and means, Chi-square Tests, inference for regression, and Analysis of Variance. Student centered, the course engages students in projects and case-studies and is focused on activity-based instruction that integrates technology (e.g., dynamic statistical packages, spreadsheets) and emphasizes the conceptual understanding of the statistical concepts studied. (Prerequisites: MTH106 Statistics I or equivalent; OR written permission of instructor.)

MTHC110 Functions & Modeling I 4 CLASS HOURS/4 CREDITS

This course will focus on the use of functions and algebra in problem solving and modeling. Topics include the study of linear, quadratic, exponential, logarithmic, and trigonometric functions, along with translation of functions, inverse functions, and trigonometric identities. Students can expect to complete projects that involve the use of functions to model real-world behavior (e.g., the dynamics of caffeine in the body) and include topics such as data analysis, systems of linear equations, optimization, and rational functions. The course will be student centered and focus on developing quantitative literacy through activity-based instruction that integrates technology (e.g., dynamic statistical packages, calculator-based labs, spreadsheets, on-line virtual manipulatives) and emphasizes the conceptual understanding of the mathematical concepts studied. Multiple assessments tools will be used to measure the course competencies and may include on-going formative assessments, portfolios, quizzes, exams, and projects/investigations. (Prerequisites: Minimum Accuplacer Elementary Algebra score of 78 OR successful completion (with a grade of "C" or better) of our (ISVC/ISVK016) *Algebra I* or (ISVC019) *Fundamentals of Mathematical Literacy for STEM Fields* OR written permission of an authorized college official (e.g., instructor, advisor, academic administrator) for students with an Accuplacer Elementary Algebra score in the range 63-77 OR written permission of instructor.)

MTHC112 Mathematical Investigations: Great Ideas in Mathematics 4 CLASS HOURS/4 CREDITS

Mathematical Investigations is an introduction to various branches of mathematics, including number theory, functions and modeling, geometry, and probability and statistics. The course will focus on some of the most interesting ideas in the history of mathematics and various

applications, including the infinitude of the primes, the non-denumerability of the real numbers, different sizes of infinity, golden rectangles, non-Euclidean geometry, and measuring risk. Students will complete research projects in areas such as cryptography, platonic solids, topology, chaos and fractals, and different voting methods. The course emphasizes mathematical thinking, habits of the mind, and problem solving. These strategies will allow you to apply mathematics to real-life situations. Along the way, you will confront issues that challenge your intuition and even experience mathematical questions that have remained unsolved for hundreds of years. The course is student centered and focuses on activity-based instruction that integrates technology. (Prerequisites: Minimum Accuplacer Elementary Algebra score of 78 OR successful completion (with a grade of "C" or better) of our (ISVC/ISVK016) Algebra I or (ISVC018) Fundamentals of Mathematical Literacy II, or (ISVC019) Fundamentals of Mathematical Literacy for STEM Fields OR written permission of an authorized college official (e.g., instructor, advisor, academic administrator) for students with an Accuplacer Elementary Algebra score in the range 63-77 OR written permission of instructor.)

MTHC114 Mathematics for the Environment

4 CLASS HOURS/4 CREDITS

Mathematics for the Environment is a course that allows students to apply fundamental concepts in mathematics to the study of topics such as climate, economics, population growth, health care, energy, and media literacy. In order to better understand the mathematics presented in these areas, students will study the language of mathematics including patterns, logic, induction, deduction, axioms, proof, number properties, relations, functions, counting techniques, combinations, and permutations. The course emphasizes quantitative literacy, writing, problem-solving skills, and habits of the mind as students engage in a critical analysis of our environment through the use of mathematics. (Co/prerequisites: Minimum ACCUPLACER Elementary Algebra score of 78, OR satisfactory completion (74 or higher) of Instructional Services Fundamentals of Mathematical Literacy II or Fundamentals of Mathematical Literacy for STEM (ISVC018, ISVK018, ISVC019, ISVK019), OR written permission of an authorized college official (e.g., instructor, advisor, academic administrator) for students with an ACCUPLACER Elementary Algebra score in the range 63 – 77, OR written permission of instructor.)

MTHC115 Finite Mathematics

4 CLASS HOURS/4 CREDITS

Topics will include linear models, matrix theory, linear programming, combinations, and math of finance. (Prerequisites: Minimum Accuplacer Elementary Algebra score of 78 OR successful completion (with a grade of "C" or better) of our (ISVC/ISVK016) Algebra I or (ISVC019) Fundamentals of Mathematical Literacy for STEM Fields OR written permission of an authorized college official (e.g., instructor, advisor, academic administrator) for students with an Accuplacer Elementary Algebra score in the range 63-77 OR written permission of instructor.)



MTHC120 Functions & Modeling II

4 CLASS HOURS/4 CREDITS

Functions & Modeling II builds from Functions & Modeling I. The course will focus on strengthening proficiency with functions and modeling at both the procedural and conceptual levels to serve as a preparation for calculus. The course begins with a review of linear, quadratic, exponential, logarithmic, and trigonometric functions. Students will study inverse functions, compositions, combinations of functions, polynomial and rational functions, sequences and series, parametric equations, conic sections, and an introduction to limits and continuity. Additional topics may include complex numbers, polar coordinates, and vectors. Students can expect to complete projects that involve the use of functions to model real-world behavior and include data analysis and fitting functions to data. The course will be student centered and focus on developing quantitative literacy through activity-based instruction that integrates technology (e.g., dynamic statistical packages, computer algebraic systems, on-line virtual manipulatives) and emphasizes the conceptual understanding of the mathematical concepts studied. Multiple assessments tools will be used to measure the course competencies and may include on-going formative assessments, portfolios, quizzes, exams, and projects/investigations. (Prerequisite: MTHC110 or Permission of Instructor)

MTHC210 Calculus I

4 CLASS HOURS/4 CREDITS

Calculus I will provide the student with a review of pertinent analytic geometry and functions and the concept of an inverse of a function. It will then move on to limits, differentiation, and integration. The emphasis will be on experiential learning, concepts, and problem solving. (Prerequisite: MTHC120 or equivalent or Permission of Instructor)

MTHC211 Calculus II

4 CLASS HOURS/4 CREDITS

Calculus II begins with a review of the major topics of differentiation rules and integration from Calculus I. Those basics are built upon by applying those rules to some transcendental functions; such as trigonometric, inverse trigonometric, and logarithmic and exponential functions. Parametric equation, infinite series, and an introduction to differential equations follow. The course is experiential by nature in that students will perform experiments that test and illuminate the theory. These experiments will help to demonstrate that the mathematics is often inspired by physical observations. Throughout the course, connections between topics will be presented and discussed. (Prerequisite: MTHC210 or Permission of Instructor)

MTHC212 Multivariate Calculus

4 CLASS HOURS/4 CREDITS

A course in the calculus of functions of more than one variable usually follows a year of calculus involving functions of only one variable. This course will commence with discussions of vectors and vector value functions. Partial differentiation, multiple integration, and vector operators including gradient, divergence, and curl and related integral theorems: Green's theorem, the divergence theorem, and Stokes' theorem will be introduced and applications will be included throughout. (Prerequisites: MTHC211 or Permission of Instructor)

MTHC215 Linear Algebra

4 CLASS HOURS/4 CREDITS

This course contains both the theory and computational skills needed to study vector spaces, linear transformations, diagonalization, eigenvalues and orthogonality. Students are expected to develop the ability to reason through and coherently write up proofs of theorems as well as develop computational skills. (Prerequisite: MTHC211 or Permission of Instructor)

MTHC216 Math Language, Logic and Proof

4 CLASS HOURS/4 CREDITS

Students will become familiar with the language of mathematics and learn how to use it in writing mathematical proofs. Various methods of proof will be presented, and students will be expected to demonstrate a level of proficiency in their utilization. Fundamental concepts in the areas of set theory, number theory, relations and functions, and logic will be discussed and proved. (Co/prerequisite: MTHC211)

MTHC217 Probability and Statistics 4 CLASS HOURS/4 CREDITS

This course begins with a discussion of the differences between descriptive and inferential statistics, the different types of data, and the rudiments of statistical distributions. Classical probability theory and probability distributions are discussed in general. Specific probability distributions appropriate to discrete data and continuous data are developed in detail. Estimation, hypothesis testing, and applications provide "real life" examples. Linear relationships, and regression analysis provide another means to make predictions and show correlations. (Prerequisite: MTHC210, MTHC211)

MTHC220 Elementary Differential Equations**4 CLASS HOURS/4 CREDITS**

This first course in Differential Equations studies the theory, solutions, methods, and applications of ordinary differential equations. It includes separable variables, homogeneous equations, integrating factors, higher order differential equations, Laplace transforms, numerical methods, and applications. (Prerequisite: MTHC211)

SCIENCE**SCIC101 Biology: Chemical and Cellular Basis of Life****3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

The course focuses on the study of the cell and the molecular biology of life. This course will give a broad overview of what living organisms are made of and how they are characterized. It will focus on the main features that all living organisms share: macromolecules, cells, and genetics. Labs will complement the lecture.

SCIC102 Biology: Adaptation, Evolution and Ecosystems**3 CLASS HOURS/1 LAB HOURS/4 CREDITS**

This course will study the evolution of living organisms in all six kingdoms of life, including study of their form and function, adaptation and evolution, behavior, and interactions with one another and with the physical environment. It will not cover all aspects of life on earth, but focus instead on the mechanism of evolution, which is shared by all organisms, similarities and differences between organisms in their adaptation and behavior, and the relationships within and between species and their environments. Introductory biology courses provide the factual and theoretical basis for the study of biology, and an introduction to methodologies. Lectures will be a mixture of formal presentations and discussions. Lab activities will consist of discussions, experimental design, experimentation, and the evaluation and presentation of results.

SCIC103 Human Biology**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

This course is an overview of the major biological processes necessary for human survival. Emphasis will be placed upon unifying concepts of: science as a process, biological levels of organization, homeostatic mechanisms and the relationship of anatomical structure to function. The impact of lifestyle choices in the promotion of health and disease will also be discussed with each body process. Current issues such as gene technology, cancer research, nutrition and globalization of health and disease will be included. The laboratory component of this course will include analysis of current topics in human biology through scientific observation, experimentation and evaluation. (Prerequisite: Minimum Reading score on Accuplacer of 70 or Permission of Instructor.)

SCIC105 Investigation in Natural Science**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

Investigation in Natural Science is a Physical Science course. This course is a basic science course, not a course about basic science. The course provides the student the opportunity to be immersed in science experientially. Major emphasis is placed on the learner demonstrating understanding via experimentation. Topics included are observation and description, controlled experiments, multi-element experiments,

hypothesis development, model development, scientific measurement, graphing techniques, and scientific reasoning. Basic scientific tools are utilized with attention to expected accuracy and precision.

SCIC111 Anatomy and Physiology Essentials**4 CLASS HOURS/4 CREDITS**

This course is an overview of the structure and function of the human body including how the skeletal, muscular, nervous, cardiovascular, respiratory, immune, digestive, urinary and reproductive systems interact to sustain the human organism. Unifying conceptual threads are: science as a process, levels of organizations, homeostasis and feedback systems and the relationship of anatomical structures to basic physiological function. (Prerequisites: Reading score of 70 on Accuplacer or permission of the Department Designee.)

SCIC112 Topics in Human Biology**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

This course is in part an overview of the structure and function of the systems of the body including how they interact to maintain health. A substantial portion of the course deals with such relevant topics as inheritance, nutrition, evolution, aging and fundamental differences between men and women. The laboratory component consists of exercises typical of a human biology course that explores the structure and function of the human body and includes dissection of a small mammal and examination of a mammalian heart and brain.

SCIC115 Astronomy**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

This course is an introductory Astronomy course offered in an experiential mode. The course will consider theories of the origin of the universe, our galaxy, as well as the structure and mechanics of our solar system. Stars, including our sun, nebula and galaxies will be investigated. Comets and asteroids will be included. Navigation on the celestial sphere as well as basic spectroscopic skills will be explored. Naked eye observations, binocular use as well as some telescope work will be integrated into this experience.

SCIC116 Field Botany**4 CREDITS**

In this field study course students will explore, patterns of plant life in the Connecticut River eco-system. Students will learn plant taxonomy, collect and identify vascular plants naturally occurring in the local river valley basin. Lecture emphasis will be on the flowering plants, form and function, growth and development as well as relationship to the local economy and conservation principles. This course will require a short-term field-based research project, paper and/or presentation on-campus following the study. Field study labs in this course will take advantage of the major ecosystems of the Connecticut River Valley region. Laboratory learning opportunities will be on and off campus in woodland, riverbank, bog and field locations. Students will be expected to travel to offsite locations and come prepared to work in a variety of dry and wet conditions.

SCIC117 Environmental Science**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

This course introduces students to the study of major environmental problems and issues facing society today. Topics include the scientific method; ecosystem structure and function; population trends and dynamics; the pollution and management of air, land, water and energy resources; and the interrelationship of science and public policy. The laboratory section will be utilized for experiments, field trips, guest lectures, demonstrations and discussions. (Prerequisite: Reading score of 70 on Accuplacer or C or better in Reading Strategies or permission of department designee)

SCIC130 Physics I**3 CLASS HOURS/2 LAB HOURS/4 CREDITS**

A study of elementary classical physics with emphasis on the application of physical principles to problem solving. Topics include linear and projectile motion, Newton's laws translational and rotational equilibrium, work and energy, momentum, circular and rotational motion, and mechanical properties of matter. (Prerequisite: MTHC110)

SCIC131 Physics II 3 CLASS HOURS/2 LAB HOURS/4 CREDITS

A continuation of the study of elementary classical physics with emphasis on the application of physical principles to problem solving. Topics include simple harmonic motion, waves, thermodynamics, electricity and magnetism and geometrical optics. If time permits, some modern physics topics may be discussed. (Prerequisite: SCIC130)

SCIC140 Chemistry I 3 CLASS HOURS/3 LAB HOURS/4 CREDITS

This is the first course of a two-course sequence. This course presents the basic principles, laws and theories of chemistry. Atomic structure, bonding, chemical nomenclature, and chemical reactions are investigated. The behavior of solutions, basic acid-base theory, stoichiometry and the behavior of gases are explored. (Prerequisite: Satisfactory placement test scores (Accuplacer) or successful completion of ISVC016, or written Permission of Instructor)

SCIC141 Chemistry II 3 CLASS HOURS/3 LAB HOURS/4 CREDITS

Acids and bases are revisited with attention to Bronsted-Lowry and Lewis acid-base theory. The course presents principles of molecular, geometric and bonding theory along with intermolecular forces in gases, liquids and solids. Properties of solutions, chemistry kinetics, the concept of chemical equilibrium, chemical thermodynamics and electrochemistry are investigated. (Prerequisite: SCIC140)

SCIC162 Nutrition: The Science of Sustenance

3 CLASS HOURS/3 LAB HOURS/4 CREDITS

This course is designed to teach the scientific principles behind the biological importance of nutrition to health and well-being. It will establish a common understanding of nutrition basics and an appreciation of the importance for maintaining proper nutritional balance to maintain a healthy state. The course will focus on the study of the principles of food metabolism with an emphasis on the importance of nutrition to maintaining normal cellular physiological function. Specific nutrient functions will be discussed and personal diet and nutritional analysis completed. The laboratory component consists of food dissection, case studies and nutritional analysis which will foster scientific literacy, and an appreciation of the scientific process.

SCIC201 Anatomy and Physiology I

3 CLASS HOURS/3 LAB HOURS/4 CREDITS

An introduction to the structure and function of the human body. It includes elementary cytophysiology, histology, and anatomy and physiology of the integumentary system, skeletal system, muscular system, and nervous system. Laboratory work parallels lecture topics and includes microscopy, study of human anatomical models, dissection of appropriate laboratory specimens, and physiological experimentation. (Prerequisite: Successful completion of high school chemistry or a "C" or better in ISVC030 and an Accuplacer Reading score of 70 or a "C" better in ISVC011 Reading Strategies or permission of Liberal Arts department designee.)

SCIC202 Anatomy and Physiology II

3 CLASS HOURS/3 LAB HOURS/4 CREDITS

A continuation of Anatomy and Physiology I. Includes anatomy and physiology of the endocrine system, circulatory system, immune system, respiratory system, digestive system, excretory system and reproductive system. Other topics covered include nutrition and metabolism, acid/base balance, and fluid and electrolyte balance. Laboratory work parallels lecture topics, and includes microscopy, study of human anatomical models, dissection of appropriate laboratory specimens, and physiologic experimentation. (Prerequisite: SCIC201 or Permission of Instructor)

SCIC205 Microbiology 3 CLASS HOURS/3 LAB HOURS/4 CREDITS

This is a comprehensive study of the basic principles of microbiology as it applies to the health field. A brief survey of the history of the science is given. Emphasis is placed on understanding the variety and differences of microbes and their relationship to humans. Laboratory study accompanies this and successful completion of these exercises is a partial requirement

of the course. Upon completion of this course, the student will be able to use the concepts and principles of microbiology to explain the relationships of microorganisms with humans and with other microbes. (Prerequisite: SCIC101 or SCIC201 or matriculation in the MLT Program.)

SCIC210 Genetics 3 CLASS HOURS/3 LAB HOURS/4 CREDITS

A second-level laboratory science, this course will introduce students to the theory and advanced lab techniques used in the study of genetics. Topics covered will include Mendelian genetics, patterns of inheritance, nucleic acids, cell cycle, the molecular nature and regulation of genes, recombinant DNA technology, and genomics. Labs will complement the lectures and incorporate hands-on applications of the scientific method. (Prerequisites: Any of the following: SCIC101, SCIC102, SCIC103, SCIC201, SCIC202, SCIC205 or permission of instructor.)

SCIC212 Topics in Biology 3 CLASS HOURS/3 CREDITS

This is a non-laboratory science course applicable to Liberal Arts or Open Elective credits. This course will provide an in-depth seminar based format to investigate current topics in the broader field of biology. Students will be expected to effectively read, comprehend, and articulate contemporary issues in biology and environmental sciences. The specific content of this course will vary from seminar to seminar, covering in-depth discussions and presentations that relate to biology, global health and disease, and/or ecology. The students will be expected to critique the media and challenge assumptions, by developing skills in researching the science behind the topics. Students will discover the political, ethical, social and legal issues that accompany these topics, and how they impact society, locally regional and globally, now and in the future. (Prerequisites: Successful completion of 1 previous laboratory science course or Permission of Instructor)

SCIC220 Biology Capstone: Introduction to Biological Research

2 CLASS HOURS/6 LAB HOURS/4 CREDITS

This is a course which provides students with an opportunity to synthesize previous learning by engaging in independent, student-directed, hypothesis-driven biological research. In the design and execution of experiments, students will demonstrate scientific literacy, scientific process, laboratory skills and techniques, critical thinking, quantitative and qualitative reasoning, written and oral communication skills, and an appreciation of the role that research investigations play in daily life. Classroom-based research provides a framework to foster a culture of undergraduate research at RVCC. (Prerequisites: any 2 of the following lab courses: SCIC101, SCIC102, SCIC201, SCIC202, SCIC205, SCIC210, SCIC162 or permission of Instructor)

SCIC231 Physics I with Calculus

3 CLASS HOURS/3 LAB HOURS/4 CREDITS

Lecture and laboratory experiences will provide a study of classical physics using calculus. Topics include linear and projectile motion, Newton's laws, translational and rotational equilibrium, work and energy, momentum, rotational motion, hydrostatics, mechanical properties of matter and oscillations. (Prerequisite: MTHC 210)

SOCIAL SCIENCES**ECOC102 Macroeconomics 3 CLASS HOURS/3 CREDITS**

A macroeconomic analysis of the basic characteristics of a modern market-directed economy challenged by global development. Topics discussed include supply and demand; national income; the business cycle; inflation and unemployment; fiscal, supply-sided and monetary policy; and the Federal Reserve System.

GEOC101 Introduction to Geography 3 CLASS HOURS/3 CREDITS

Geography is a discipline that examines a broad range of topics but is unified by a number of themes and methods of inquiry. A systematic introduction to the discipline, designed to give the beginning student exposure to physical, cultural, economic, and cartographic aspects of Geography.

HISC134 Topics in African History 3 CLASS HOURS/3 CREDITS

This course is an interdisciplinary approach to the study of the African continent and its peoples. Materials and methods from anthropology, archaeology, geography, linguistics, musicology, art history, political science and other disciplines will contribute to our study of the African past. The traditional, documentary methods of the historian will be complemented by extensive use of oral tradition. The course begins with the origins of man in eastern Africa more than 6 million years ago and in roughly chronological order particularly considers developments over the last two thousand years. We will pay special attention to those elements of African cultures which have made their way across the Atlantic Ocean. The interests of Europeans in Africa from Roman times to the present will be of concern but the course will examine Africa from an African perspective.

HISC224 Reading and Writing History**3 CLASS HOURS/3 CREDITS**

This course introduces students to the way the historian works. Students are engaged in the historical process by learning the proper techniques of research, citing sources, and the questions historians ask in preparation for writing a historical essay. This course is also intended as a capstone course for students with a Social Science or Humanities concentration. During the semester, students will write several short research papers and a longer research paper. (Prerequisite: Any 100 Level U.S. History Course)

HISC255 Leadership: A Study of Presidential Leadership**3 CLASS HOURS/3 CREDITS**

Every four years Americans elect a President they hope exhibits the leadership character of a Washington, a Lincoln, or a Roosevelt. After the election, their high expectations are frequently dashed leaving many Americans skeptical of the electoral process and doubtful if another Great leader will become President. Is this expectation unrealistic? Is a republican form of government with its frequent elections capable of producing a constant flow of Great Leaders? Do Americans recognize the leadership ability in Presidential Candidates? Do Americans recognize the leadership qualities of the President? Is it an unrealistic expectation? Leadership is elusive. Consequently, it is often missed or overlooked by the electorate in the emotional heat of the political battles. Usually, Great Leaders are not discovered or recognized or judged Great Leaders until time distances them from the Oval Office. Regardless, there are ways and means of identifying leadership. This study identifies and examines several leadership models to be used for the purpose of reviewing each 20th Century President and evaluating their on-the-job- performance, ending with a rank ordering of the Presidents. The study closes with an application of the leadership models to Presidential aspirants to identify and assess their leadership abilities. Course requirements include several short papers, participation, and several position papers. (Prerequisite: College level U.S. History)

POLC102 Survey of American Government**3 CLASS HOURS/3 CREDITS**

This course is an introduction to the basic structures of the political process in the United States; it combines attention to political activity at the national (Federal), State and local levels. Topics covered include analysis of Federal and State constitutions, the American political economy, Federal/State relationships, the workings of and interactions between the Executive, Legislative and Judicial Branches of government, the elective process, activities of public and private interest groups, and how the government handles the country's tax dollars.

PSYC101 Introduction to Psychology 3 CLASS HOURS/3 CREDITS

Introduction to Psychology is an introductory college course in psychology which focuses on the fundamental facts and principles of psychology within the broader context of contemporary personal and social concerns. Topics may include the historical development of the

discipline, scientific methodology, human development, motivational theory, consciousness, sensation and perception, learning, thinking, memory, emotions, biological basis of behavior, personality theory, psychopathology, sexuality, and measurements and statistics.

PSYC114 Human Development 3 CLASS HOURS/3 CREDITS

The course in normal human development shall take a look at developmental life sequences of humans from an historical and contemporary view of theories of development and learning. Emphasis will be on the interaction and adaptation in the process of human maturation in growth, movement, perception, cognition, communication, social interaction, and activities of daily living.

PSYC200 Educational Psychology 3 CLASS HOURS/3 CREDITS

Educational Psychology is designed to cover five broad topics: development, learning, lesson and classroom management, assessment and characteristics of learners. The development component focuses on developmental theories of cognition and affect as they relate to education. The learning component presents behavioral and cognitive perspectives on learning, problem solving, critical-thinking and reasoning. The classroom management component focuses on the evaluation of learner characteristics to include those with exceptionalities and ethnically diverse learners. Topics may include the definition of a reflective teacher; cognitive, personal, gender, social, and moral development; individual and group differences; behavioral and cognitive approaches to learning and thinking; motivation and instruction; and assessment. This course provides basic knowledge from the discipline of psychology as related to the field of education and application of this basic knowledge to improve the quality and outcome of the educational process. (Prerequisite: PSYC101)

PSYC210 Abnormal Psychology 3 CLASS HOURS/3 CREDITS

This course explores the diagnosis, treatment and care of the symptoms associated with abnormal behavior. The theoretical causes of various types of psychological disorder – particularly the neurotic, psychotic, and mood disorders will be presented as will a historical perspective regarding treatment. The history surrounding the treatment of mental illness will be discussed. The psychodynamic, cognitive behavioral and medical model approaches to treatment will be emphasized (Prerequisite: PSYC101)

PSYC211 Social Psychology 3 CLASS HOURS/3 CREDITS

This course surveys the major areas of social psychology - the science of individual human behavior in social situations. The course emphasizes an understanding of the important methods, terms, theories, and findings in the field of social psychology. By understanding social psychology we can become more aware of others and ourselves. It is required that you have passed an Introductory Psychology course before taking this class. The course employs primarily a lecture format, although your comments, questions, and discussion are strongly encouraged. (Prerequisite: PSYC101)

PSYC212 Forensic Psychology 3 CLASS HOURS/3 CREDITS

This course examines the interface of psychology and the law with a specific focus on forensic psychology. Contemporary issues including child victims and witnesses, competence, insanity, risk assessment, violent juvenile offenders, psychopathy, and the death penalty as well as the roles and responsibilities of a forensic psychologist and forensic psychiatrist, juries, expert testimony, assessment and treatment within the legal system are addressed. (Prerequisite: PSYC101, or CRJC205, or permission of Department Chair)

SOCC101 Introduction to Sociology 3 CLASS HOURS/3 CREDITS

The course provides an introductory study of sociology using the principles and methods of social sciences and the scientific method. Sociological principles, sociological perspectives, and the relationship of the individual to society groups will be emphasized. Culture and the elements influencing society today are major themes of the course. Other topics that will be examined include socialization, social structure, stratification, race, class, family, education, population, economics, religion, gender, age, and social change. Sociological

research and the role of sociologists in the modern world are discussed. Students learn to think critically about the nature of society and social institutions.

SOCC110 Cultural Anthropology 3 CLASS HOURS/3 CREDITS
An exploration of Homo sapien's origins and the development of cultural differences and similarities. An examination of what the similarities and differences mean and why they are valuable.

SOCC201 Contemporary Social Problems 3 CLASS HOURS/3 CREDITS
Contemporary Social Problems and Issues will be studied, including such topics as deviance and crime, sex and gender, culture, poverty, aging, the family, population (rural and urban issues), the media, education and the economy, health and medicine. Sociological principles, sociological perspectives, and the relationship of the individual to society and groups will be emphasized. Students learn to think critically about the nature of society and social institutions. (Prerequisite: Any 100 level Social Science)

WORLD LANGUAGE

LNGC105 Spanish I 3 CLASS HOURS/3 CREDITS
An introductory course for the first year language study that takes a communicative, functional approach to teaching and learning Spanish at the college level. The course includes grammar, conversation, culture, and readings. At the end of the course the student will be able to speak and write basic Spanish.

LNGC106 Spanish II 3 CLASS HOURS/3 CREDITS
Spanish II initially reviews, then builds on the simple sentence structures and vocabulary learned in Spanish I. Students will understand and converse in day-to-day Spanish and know basic aspects of various Hispanic cultures. Students will also read authentic materials and basic literature, and will write letters and short essays. Course activities accommodate all learning styles and are both innovative and relevant to student experiences. Video materials bring Spanish to life for students by illustrating in context the grammar and vocabulary students are learning. (Prerequisite: LNGC105)

LNGC120 Sign Language I 3 CLASS HOURS/3 CREDITS
This course will assist the student in developing basic conversational skills in American Sign Language (ASL). Included in the course will be a study of basic grammatical structures, non-verbal grammatical signals, sign vocabulary, and conversation regulators. Cultural aspects of the Deaf Community will also be discussed. Emphasis will be placed on using American Sign Language (ASL) in one-to-one or small group conversations.

LNGC121 Sign Language II 3 CLASS HOURS/3 CREDITS
This course will assist the student in developing the ability to use and understand sign language at the beginning level. Classes will include readiness exercises, skills development, direct interaction activities and sign vocabulary building. (Prerequisite: LNGC120)

LNGC220 Sign Language III 3 CLASS HOURS/3 CREDITS
This course will continue with skills development, direct interaction activities and sign vocabulary building. It will cover the use of sign language in the Deaf Community, comprehension and expression of visual/manual language, grammatical structure and sign production and reception at the intermediate/advanced level. (Prerequisite: LNGC121)

LNGC221 Sign Language IV 3 CLASS HOURS/3 CREDITS
This course will assist the student in developing cultural and language skills necessary to participate in one-to-one or small group conversations. Class activities focus on developing expressive and receptive conversational skills through the use of drill, videotapes, discussion of idioms and colloquial usage and opportunities to participate in signed conversation with deaf

people and other signers. Also included in the class will be vocabulary development, rules of social interaction, the process of conversation, and discussion of deaf/hearing interactions. (Prerequisite: LNGC220)

GENERAL STUDIES

GSTC102 Program Design Portfolio 3 CREDITS
This course is required for learners who wish to develop a comprehensive portfolio for the design of an individualized General Studies degree. Its purpose is to design a sequence of learning experiences that provide a coherent program of studies based upon identified educational goals and core general education courses. The design process will guide the student in assessment of formal and informal learning pathways as well as lay the foundational framework for their individualized major. Emphasis will be research, self examination, planning, goal setting and documentation. Instruction, formal and informal, individual or group will be tailored to meet the needs of the individual learner.

HUMAN SERVICES

HSVC101 Introduction to Early Intervention/Family Support 3 CLASS HOURS/3 CREDITS
This course will provide an overview of family-centered early supports and services (early intervention) from the historical, legal, and current-best-practices perspectives. Emphasis will be placed on the role of the assistant in the support services team and on issues of confidentiality and parents' rights. The concepts of intervention in natural environments, inclusion and family-centered support will be explored when working with young children with disabilities and their families.

HSVC110 Introduction to Human Services 3 CLASS HOURS/3 CREDITS
This course will provide an introduction to the history of human services. It presents and describes roles of human service workers, populations served by human services, human and legal rights, values, attitudes and beliefs, systems theory and prevention and promotion. The information will be drawn from disciplines of history, sociology and psychology.

HSVC120 Learning and Behavior 3 CLASS HOURS/3 CREDITS
This course discusses the history and principles of behaviorism and presents a learning theory and teaching techniques based on positive behavioral principles. Presentation and discussion focuses on the ethical and client rights issues of positive behavior change and recent trends and techniques for applying learning principles in a variety of settings.

HSVC123 Supportive Communication Skills 3 CLASS HOURS/3 CREDITS
This course provides an overview of theory, process and the practice of primary interpersonal communication skills. Students are assisted in developing skills to supportively communicate with a variety of people in a range of environments.

HSVC125 Individual Assessment & Planning 3 CLASS HOURS/3 CREDITS
In this course we address the question how can human potential be recognized and enhanced. To answer this question, we will critically examine the perspectives and tools that are commonly used. Our focus will be to build on strengths and develop ways of supporting continued growth and personal goals of people who choose to participate in human services. (Co/prerequisites: HSVC110, HSVC120, HSVC123, PSYC114)

HSVC126 Issues in Mental Health and Developmental Disabilities 3 CLASS HOURS/3 CREDITS
This survey course explores many common disabilities, diagnoses, issues, and treatment options related to mental illness and develop-

mental disabilities. The student will review the physical, psychological and social impact of having a developmental disability or mental illness. (Co/Prerequisites: HSVC110, HSVC123, HSVC120, PSYC114)

**HSVC140 Fieldwork for Early Intervention/
Family Support Assistant 1 CLASS HOUR/3 CREDITS**

This course will provide the student an opportunity to apply academic knowledge and acquired skills to the field situation under the close supervision of an appropriate professional. Students will work with young children and their families in natural settings for a minimum of 90 hours and will attend 15 hours of seminar class time. (Co/Prerequisite: HSVC101, HSVC123)

**HSVC190 Fieldwork I for
Human Services 1 CLASS HOUR/3 CREDITS**

A work based learning course designed to provide comprehensive experience in application of knowledge and values learned in previous course work. Students will select a program or facility which provides social services and will work at this site as a supervised intern. Regular meetings with the internship advisor and fellow interns will provide opportunities for discussion and evaluation of the fieldwork experience. This internship is focused on direct observation of professionals in human services. Educational and direct service activities will also be credited as part of the internship experience. Students will be able to continue on with the current internship placement for the following internship. Students will not be able to do all three field placements at the same agency. (Prerequisites: HSVC110, HSVC120, HSVC123, HSVC125, HSVC126, PSYC114)

**HSVC200 Advanced Special Topics in
Early Childhood Development/
Special Needs 1 CLASS HOUR/1 CREDIT**

This course is individually designed to allow the student to receive credit for an intensive investigation of a specific topic. It consists of 15 hours of direct one-on-one experience with a professional who is skilled and experienced in the identified topic. It is accompanied by additional opportunities for continued learning, analysis, and discussion of topic through readings, meetings with families, staff and supervisor, workshops, and oral presentations. (Prerequisites: Prior approval of Program Director and participation in Early Childhood Professional Development Mentorship Project)

**HSVC210 Ethical Issues in Human Services
3 CLASS HOURS/3 CREDITS**

This course examines standards of professional conduct, values, identification and the process of making moral decisions. Major contemporary ethical issues in the field of human services are explored as well as liability and legal issues relevant to practice. (Co/Prerequisite: HSVC110)

**HSVC215 Issues of Children & Families
3 CLASS HOURS/3 CREDITS**

The course will cover information related to providing services for children and youth. Topics will include normal development, family issues, child abuse and neglect, disorders of childhood as defined by the DSM-IV, legal and ethical issues in child care, treatment issues, and service delivery systems. (Co/Prerequisites: HSVC110, HSVC123, HSVC120, PSYC114)

**HSVC290 Fieldwork II for
Human Services 1 CLASS HOUR/3 CREDITS**

A work based learning course designed to provide a cumulative learning experience in application of knowledge, skills and attitudes acquired in previous course work. Students will select a program or facility which provides human services and will work at that site as a supervised intern. Regular meetings with the instructor and fellow interns will provide opportunities for discussion and evaluation of the work experience. This internship will focus more on direct service activities such as assessment, planning and intervention skills, case management, documentation and recording competencies, advocacy, and information and referral knowledge. Educational/observational activities will also be credited as part of the internship experience. Students will be able to continue on with

the same agency as they did during their first internship. Students will not be able to do all three field placements at the same agency. (Co/Prerequisite: HSVC190)

**HSVC291 Fieldwork III for
Human Services 1 CLASS HOUR/3 CREDITS**

A work based learning course designed to provide comprehensive experience in application of knowledge and values learned in previous course work. Students will select a program or facility which provides human services and will work at that site as a supervised intern. Regular weekly meetings with the instructor and fellow interns will provide opportunities for discussion and evaluation of the work experience. This internship will focus more on direct service activities such as assessment, planning and intervention skills, case management, documentation and recording competencies, advocacy, and information and referral knowledge. Educational/observational activities will also be credited as part of the internship experience. Students will be able to continue on with the same agency as they did during their first internship. Students will not be able to do all three field placements at the same agency. (Prerequisites: HSVC290)

INDEPENDENT STUDY

Independent study is an opportunity for intensive investigation of a special skill, process, or topic, to be arranged on an individual basis between student and faculty.

MASSAGE THERAPY

**MSTC101 Basic Massage Theory and Application
2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course introduces the massage therapy student to the history and theory of massage. Skill development in the art and science of massage therapy is taught by lecture, demonstration, and hands-on treatment practice. The students will be working on each other under the direct supervision of a certified, licensed massage therapy instructor. The course involves learning the fundamentals of giving a full body massage. Draping techniques are covered thoroughly to ensure client comfort and modesty. Also covered will be indications and contraindications, the basic physiological effects, hygiene, professional appearance, sanitation procedures and equipment needed.

NOTE: During the first month of the course of study, each student will be required to purchase a massage table and receive a full body massage by a licensed massage therapist at their own expense. (Prerequisite: SCIC111 or SCIC201)

**MSTC 106 Introduction to Massage Specialties
6 CLASS HOURS/6 CREDITS**

Introduction to Massage Specialties familiarizes the student with a wide spectrum of massage therapy specialties. The student will study and practice the basics elements of 6 different common massage modalities ranging from eastern to western philosophies. (Prerequisite: MSTC101)

**MSTC119 Massage Business Practices
3 CLASS HOURS/3 CREDITS**

This dynamic and highly interactive course focuses on the Massage Business Essentials. This process involves strategizing to create a revenue source from the student's skills as a massage therapist. Through this process the student will learn personal branding, professional presence, marketing and interviewing skills, develop goals and objectives for the creation of a private practice, the creation of a business plan and additional insight into fundamental business practices applicable to a variety of settings. This course is designed to boost confidence and build a knowledge base that will help to serve a private practitioner OR develop the skills to be an outstanding employee in a variety of settings (Hospital, Chiropractic Office, Spa, Health Club to give a few examples.)

MSTC121 Intermediate Massage Theory and Applications**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course is a continuation of MSTC 101 Basic Massage Theory and Application. Technique and strokes are perfected and sub strokes are introduced. Also covered will be endangerment sites designing the massage and the body/mind connections. Topics to be reviewed are body mechanics movement, history, client expectations, indications and contraindications. (Prerequisites: MSTC101, SCIC111 or SCIC201)

MSTC126 Massage Rules and Ethics 1 CLASS HOUR/1 CREDIT

This course focuses upon the ethical considerations unique to the practice of massage therapy as exemplified by the Federation of State Massage Therapy Boards and the National Certification Board of Therapeutic Massage and Bodywork. Professional boundaries, dual relationships, communication skills and ethical decision are covered in this course, as well as the New Hampshire Rules governing the professional practice of massage therapy.

MSTC130 Advanced Massage Theory and Applications**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course introduces the massage student to deeper strokes that include but are not limited to trigger point therapy, myofascial release, cross fiber friction, muscle energy technique and positional release technique. (Prerequisites: SCIC111 or SCIC201 & SCIC202, MSTC121, AHLC123)

MSTC131 Pathology**3 CLASS HOURS/3 CREDITS**

Pathology is the study of the nature of disease. Massage Therapists are ethically and legally responsible for recognizing a client's deviations from normal health and knowing if a massage is appropriate. This course provides the student with the knowledge base upon which s/he can create a safe and responsible practice of Massage Therapy. (Prerequisites: SCIC111)

MSTC134 Self Care and Stress Management**2 CLASS HOURS/2 CREDITS**

Students in this course develop strategies for optimal self care needed for longevity in the career of Massage Therapy as well as strategies for working with clients to promote change that will complement massage in creating optimal health and wellness. Students will define stress and stress factors and identify the impact it has on an individual physically and psychologically. Students will explore the nature of stress and how it can be the cause of disease. Students will identify stress factors and patterns of stress that can cause dysfunction as well as strategies to reduce and manage stress and/or the reactions to stress factors. The process of change will be examined to fully understand what is needed to make effective long lasting change in self care and stress reduction as a part of one's lifestyle. A variety of stress reducing/relaxation techniques will be experienced to identify best fit strategies since each individual is unique.

MSTC140 Massage Capstone**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course is designed to have students completely integrate every aspect of their prior learning into outcome based massage treatment protocols and a final cumulative project. The integration of all treatment modalities the student has studied and the skills they have acquired to date will be coupled with scholarly research and appropriate applications for specific common conditions. medical history, S.O.A.P. notes, focusing on specific problems and their treatment will be addressed. (Prerequisites: AHLC123, SCIC111, MSTC121)

MSTC141 Oriental Theory and Concepts**3 CLASS HOURS/3 CREDITS**

Students will learn the basic concepts of Eastern/Asian healing, including the 12 organ meridian systems, the five element theory, the forms of chi and how they relate to treatments and overall health of the individual.

MSTC193 Massage Clinical Experience I**3 LAB HOURS/1 CREDIT**

During this course the student will begin to work with individual "clients" and will practice the intake process, determine if massage is appropriate and how to properly document each treatment per the NH state standards. This first clinical experience is approximately one third of the number of hours (minimum of 125) required by NH for massage licensure. The faculty advisor will assist students in the learning process and will be on duty during the course. Students will meet with the faculty supervisor as needed throughout the semester for feedback and review. (Prerequisites: SCIC111, MSTC101)

MSTC194 Massage Clinical Experience II**3 LAB HOURS/1 CREDIT**

This course is a continuation of Massage Clinical Experience I and the completion of at least 125 hours of massage as required by the State of New Hampshire for licensure. The student will continue to develop the competencies required by Massage Clinical Experience I and will now apply new learning to assess the needs of the client in order to develop a massage treatment that meets the unique needs of that client. (Prerequisites: SCIC111, MSTC101)

MSTC195 Massage Practicum**3 LAB HOURS/1 CREDIT**

This course is the capstone of the student's clinical experience. All prior learning will be integrated to thoroughly assess client needs and design a massage treatment that is effect for each client. Hours will be performed unpaid at an approved practicum site under supervision. The student must provide transportation to their assigned site. Approved sites include, but are not limited to, clinics, spas, private practices, hospitals and medical facilities. (Prerequisites: All MSTC Core Courses)

MEDICAL ASSISTANT PROGRAM**ALHC102 Medical Terminology****3 CLASS HOURS/3 CREDITS**

Students entering the field of medicine as allied health professionals need a foundation in the language of medicine. This lecture course is designed to introduce the student to medical terminology. Analysis and generation of medical terms and use of prefixes, roots and suffixes will be emphasized. Definition, spelling, and pronunciation of medical terms is stressed. Medical terms built from basic word elements related to pathology, diagnosis, and treatment will be used in class and applied to body systems. Case studies are used to illustrate the use of medical terminology in medicine.

ALHC110 Pharmacology**3 CLASS HOURS/3 CREDITS**

This course is an introduction to the principles of pharmacology, focusing on the knowledge and skills required for safe and effective drug therapy. Emphasis will be placed on the following pharmacologic information: sources of drugs, sources of drug information, drug legislation and standards, classification of drugs, drug action, factors that effect drug action, adverse affects of drugs, administration of drugs, record keeping, abbreviations and symbols, drug calculation and the Medical Assistant's responsibilities in drug therapy. Specific drugs and the procedures for administering drugs will be integrated into Clinical Procedures I and II. (Co/prerequisites: ALHC102, ALHC130)

ALHC121 Medical Office Practice I**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course introduces the student to and provides the student with the theory and training necessary to handle the basic manual and computerized administrative duties required for employment in today's medical office. (Co/prerequisite: ALHC102, BUSC102, BUSC106 recommended)

ALHC124 Medical Office Practice II**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course provides skill development in medical transcription, insurance claims processing, computerized medical office procedures, employment seeking skills, and keyboarding speed and accuracy development. (Prerequisite: ALHC121)

ALHC126 Introduction to Laboratory Procedures**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This introductory course will provide the student with an overview of the world of laboratory functions and procedures. Included in this course will be issues surrounding safety, measurement practices, handling and care of glassware, specimen collection and handling, the health care system and an introduction to point of care testing. The applications of quality control, professionalism, legal and ethical issues associated with the laboratory will be emphasized throughout. (Prerequisites: Matriculation in the MLT Program, or matriculation in the MA Program, and corequisite of: ALHC130, ALHC135 or Permission of Instructor.)

ALHC130 Medical Assistant Clinical Procedures I**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

The first of a two-course sequence designed as an introduction to the essential knowledge and clinical skill required by the medical assistant. Instruction in this course stresses theory, principles and skills related to medical asepsis and infection control; treatment protocols and drug and diet therapies involved in the various systems of the human body, taking medical history; vital signs and anthropometric measurements; patient preparation and assisting in physical examinations; instrumentation, sanitation, disinfection and sterilization of instruments and equipment; assisting with minor surgical procedures; administration of EKGs; preparation, storage, and administration of medication; diagnostic imaging; and review of medical office emergencies including CPR and airway obstruction. (Co/prerequisites: ALHC 102, ALHC 110, SCIC 111 or SCIC 201; Matriculation in the Medical Assistant Program)

ALHC135 Medical Assistant Clinical Procedures II**3 CLASS HOURS/3 CREDITS**

This second of a two-course sequence is designed as a co-requisite course for the medical assistant student attending clinical affiliation. Skills and competencies learned in Clinical Procedures I will be reinforced in order for the student to gain a higher level of proficiency and confidence in their abilities as medical assistants. Theory content will cover anatomy and physiology, and place emphasis on specific organs and body systems and their associated illnesses and disease entities. In addition, the physiological aspects of working with special populations will be considered. This course stresses the disease processes, diagnostic studies, treatment protocols, and drug and diet therapies involved in the various systems of the human body. (Co/prerequisites: ALHC, 102, ALHC 110, ALHC 130, SCIC 111 or SCIC 201 & SCIC202; Matriculation in the Medical Assistant Program)

ALHC166 Legal and Ethical Issues in Health Care**3 CLASS HOURS/3 CREDITS**

This course addresses the legal and ethical principles of health care provision, providing the student with an understanding of the organization of ambulatory health care, the medical-legal guidelines, patient bill of rights, documentation and office requirements. A framework is provided that enables the student to reason clearly and effectively about the ethical and legal issues involved in medical science and technology. The history and development of the health care profession, and the physician – patient relationship is stressed. Emphasis is also placed on understanding the ethical and legal environment of health care, making appropriate ethical and legal choice in practice, and developing skills necessary to promote ethical and legal leadership in a health care setting.

ALHC190 Medical Assistant Program Affiliation 3 CREDITS

The student performs administrative and clinical skills, under the supervision of qualified staff members, in a physician's office and in a clinical laboratory as available. During the affiliation, the student adheres to the working hours and policies of the assigned agency. The student is not paid for the externship. (Co/Prerequisite: ALHC110, ALHC126, ALHC130, ALHC135)

MEDICAL LABORATORY TECHNICIAN**MLTC110 Pathogenic Microbiology****3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

A pathogen is an organism or substance capable of producing disease. This course discusses the characteristics of common pathogenic microorganisms with emphasis placed on bacteria. Pathogenic parasites and fungal elements will be introduced. Methods of isolation from clinical specimens, recognition of pathogens, microscopic morphology, antimicrobial susceptibility testing, and standard reporting practices in a clinical laboratory will be presented. Laboratory sessions will support lecture materials as they focus on safety measures in the microbiology laboratory and the importance of high quality technical skills. (Prerequisites: SCIC205, ALHC126 or MLTC102 & PHBC110)

MLTC111 Urinalysis**1 CLASS HOUR/3 LAB HOURS/2 CREDITS**

This course introduces the study of the physical, chemical and microscopic tests performed as part of a routine urinalysis. A review of the structure and function of the urinary system is followed by the concepts of urine analysis relating to the identification of normal states and metabolic and genetic disorders. Laboratory analysis of body fluids are introduced including cerebral spinal fluid, serous, synovial, and amniotic fluids, as well as fecal and semen analysis. For all areas presented, clinical aspects of related diseases are incorporated into lecture and laboratory sessions. (Prerequisite: ALHC126 or MLTC102 & PHBC110)

MLTC112 Serology**1 CLASS HOUR/3 LAB HOURS/2 CREDITS**

An introduction to basic serologic concepts, this course will cover immunity and associated laboratory applications. Discussions will include non-specific and specific immunity, antigen/antibody structure, function, classification and serologic reactions, biological immunologic responses and disease states representing classical immunologic concepts. (Prerequisites: SCIC111 or SCIC201 & SCIC202, ALHC126 or MLTC102 & PHBC110)

MLTC120 Affiliation Microbiology**5 CREDITS**

The student is placed in a clinical microbiology laboratory setting under the supervision of qualified laboratory personnel to practice learned skills and enhance their knowledge. This experience takes place for a six week, full-time, weekday schedule. (Prerequisite: ALHC126, or MLTC102 & PHBC110, Grade of C or better in MLTC110 or POI, A passing grade of "C" must be obtained in both lecture and laboratory components of the prerequisite MLT program courses to attend the clinical affiliation for that discipline.)

MLTC121 Affiliation Urinalysis and Special Diagnostics**1 CREDIT**

The students is placed in a clinical urinalysis laboratory setting under the supervision of qualified laboratory personnel to practice learned skills and enhance their knowledge. This experience takes place for one-week, full-time, weekday schedule. (Prerequisite: ALHC126 or MLTC102 & PHBC110, Grade of "C" or better in MLTC111 or POI, A passing grade of "C" must be obtained in both lecture and laboratory components of the prerequisite MLT program courses to attend the clinical affiliation for that discipline.)

MLTC201 Hematology**3 CLASS HOURS/3 LAB HOURS/4 CREDITS**

Hematology is the study of blood and its components. This course is an overview of blood cell production, identification, function and changes seen in disease states. Included in this course is a hemostasis component that evaluates the human bodies mechanism to control bleeding and the factors involved. Diseases and conditions associated with abnormal blood pictures and coagulation disorders are also presented. This course will also introduce the morphology and significance of cells found in various body fluids as they relate to pathogenic states. Lectures and laboratories incorporate discussions and practices of common hematologic procedures. (Prerequisite: ALHC126 or MLTC102 & PHBC110, MLTC112)

MLTC202 Immunohematology

3 CLASS HOURS/3 LAB HOURS/4 CREDITS

Immunohematology, also known as Blood Banking, is an in-depth study of the collection and storage of blood components, identification of blood group antigens and antibodies, hemolytic disease of the newborn, compatibility testing, component therapy, transfusion reaction investigation, quality control and problem solving. Tests used to accomplish the above tasks are discussed in lecture and practiced in laboratory sessions of this course. (Prerequisite: ALHC126 or MLTC102 & PHBC110, MLTC112)

MLTC203 Clinical Chemistry

3 CLASS HOURS/3 LAB HOURS/4 CREDITS

The investigation into the human physiology of enzymes, carbohydrates, lipids, proteins, electrolytes and hormones are an important function in a clinical laboratory in regards to the diagnosis and monitoring of disease states. Clinical Chemistry reviews the function of these chemicals and introduces clinical chemistry tests and instrumentation used for their identification and quantitation. Conditions and disease states associated with abnormal findings of these elements are also discussed in limited detail. Laboratory sessions support information provided in lecture as well as emphasizing the importance of accuracy and precision in testing. (Prerequisites: ALHC126 or MLTC102 & PHBC110, SCIC140)

MLTC211 Affiliation Hematology

4 CREDITS

The student is placed in a clinical hematology laboratory setting under the supervision of qualified laboratory personnel to practice learned skills and enhance their knowledge. This experience takes place for four weeks, full-time, weekday schedule. (Prerequisite: ALHC126, Grade of "C" or better in MLTC201 or POI, A passing grade of "C" must be obtained in both lecture and laboratory components of the prerequisite MLT program courses to attend the clinical affiliation for that discipline.)

MLTC212 Affiliation Blood Bank

3 CREDITS

The student is placed in a clinical blood bank laboratory setting under the supervision of qualified laboratory personnel to practice learned skills and enhance their knowledge. This experience takes place for four weeks, full-time, weekday schedule. (Prerequisite: ALHC126, Grade of "C" or better in MLTC202 or POI, A passing grade of "C" must be obtained in both lecture and laboratory components of the prerequisite MLT program courses to attend the clinical affiliation for that discipline.)

MLTC213 Affiliation Chemistry

3 CREDITS

The student is placed in a clinical chemistry laboratory setting under the supervision of qualified laboratory personnel to practice learned skills and enhance their knowledge. This experience takes place for four weeks, full-time, weekday schedule. (Prerequisites: ALHC126, Grade of "C" or better in MLTC203 or POI, A passing grade of "C" must be obtained in both lecture and laboratory components of the prerequisite MLT program courses to attend the clinical affiliation for that discipline.)

MLTC220 MLT Senior Seminar

2 CLASS HOURS/2 CREDITS

This capstone seminar will present the students with opportunities to explore and discuss their program experiences, while integrating the theoretical concepts with their clinical experiences. Activities will include guest speakers from a variety of laboratory related fields, development and evaluation of case studies and practice mock certification examinations geared to prepare the student for the life beyond the educational setting. (Co/prerequisites: All previous MLTC courses)

NURSING

ASSOCIATE OF SCIENCE DEGREE IN NURSING

Current LNA Licensure required for acceptance.

NRNC/K 105 Nursing Seminar I

1 CLASS HOUR/1 CREDIT

The Nursing Seminar course facilitates students' success in the nursing program and the nursing profession by introducing concepts basic

to nursing practice. Learning activities help students develop study skills, test-taking skills, and time management skills. Students learn about the history of the nursing profession and issues facing nurses in today's healthcare. Discussions focus on the different levels of nursing education. The course introduces students to the five-step nursing process as a framework for critical thinking and problem solving, as well as theories and conceptual frameworks used to support nursing practice. Students examine the New Hampshire Nurse Practice Acts and discuss legal and ethical issues in nursing practice. The course introduces students to the National Council Licensing Exam (NCLEX) for registered nurses test plan in reference to the program of study at River Valley Community College's nursing program. Students talk about using nursing research as evidence for nursing practice. (Admission to ASN Program, NRNC/K116)

NRNC/K 116 Nursing Care I

3 CLASS HOURS, 2 LAB HOURS, 10 CLINICAL HOURS/7 CREDITS

The Nursing Care I course introduces concepts basic to nursing practice. In the course, students begin to develop an understanding of the nursing process, the communication process, and the teaching-learning process. Theoretical concepts of person, health, nursing, and environment are introduced and threaded throughout the course. The roles of the associate degree nurse - provider, communicator, teacher, manager of care, and member of the profession are introduced. Basic concepts related to nutrition, homeostasis, sleep, rest, and activity, fluid and electrolytes balance, gastrointestinal function, urinary elimination, carbohydrate alteration and diabetes mellitus, cardiac-pulmonary function, pharmacology, and nursing care of patients with pain and discomfort are discussed. Students also learn about common diagnostic procedures and laboratory tests. The level of information in this course is based on Patricia Benner's novice to expert nursing model of skill attainment. In clinical and laboratory settings, students apply new knowledge and practice basic skills. Clinical learning experiences in long-term and subacute settings provide opportunities for students to integrate theory with nursing practice. (Co/Prerequisites: PSYC101, SCIC201, ENGC102, NRN105 with grade of "C" or better, BLS Certification, liability and medical insurance, active NH Nurse Assistant Licensure)

NRNC/K 117 Nursing Care II

4 CLASS HOURS, 2 LAB HOURS, 13 CLINICAL HOURS/9 CREDITS

This course provides opportunities for students to begin to use the nursing process and implement the registered nurse roles of provider, communicator, teacher, manager of care, and member of the profession. The main focus of the course is learning how to provide holistic nursing care to individuals with common mental health disorders and medical surgical alterations in health. Concepts related to the health-wellness continuum, therapeutic nutrition, pharmacology, and lifespan development that were introduced in Nursing Care I are expanded upon. Students learn medical surgical content related to neurologic, vascular, orthopedic, hematologic, urinary, oncology, and the immune system. Mental health topics of substance abuse, stress, anxiety, somatiform, dissociative, sleep, and affective disorders are introduced, along with their physiologic impact. Based on Patricia Benner's novice to expert nursing model of skill attainment, students continue to develop critical thinking skills, and begin to apply those skills to problem solve within the practice environment. Clinical learning experiences in the nursing lab, peri-operative care areas, medical, surgical and mental health care settings provide opportunities for students to apply theory to nursing practice. (Co/Prerequisites: NRN105 and 116 with a grade of "B-" or higher; PSYC114, SCIC 201 and 202 with grade of "C" or higher, BLS Certification, liability and medical insurance, active NH Nurse Assistant Licensure)

NRNC 197 Transition Course PN to RN

3 CLASS HOURS/3 CREDITS

This course expands on the concepts, knowledge and skills associated with practical nursing education. Emphasis is on the legal and ethical role and responsibility and the scope of practice of an associate degree registered nurse. Using Maslow's theory on the Hierarchy of Needs and

a self-care need framework, the student will use the nursing process to discuss the care of individuals with behavioral health alternations throughout the life span. Based on Patricia Benner's novice to expert nursing model of skill attainment, the student will develop critical thinking skill and advance their use of the nursing process. Theoretical concepts of health wellness continuum, pharmacology, and ethical - legal aspects related to the role of the registered nursing are emphasized. The course provides opportunity to apply theory with nursing practice through simulation case study learning activities. (Co/Prerequisites: SCIC201 and 202, PSYC 101 and 114, Math elective, English composition, Humanities/Fine Art/Language elective with grade of "C" or higher, BLS Certification, liability and medical insurance, active NH Nurse Assistant Licensure)

NRNC/K 215 Nursing Seminar II 1 CLASS HOUR/1 CREDIT

The Nursing Seminar II course facilitates students' success in the nursing program and the nursing profession by providing an opportunity to further develop discussions on topics introduced in the first nursing seminar (NRNC 115) course. This second nursing seminar course helps students develop a professional identity by focusing on why the student chose a career in nursing. Students are introduced to concept maps as a tool for organizing their thoughts for writing. The concept map is used as a tool for developing a professional portfolio and designing a plan for entering the nursing workforce. The course provides opportunities for students to explore different healthcare organizational structures and examine issues related to power and empowerment. Students develop a professional resume, write a cover letter, and discuss important aspect of seeking employment. Other topics of discussion include developing a study plan for NCLEX preparation, continuous quality improvement, creating a healthy workplace, work-related stressors, and burnout. Building on knowledge from the Nursing Seminar I course, students prepare and present a case study demonstrating how nursing research supports clinical practice. (Prerequisites: NRN105, and 116, 117, or 197 with a grade of "B-" or higher; Co-requisite NRN 220)

NRNC/K 220 Nursing Care III

4 CLASS HOURS, 2 LAB HOURS, 13 CLINICAL HOURS/9 CREDITS

This course introduces the delivery of nursing care to the childbearing family, including parents, infants, and children. Concepts related to nursing care management of individuals with mental health disorders are expanded in this course. The course builds upon nursing care required for individuals experiencing acute alterations in the gastrointestinal, hepatobiliary, respiratory, circulatory systems, and disorders related fluids and electrolytes. Based on Patricia Benner's novice to expert nursing model of skill attainment, the student will develop critical thinking skill and use the nursing process to provide and evaluate holistic nursing care for individuals, families and groups across the lifespan. Integrated throughout the course are concepts of health, wellness continuum, therapeutic nutrition, pharmacology, lifespan development, and ethical - legal aspects related to the role of the registered nurse. Learning experiences in the community and inpatient facilities provide opportunities to integrate theory with clinical practice in the areas of mental health, medical/surgical, pediatrics, and child-bearing families. (Prerequisites: English composition, SCIC201 and 202, PSYC 101 and 114 with grade of "C" or higher; Co-requisites: Math elective, SCIC205, BLS Certification, liability and medical insurance, active NH Nurse Assistant Licensure)

NRNC/K225 Nursing Seminar III 1 CLASS HOUR/1 CREDIT

The Nursing Seminar III course prepares nursing students to enter the workforce by focusing on the essential skills of leadership and management. Learning activities provide opportunities for students to use communication and critical thinking skills to implement change and effectively deal with conflict in the clinical setting. In the third nursing seminar course, students learn about the legal implications of delegating patient care to healthcare personnel and the importance of quality improvement as it relates to the nurse, patient, organization, and healthcare system. Seminar sessions focus on getting people to work

together, incivility in a caring profession, and the process of change in the healthcare setting. (Prerequisites: NRN105, 215, and 220 with a grade of "B-" or higher; Co-requisite NRN 230)

NRNC/K 230 Nursing Care IV

4 CLASS HOURS, 2 LAB HOURS, 16 CLINICAL HOURS/10 CREDITS

This course provides expanded concepts related to the holistic nursing care of patients across the lifespan with complex and acute health alterations in the neurosensory, neurologic orthopedic, renal, and gastrointestinal systems. The course includes concepts in the care of patients at the end of life and those with cancer. Theoretical concepts of the health, wellness continuum, therapeutic nutrition, pharmacology, lifespan development, and ethical - legal aspects are applied to nursing practice. Based on Patricia Benner's novice to expert nursing model of skill attainment, the student develops critical thinking skills, increases competence and independence in managing nursing care for patients and families with multisystem needs. Emphasis is on the nurse as a manager of care. Opportunities are provided for students to practice delegation, supervision, collaboration, clinical decision-making and team communication skills in structured medical surgical settings. (Prerequisites: NRN220 with grade of "B-" or higher; Co-requisites: NRN225, English Elective, Humanities Elective)

NURSING ASSISTANT PROGRAM

NURC101 Skill Training for Nursing Assistants

3 CLASS HOURS/6 LAB HOURS/5 CREDITS

This course will prepare the learner to take a standardized test acceptable to the NH Board of Nursing for Licensure as a nursing assistant, and for employment in the health care field as a nursing assistant. The learner will be prepared to meet the basic self-care needs of clients throughout the life span. Content includes: legal and ethical responsibilities of the nursing assistant, identification of self-care needs of the client, principles of communication, asepsis, body mechanics and common health problems related to body systems. Basic psychomotor nursing skills used by the nursing assistant will be acquired. Simulated clinical laboratory experiences will provide the opportunity for mastering these skills prior to a supervised direct care clinical experience. This course provides a minimum of 48 hours of classroom and 24 hours of laboratory instruction. The direct care of clients, arranged by nursing clinical faculty includes 72 hours of learning opportunities in a supervised clinical rotation in a hospital or long-term care setting. (Prerequisites: Matriculation in the NA Certificate Program, Accuplacer Reading score 70 or higher, Math Assessment/Arithmetic 64 or higher)

PRACTICAL NURSING

Current LNA Licensure required for acceptance.

NURC110 Self-Care Nursing I

3 CLASS HOURS/9 LAB/CLIN HOURS/6 CREDITS

This course provides the student with a review of the fundamental concepts of nursing including: nursing processes medical-surgical asepsis, environment, personal hygiene, activity/rest/sleep, nutrition, vital signs, and elimination. The learner will be introduced to developmental needs from birth through old age- addressing physical, cognitive, psychosocial, and moral development. Concepts related to drug theory and medication administration will be explored as well as health deviation needs related to homeostasis, pain, and the perioperative process. Pharmacology, nutrition, legal/ethical/cultural concepts, and psychosocial issues will be integrated into the units of study. Simulated laboratory and or clinical experience will provide opportunities for the students to develop the psycho-motor skills related to the units of study above as well as sterile technique, urinary catheterization, tracheostomy care and suctioning, and physical assessment. (Prerequisite: SCIC111 & PSYC101, Health Care Provider CPR, student nurse liability insurance, NH LNA Licensure.)

NURC200 Self-Care Nursing II

4 CLASS HOURS/15 LAB/CLIN HOURS/9 CREDITS

This course focuses on holistic nursing care to promote wellness in clients throughout the life span. Health deviation needs will continue to be introduced addressing content related to: Fluid and Electrolyte Balance, Cardiovascular System, Immune System, Respiratory System, Endocrine System, Cell Proliferation, Musculo-Skeletal System, Urinary System, and Mental Health. Pharmacology, nutrition, legal/ethical/cultural concepts will be integrated into each unit of study utilizing the nursing process. The learner will develop an understanding of the role of the practical nurse in assisting clients to maintain and/or restore an optimal level of wellness. Learning opportunities will be provided in a variety of settings to facilitate the integration and application of theoretical knowledge in a reality based work setting. (Prerequisite: NURC110, SCIC111, PSYC101)

NURC201 Self-Care Nursing III

4 CLASS HOURS/15 LAB/CLIN HOURS/9 CREDITS

This course of study will focus on holistic nursing care to promote wellness in clients who have well defined health deviations to the nervous system, neurosensory system, reproductive system and the gastrointestinal system. Developmental and health deviation needs related to childbearing will be explored. Concepts related to emergency management will be addressed. The role of the practical nurse, utilizing the nursing process in provision of care for clients, will be emphasized. Pharmacology, nutrition, legal/ethical/cultural, and psychosocial/mental health concepts will be integrated into each unit of study. Students will participate in structured learning experiences, in a variety of health care agencies, to integrate theoretical knowledge with application of basic skills. (Prerequisites: NURC200)

NURC202 Managing Professional Practice: PN

1 CLASS HOUR/1 CREDIT

This course provides the Practical Nursing student with information and learning experiences that will aid the student in assuming his/her role. The course is designed to facilitate the nursing student's awareness of the legal, ethical, and cultural issues facing today's practical nurse. Issues are examined through written submissions, readings, discussions and role-play. Course content will also include the role of the practical nurse as a member within the discipline of nursing, work place communication, leadership management techniques as well as related topics. Course to be offered in Spring Semester. The course includes (1) one hour of seminar per week. (Co/Prerequisite: NURC110, NURC200, NURC201)

OCCUPATIONAL THERAPY ASSISTANT

OTAC110 Fundamentals In Occupational Therapy

3 LAB HOURS/1 CREDIT

This course is designed to introduce the beginning student to basic body movements, relating them to activities of daily living, therapeutic media, and the effects of decreased motion in specific diagnostic conditions. Activity analysis is introduced addressing a developmental progression of activities of daily living and selected therapeutic media projects. (Co/Prerequisite: AHLC104)

OTAC125 Therapeutic Principles

1 CLASS HOUR/5 LAB HOURS/3 CREDITS

This lab skills course is designed to ground the student in the basic principles and foundations of practice in Occupational Therapy. Principles of motion and kinesiology will be reviewed, as well as the foundation in therapeutic activity, activity analysis, group dynamics and the introduction to therapeutic use of self. (Co/Prerequisites: AHLC135, AHLC104, SCIC201, OTAC110)

OTAC190 OTA Level I Fieldwork Experience

1 CLASS HOUR/6 CREDITS

Level I Fieldwork begins as an integral part of early academic course work, with observation visits of normal human development. Level I continues into second semester as students apply their newly learned therapeutic

analysis and activity techniques to a disabled population in the areas of psychosocial, physical or developmental dysfunction including ethical and multicultural considerations. Summer semester, each student is placed in a variety of occupational therapy settings in the New England area. Two seminar classes are held at the College during a 6 week period for students to share and process their experiences in fieldwork. (Prerequisites: All First Year AHLC, OTAC and PSYC courses, SCIC201, SCIC202, PSYC101) (32-40 hr/wk x 6 wk clinical) (192 hour minimum)

OTAC212 Developmental Disabilities in Occupational Therapy

1 CLASS HOUR/3 LAB HOURS/2 CREDITS

This course includes Occupational Therapy theories and treatments for individuals with a variety of developmental disabilities. Utilizing the standard therapeutic process, the student will apply theory and technique in screening and evaluation, treatment planning, service provision, documentation and program evaluation. The various roles and responsibilities of the COTA will be explored. (Co/Prerequisites: PSYC114, PSYC101, AHLC112, OTAC110, OTAC125)

OTAC213 Psychosocial Disabilities in Occupational Therapy

2 CLASS HOURS/2 LAB HOURS/3 CREDITS

Occupational Therapy treatment of common psychosocial behavior problems of individuals is discussed. Client assessment, group process, and therapeutic communication are included. (Co/Prerequisite: OTAC190)

OTAC214 Physical Disabilities in Occupational Therapy

1 CLASS HOUR/3 LAB HOURS/2 CREDITS

This practice-oriented course provides the student with basic skills in assessment, treatment planning, treatment techniques and documentation as related to physical dysfunction. Included are biomechanical, neurodevelopmental and sensory integrative treatment techniques, splinting, casting and the use of adaptive devices. (Co/Prerequisite: OTAC190)

OTAC220 Seminar In Occupational Therapy

1 CLASS HOUR/1 CREDIT

This course provides a seminar for guided student exchange on trends and issues of Occupational Therapy related to the Level II Fieldwork Experiences. (Co/Prerequisite: OTAC290, OTAC291) (16 hr seminar–over 4 class meetings)

OTAC290 OTA Level IIA Fieldwork Experience

6 CREDITS

Psychosocial service agencies, hospitals, rehabilitation centers, nursing homes, community health care agencies, school systems, and other human service facilities provide affiliating experiences for students enrolled in the Occupational Therapy Assistant program. (Prerequisite: All required AHLC, OTAC and PSYC courses) (36 hr/wk x 8 wk clinical) (288 hours)

OTAC291 OTA Level IIB Fieldwork Experience

6 CREDITS

Psychosocial service agencies, hospitals, rehabilitation centers, nursing homes, community health care agencies, school systems, and other human service facilities provide affiliating experiences for students enrolled in the Occupational Therapy Assistant program. (Prerequisite: All required AHLC and OTAC courses) (36 hr/wk x 8 wk clinical) (288 hours)

PHLEBOTOMY

PHBC110 Phlebotomy

3 CLASS HOURS/3 CREDITS

This course is designed to provide the student with theoretical and introductory technical skills of a phlebotomist. Discussions include anatomy and physiology of the circulatory system, medical terminology, structures of the health care system and laboratory, safety, types of laboratory analyses, specimen collection including techniques, equipment, sources of error and medico-legal issues surrounding the practice of phlebotomy. (Prerequisite: Matriculation in Phlebotomy Program or Permission of Instructor.

PHBC190 Phlebotomy Internship**3 CREDITS**

After successful completion of the Phlebotomy course, the student will spend 120 hours in a clinical environment becoming proficient with the responsibilities and skills of a phlebotomist while under the supervision of qualified personnel in an accredited clinical laboratory. (Prerequisite: PHBC110 or ALHC126, matriculation in Phlebotomy program.)

PHYSICAL THERAPIST ASSISTANT**PTAC112 Physical Therapy Procedures I****2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course involves both lecture and laboratory teaching in the area of physical agents used in Physical Therapy. These agents include heat, cold, light, sound waves, electricity and traction. Documentation and preparation of self, the patient, equipment and space will also be emphasized. (Prerequisite: Matriculation into PTA program or Permission of Instructor.)

PTAC115 Therapeutic Exercise**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

Students will focus on therapeutic exercise rationale, indications, contraindications. Specific equipment, techniques and procedures of therapeutic exercise will be introduced. Students will have opportunity in lab sessions to practice these exercise techniques. (Co/Prerequisite: AHLC123)

PTAC122 Physical Therapy Procedures II**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course continues the series aimed at providing the Physical Therapist Assistant student with basic skills in procedures commonly used in Physical Therapy. This course integrates both lecture and laboratory learning in the areas of data collection (goniometry, manual muscle testing, length, girth, volume and body composition) therapeutic massage, gait training and treatment following reconstructive surgery of the extremities. This course will also cover theory and basic techniques for peripheral joint mobilization, and an introduction to patient education and community service. There will continue an emphasis on professionalism in behavior, appearance and rapport. (Prerequisites: PTAC112, AHLC123)

**PTAC190 Clinical Education Experience I****5 CREDITS**

Clinical education provides students with the opportunity to perform their responsibilities under appropriate physical therapist or physical therapist assistant supervision and with positive role modeling. The experience provides exposure to a variety of patients and learning activities. The clinical education is an organized sequence of learning activities integrated within the curriculum. It includes full time assignments, and follows the completion of relevant didactic instruction. Clinical education is provided in a variety of practice and health care settings and ensures participation in direct patient care. (Co/Prerequisite: All PTAC and AHLC courses from first year schedule) (224 hrs in 6 wks – usually 40 hr/wk x 6 wks minus 2 days for seminar course)

PTAC192 Clinical Education Experience I Seminar**1 CLASS HOUR/1 CREDIT**

This seminar course provides students with an opportunity for reflective learning that focuses on their current clinical education experience. Students will return to campus for two days during their clinical assignments. (Prerequisite: PTAC190) (2 full days – 16 hrs total)

PTAC201 Introduction to Personal Training and Fitness**2 CLASSES HOUR/1 CREDIT**

This occasionally-offered course is designed to introduce the student to the fitness industry and the profession of personal training. Topics of discussion will include current trends and the personal trainer's role, employment opportunities and personal trainer certification options. The foundational knowledge and skills needed for an entry level personal training certificate will also be covered which includes health screening, physical fitness and body composition assessments and fitness program design. Course competencies will be based on current research and industry standards. (Prerequisite: PTA Program matriculation, A&P I, Kinesiology, Therapeutic Exercise, or permission from instructor.)

PTAC202 Special Topics in Physical Therapy**2 CLASS HOURS/1 CREDIT**

This elective course focuses on common Physical Therapy interventions not otherwise covered in the required program of study. The list of interventions may vary based on feedback from faculty, students, the advisory team and clinical instructors. (Prerequisites: PTAC190 or Permission of Instructor)

PTAC211 Physical Therapy Procedures III**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

This course completes the series aimed at providing the Physical Therapist Assistant student with basic skills in procedures commonly used in Physical Therapy. This course integrates both lecture and laboratory learning, and off site clinical practice in the areas of advanced therapeutic interventions: facilitation techniques and motor control, orthotics, prosthetics, cardiac rehabilitation, chest physical therapy, wound care, psychological issues and management of patients using teaching strategies and cultural sensitivity. (Co/Prerequisite: PTAC122)

PTAC220 PTA Clinical Education Seminar**8 CLASS HOURS/2 CREDITS**

This course provides an opportunity to wrap up loose ends regarding licensure, preparation for the licensing exam, the State Practice Act, legal/ethical issues, and topics current to profession. It provides opportunity for students to further the transition to professional attitudes, behaviors and awareness. (Co/Prerequisites: PTAC290, PTAC291) (1 full day a week for the last 4 weeks of spring semester)

PTAC290 PTA Clinical Education Experience II**5 CREDITS**

Clinical education provides students with the opportunity to perform their responsibilities under appropriate physical therapist or physical therapist assistant supervision and with positive role modeling. The experience

provides exposure to a variety of patients and learning activities. The clinical education is an organized sequence of learning activities integrated within the curriculum. It includes full time assignments, and follows the completion of relevant didactic instruction. (Prerequisite: All PTAC and AHLC courses except PTAC291 & PTAC220) (240 hrs over 6 wks, usually 8 hrs day x 6 wks)

PTAC291 PTA Clinical Education Experience III 5 CREDITS
Clinical education provides students with the opportunity to perform their responsibilities under appropriate physical therapist or physical therapist assistant supervision and with positive role modeling. The experience provides exposure to a variety of patients and learning activities. The clinical education is an organized sequence of learning activities integrated within the curriculum. It includes full time assignments, and follows the completion of relevant didactic instruction. (Prerequisite: PTAC290) (240 hrs over 6 wks, usually 8 hrs day x 6 wks)

RESPIRATORY THERAPY

RSPC110 Basics of Respiratory Care I 2 CLASS HOURS/3 LAB HOURS/3 CREDITS
This course covers the characteristics of gases, the delivery of therapy gases to the patient, humidity and aerosol therapy, chest physical therapy techniques. (Co/Prerequisites: SCIC201, RSPC121, matriculation in Respiratory Therapy program.)

RSPC115 Microbiology for Respiratory Care 1 CLASS HOUR/1 CREDIT
This course will introduce the respiratory therapy student to basic microbiology concepts and common laboratory practices involved with the diagnosis of infectious disease of the respiratory tract. Students will learn about normal flora and common pathogens of the respiratory tract. Case studies will be incorporated into the curriculum. (Prerequisites: RSPC190)

RSPC121 Respiratory Physiology 3 CLASS HOURS/3 CREDITS
This course is an extensive investigation into the anatomy and physiology of the entire respiratory system. Topics include gross anatomy and histology, internal and external respiration, pulmonary blood flow, the matching of ventilation and perfusion, the role of the central nervous system in controlling ventilation. (Co/Prerequisites: RSPC110, SCIC201)

RSPC122 Basics of Respiratory Care II 3 CLASS HOURS/3 LAB HOURS/4 CREDITS
This course is an extension of Basics of Respiratory Care I. Topics include: oxygen and carbon dioxide transport, airway management, acid-base balance, arterial blood gas puncture, and instrumentation, suctioning, manual resuscitation, and an introduction to Positive Pressure ventilation. (Co/Prerequisites: RSPC110, RSPC121, SCIC201)

RSPC132 Pulmonary Evaluation I 2 CLASS HOUR/2 CREDIT
This course emphasizes vital sign monitoring, chest auscultation, visual inspection, palpation, and percussion. Simulation and role playing with students in various clinical situations. It also provides the student with knowledge of how to perform and assess pulmonary function through testing. (Co/Prerequisites: RSPC110, RSPC121)

RSPC140 Respiratory Care Pharmacology I 3 CLASS HOURS/ 3 CREDITS
This course is to enhance the respiratory student's learning of basic pharmacology terminology as related to the field of respiratory care. The course concentrates on the pharmacology used to treat the respiratory system, some drugs used in critical care and those agents associated with the cardiovascular system. Student will learn key terms pertaining to drug dosages, calculate drug doses using proportions and percentage-strength solutions. Adverse effects of these agents will be addressed.

RSPC191 RT Clinical Lab I 4 CREDITS
The clinical experience will enable the student to apply selected didactic information regarding gas therapy and respiratory therapeutic modalities under the direction and supervision of the hospital's respiratory therapy department. (Prerequisites: RSPC122, RSPC132)

RSPC211 Critical Care Respiratory Therapy 2 CLASS HOURS/3 LAB HOURS/3 CREDITS
This course covers material on monitoring ICU patients. Discussion of mechanical ventilation includes: modalities, setup, monitoring, weaning, and PEEP therapy. Also covered is closed chest drainage, and arterial catheters. (Co/Prerequisites: RSPC191)

RSPC213 Neonatal and Pediatric Respiratory Care 3 CLASS HOURS/3 CREDITS
This course enables the students with the fundamental background and principles and concepts of neonatal and pediatric respiratory therapy. Specific topics that will be discussed will include: growth and development of the fetus, the perinatal period, the changes that occur at birth, respiratory and cardiovascular abnormalities, and the respiratory therapy and equipment used to treat such conditions. (Co/Prerequisite: RSPC211)

RSPC219 RT Advanced Care Seminar 1 CLASS HOUR/1 CREDIT
This course will familiarize the student with various sub-specialties and advanced procedures in respiratory care such as Sleep Studies, Hyperbarics, Indirect Calorimetry, Stress Testing and Bronchoscopy. Also, there will be preparation for the NBRC Credentialing exams. (Co/Prerequisite: RSPC281)

RSPC228 Cardiopulmonary Disease I 3 CLASS HOURS/1 LAB HOUR/4 CREDITS
This course concentrates on pathological conditions of the pulmonary system. Topics discussed cover body defense mechanisms, examination and evaluation of the chest, the etiology, pathophysiology, clinical manifestations, laboratory data, treatment, and prognosis of a variety of cardiopulmonary diseases. (Prerequisites: RSPC110 and RSPC121)

RSPC229 Cardiopulmonary Disease II 3 CLASS HOURS/1 LAB HOUR/4 CREDITS
This course concentrates on pathological conditions of the pulmonary system. Topics discussed cover body defense mechanisms, examination and evaluation of the chest, the etiology, pathophysiology, clinical manifestations, laboratory data, treatment, and prognosis of a variety of cardiopulmonary diseases. (Prerequisite: RSPC228)

RSPC233 Pulmonary Evaluation II 2 CLASS HOURS/2 CREDITS
This course covers the concepts and application of acid-base balance and electrolytes in human physiology. The course is also designed to provide the student with knowledge to evaluate the cardiovascular system via the electrocardiogram tracing and hemodynamic monitoring techniques and waveforms. (Co/Prerequisite: RSPC191)

RSPC281 RT Clinical Lab II 4 CREDITS
This clinical experience conducted at various facilities is designed to enable the student to apply the principles of mechanical ventilation, the relationship of proper control to achieve desired parameters, and to monitor the physiological and cardiopulmonary effects on the patient. Also included is the assembling of circuits, setting up and monitoring of the ventilator, troubleshooting of malfunctions and calibrations and administration of medicine through a circuit. Knowledge and techniques regarding airway care to include nasotracheal and endotracheal suctioning, assisting intubation and extubation will also be assessed. Evaluation by monitoring EKG, vital signs, hemodynamics and chest x-rays will be applied. (Prerequisites: RSPC211, RSPC226, RSPC233)

RSPC282 RT Clinical Lab III**8 CREDITS**

This clinical experience conducted at various facilities is designed to enable the student to apply the principles of mechanical ventilation, the relationship of proper control to achieve desired parameters, and to monitor the physiological and cardiopulmonary effects on the patient. Also included is the assembling of circuits, setting up and monitoring of the ventilator, troubleshooting of malfunctions and calibrations and administration of medicine through a circuit. Knowledge and techniques regarding airway care to include nasotracheal and endotracheal suctioning, assisting intubation and extubation. Evaluation by monitoring EKG, vital signs, hemodynamics and chest x-rays will be applied. will also be assessed. Included will be rotations on pulmonary rehabilitation, PFT's and sleep lab. (Prerequisites: All previous RT courses, RSPC213, RSPC219)

TEACHER EDUCATION

TEC101 Foundations of Education 3 CLASS HOURS/3 CREDITS

This is a survey course which investigates the philosophical, historical, legal and social/cultural character of education in the United States. It is intended to be an examination of how schools function organizationally and academically. Topic to be explored include the role of education, system philosophy, and trends which have shaped contemporary education. Field observations are required. Students are introduced to teaching as a profession. (Prerequisites: Matriculation in Teacher Education or Alt iv or Permission of Instructor)



WORKFORCE DEVELOPMENT PROGRAMS ADVANCED MACHINE TOOL TECHNOLOGY

MTTC101 CNC I - G&M Code Programming**2 CLASS HOURS/3 LAB HOURS/3 CREDITS**

G&M Code Programming is the study of the alpha-numeric language executed by Computer Numerically Controlled (CNC) machines. The fundamentals studied in this course will include the format of CNC programs, common G-Codes, M-Codes, as well as materials and speeds & feeds. This course will also introduce applicable machine shop related math. The lab is furnished with a ProLIGHT 1000 CNC Mill. Students will also use simulation software for the mill and lathe via the internet. (Prerequisite: MTTC106 or permission of instructor.)

MTTC102 Blueprint Reading with GD&T**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

This course is intended as an introduction to understanding blueprints and being able to visualize and understand the intent of the designer or

draftsman as presented in a blueprint. The first step in making quality parts or assemblies is interpreting the drawing correctly and applying the given information to the final product. This course will include a comprehensive guide to interpreting drawings commonly found in manufacturing beginning with the background of blueprints, looking at the types of lines used on a drawing, and how parts are shown in different views. Dimensioning and tolerances are explained with an emphasis on "Geometric Dimensioning and Tolerancing" (GD&T) using the "ASME Y14.5M-1994" standard.

MTTC104 Machine Tool Math**3 CLASS HOURS/3 CREDITS**

This specialty class highlights the math in "everyday use" in manufacturing. Select topics from basic arithmetic, algebra, geometry and trigonometry will be taught. The student will also learn how to use a Scientific Calculator. The structure of this class will highlight the relevance of the course material to industry by using "real-world" examples and problems. This course will be led by instructors with strong manufacturing experience who will focus on the math topics needed for a successful career in manufacturing.

MTTC105 Introduction to Inspection**2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

This course is intended as an introduction to Inspection using mechanical measuring instruments. The student will gain the skill and knowledge to perform basic measurements and calculations. They will learn how to use precision measuring tools such as micrometers, calipers, dial indicators, and the steel rule. Students will become proficient at reading mechanical blueprints and will learn how to select the proper tool for measurement and for preparing quality control documents and inspection reports. Students will also learn the basics of related topics such as statistical sampling and quality control. Dimensioning and tolerances are explained with an emphasis on "Geometric Dimensioning and Tolerancing" (GD&T) using the "ASME Y14.5M-1994" standard.

MTTC106 Machining Processes I**3 CLASS HOURS/2 LAB HOURS/4 CREDITS**

Machining Processes I covers the machining theory which comprises both manual and CNC (computer-numerical controlled) machining practices. This course outlines the practical applications of safety, measurement and inspection, blueprint reading, metallurgy, and turning/milling technologies as they relate to both manual machining and CNC machining.

MTTC108 Applied Machining Practices I**3 CLASS HOURS/6 LAB HOURS/6 CREDITS**

Applied Machining Practices I is a basic course in the set-up and operation of computer numerically controlled machine tools (lathes and mills) including the selection of tooling, understanding the machine functions, calculation and inputs of offsets, basic machine code interpretation, and maintaining quality through a production run. (Prerequisites/Corequisites: MTTC101, MTTC106)

MTTC201 CNC II – CNC Operation, CAM**3 CLASS HOURS/2 LAB HOURS/4 CREDITS**

CNC II – CNC Operations, CAM is a course designed primarily to teach the student the general theory and practices used in the operation and set-up of Computer Numerically Controlled (CNC) machines and basic Computer Assisted Manufacturing (CAM) Design. Concepts studied in this course will be offsets and adjustments, editing and troubleshooting of programs, CNC Machine tooling, speeds and feeds of materials and tools, positioning theory, and advanced programming including sub programs, cutter and tool nose compensation programming, and canned cycle use on mills and lathes. CAM will be introduced using MasterCam version 9.1 (will be upgraded to version 10 for 2007) by the student developing basic geometry and producing a basic CAM / CNC Project. (Prerequisite: MTTC101)

MTTC204 Machining Processes II**3 CLASS HOURS/2 LAB HOURS/4 CREDITS**

Machining Processes II covers the advanced machining theory which comprises both manual and CNC (computer-numerical controlled) machining practices. This course teaches safe work habits, advanced set-ups, and develops student confidence and imagination. Emphasis is on advanced machine operations and closer tolerances (with projects) are introduced. This course is designed to make the student more aware of the importance of efficient use of time in the machining process and advanced set-ups. (Prerequisite/Corequisite: MTTC106)

MTTC205 Advanced Inspection and Lean**Manufacturing 2 CLASS HOURS/2 LAB HOURS/3 CREDITS**

Advanced Inspection and Lean Manufacturing is a course covering the basics of manufacturing procedures and standards, process documentation and control, inspection of components for compliance to specifications, proper calibration, care and use of advanced measurement tools and instruments. This would include an introduction to the core principles of lean manufacturing for continuous improvement. (Prerequisite: MTTC105)

MTTC207 Applied Machining Practices II**3 CLASS HOURS/6 LAB HOURS/6 CREDITS**

Applied Machining Practices II is an advanced course in the set-up and operations of computer numerically controlled machine tools (lathes and mills) including the selection of tooling, understanding the machine functions, calculation and inputs of offsets, advanced machine code interpretation, and maintaining quality through a production run. Specific emphasis on process development and prove-out with advanced programming (including wait code and macro logic), troubleshooting, adjusting machine parameters, and determining machine alignment for a production machine tool are discussed. (Prerequisites/Corequisite: MTTC108)

MTTC208 CNC Machining Apprenticeship / Internship**1 CLASS HOUR/4 LAB HOURS/3 CREDITS**

The CNC Machining Apprenticeship / Internship will give a student experience in industrial, business, or government work situations that leverages real world experience through practical work experience. It allows students the opportunity to translate academic theories and principles to action, to develop skills and abilities through carefully planned and supervised programs. (Prerequisites: MTTC101, MTTC106)

Non-Discrimination Policy

River Valley Community College does not discriminate in the administration of its admissions and educational programs, activities, or employment practices on the basis of race, color, religion, national origin, age, sex, handicap, veteran status, sexual orientation, gender identify or expression, genetic information or marital status. This statement is a reflection of the mission of the Community College System of NH and refers to, but is not limited to, the provisions of the following laws: Title VI and VII of the Civil Rights Act of 1964; The Age Discrimination Act of 1967; Title IX of the Education Amendment of 1972; Section 504 of the Rehabilitation Act of 1973; The Americans with Disabilities Act of 1990; Section 402 of the Vietnam Era Veteran's Readjustment Assistance Act of 1974; NH Law Against Discrimination (RSA 354-A). Inquiries regarding discrimination may be directed to Cathy Driesch, Disabilities Support Coordinator, River Valley Community College, (603) 542-7744; or to Sara A. Sawyer, Director of Human Resources for the Community College System of NH, 26 College Drive, Concord, NH 03301, (603) 271-6300. Inquiries may also be directed to the US Department of Education, Office for Civil Rights, 33 Arch Street, Suite 900, Boston, MA 02110-1491, (617) 289-0111, TDD (877) 521-2172, FAX (617) 289-0150; email: OCR.Boston@ed.gov the New Hampshire Commission for Human Rights, 2 Chennell Drive, Concord, NH 03301, (603) 271-2767; and/or the Equal Employment Opportunity Commission, John F. Kennedy Federal Building, 475 Government Center, Boston, MA 02203, (617) 565-3200 or 1-800-669-4000, TTY 1-617-565-3204, or 1-800-669-6820. RVCC has TDD capability.

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A.A.S., New Hampshire Vocational Technical
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Certificate, New Hampshire Community
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A.D.N., NH Technical Institute;
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B.S., University of New Hampshire;
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B.S., Boston University;
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B.S.N., West Virginia Wesleyan College;
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*Professor – Associate Degree Nursing/
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B.S.N., M.S.N., University of New Hampshire

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Bob Bowers..... Building Service Worker III
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Steve Picano..... Building Service Worker III
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Beth Quimby..... Administrative Assistant
Arelis Quirones-Sanchez..... Recruiter
Nancy Rizner..... Library Assistant I
Kelly Roe..... TAACCCT Grant Program
Coordinator
Barbara Rozwadowski..... H1B Executive
Secretary
Rebecca Schmidt..... Lab Assistant II
Andrea Spinole..... Recruiter
Rianna Villemaire..... Secretary II - One Stop
Tricia Temple..... WorkReadyNH Program
Assistant I
Mary Anna Ward..... Secretary II - One Stop

CLINICAL FACILITIES

*Clinical sites depend on availability and are
subject to change yearly.*

MASSAGE THERAPY

**Dartmouth Hitchcock Medical Center -
Oncology**
Lebanon, NH 03156

**Mount Ascutney Hospital - Rehabilitation
and Inpatient Care**
Windsor, VT 05189

Colby Sawyer College - Athletic Training
New London, NH 03257

Lake Sunapee Massage - Private Practice
Sunapee, NH

Deep Roots Massage
Keene, NH 03431

River Valley Club
Lebanon, NH 03766

Upper Valley Chiropractic
Lebanon, NH 03766

The Holistic Wellness Center
Springfield, VT 05156

Escape With Massage
Lebanon, NH 03766

Woodstock Inn & Resort Spa
Woodstock, VT

MEDICAL ASSISTANT PROGRAM

Approved Affiliates

Alice Peck Day Memorial Hospital
Lebanon, NH 03766

Dartmouth Hitchcock Medical Center
Lebanon, NH 03756

Family Health Center
Lebanon, NH 03766

Mt. Ascutney Physicians Practices
Windsor, VT 05089

New London Hospital
New London, NH 03257

VA Medical Center
White River Jct, VT 05001

Valley Regional Hospital
Claremont, NH 03743

White River Family Practice
White River Jct., VT 05001

MEDICAL LABORATORY TECHNICIAN PROGRAM

NAACLS Approved Affiliates:

Alice Peck Day Memorial Hospital
Lebanon, NH 03766

Androscoggin Valley Hospital
Berlin, NH 03570

Brattleboro Memorial Hospital
Brattleboro, VT 05301

Catholic Medical Center
Manchester, NH 03102

Central Vermont Medical Center
Barre, VT 05641

Cheshire Medical Center
Keene, NH 03431

Concord Hospital
Concord, NH 03301

Copley Hospital
Morrisville, VT 05661

Dartmouth Hitchcock Medical Center
Lebanon, NH

Elliot Hospital
Manchester, NH 03103

Franklin Memorial Hospital
Franklin, NH 03235

Gifford Medical Center
Randolph, VT 05060

Gifford Memorial Hospital
Randolph, VT 05060

Lakes Region General Hospital
Laconia, NH

Littleton Hospital
Littleton, NH 03561

Monadnock Regional Hospital
Peterborough, NH

Mt. Ascutney Hospital
Windsor, VT 05089

New London Hospital
New London, NH 03257

Northeastern VT Medical Center
St. Johnsbury, VT 05819

Portsmouth Hospital
Portsmouth, NH 03801

Rutland Regional Medical Center
Rutland, VT 05701

Southern NH Regional Medical Center
Nashua, NH 03061

Speare Memorial Hospital
Plymouth, NH

Springfield Medical Laboratory
Springfield, VT 05156

St. Joseph Hospital
Nashua, NH

Veterans Administration Center
White River Jct., VT 05001

Valley Regional Hospital
Claremont, NH 03743

NURSING PROGRAMS ASSOCIATE OF SCIENCE DEGREE IN NURSING

Dartmouth Hitchcock Medical Center
Lebanon, NH 03756

Veterans Administration Center
White River Jct., VT 05009

Springfield Hospital
Springfield, VT 05156

Alice Peck Day Hospital
Lebanon, NH 03766

Valley Regional Hospital
Claremont, NH 03743

Valley Vista
Bradford, VT

Visiting Nurse Alliance NH/VT
White River Jct., VT 05001

Cheshire Medical Center
Keene, NH 03431

Cottage Hospital
Woodsville, NH

Monadnock Community Hospital
Peterborough, NH 03458

Brattleboro Memorial Hospital
Brattleboro, VT 05302

Maplewood Nursing Home
Westmoreland, NH 03467

Genesis Elercare
Keene, NH 03431

Valley Vista
Bradford, VT 05033

So Royalton Pediatric Clinic
So Royalton, VT

New London Hospital
New London, NH 03057

**Cedarcrest Center for Children with
Disabilities**
Keene, NH 03431

**Home Healthcare Hospice & Community
Service, Inc.**
Keene, NH 03431

Sullivan County Health Care
Unity, NH 03743

PRACTICAL NURSING

New London Hospital
New London, NH 03257

**Dartmouth Hitchcock-Medical
Center-Clinic**
Lebanon, NH 03756

Springfield Hospital Pediatric Clinic
Springfield, VT 05156

Veterans Administration Center
White River Jct., VT 05009

Valley Vista
Bradford, VT 05033

Good Beginnings
Claremont, NH 03743

Robert Mesropian Community Care Center
Lebanon, NH 03766

CT Valley Homecare
Claremont, NH 03743

Lake Sunapee Region VNA
New London, NH 03257

Mt. Ascutney Hospital and Health Center
Windsor, VT 05089

Sullivan County Health Care
Unity, NH 03743

NURSING ASSISTANT

Elm Wood Center
Claremont, NH 03743

OCCUPATIONAL THERAPY ASSISTANT PROGRAM

Brattleboro Memorial Hospital

9 Belmont Ave
Brattleboro, Vermont 05301

Center Woods Elementary School

14 Center St.
Weare, NH 03281

Cheshire County - Maplewood

201 River Road
Westmoreland, NH 03467

Copley Hospital

528 Washington Highway
Morrisville, VT 05661-9209

Grafton County Nursing Home

3855 Dartmouth College Highway
North Haverhill, NH 03774-4909

Hanover Terrace Healthcare

49 Lyme Road
Hanover, NH 03766

Harborside Westwood

298 Main Street
Keene NH 03431

Jaffrey-Rindge Cooperative School District

81 Fitzgerald Drive, Unit 2
Jaffrey, NH 03452

Kearsarge School District

SAU 65, 169 Main St.
New London, NH 03257

Lebanon Genesis Eldercare

24 Old Etna Rd
Lebanon, NH 03766-1937.

Mascoma Valley School District

PO Box 789
Enfield, NH 03748

Monadnock Community Hospital

452 Old Street Road
Peterborough, NH 03458

New London Hospital

270 County Road
New London, NH 03257

Pleasant View Center

239 Pleasant Street
Concord, NH 03301

Springfield School District

60 Park St.
Springfield, VT 05156

St Francis Rehab & Nursing

406 Court St
Laconia, NH 03246

St. Johnsbury School

257 Western Avenue
St. Johnsbury, VT 05819

Starr Farm Nursing Center

98 Starr Farm Road
Burlington, VT 05401

VA Medical Center

215 N Main St
White River Jct, VT 05001

Wheelock Elementary School

24 Adams Street
Keene, NH 03431

PHYSICAL THERAPIST ASSISTANT PROGRAM

Rosaire Pelletier, PTA

DHMC
Lebanon, NH 03766

Jodi Saloman, PTA

P.T. Services of Brattleboro
Brattleboro, VT 05301

Linda Zoeller McKibben, PTA, ATC

Alice Peck Day Hospital
Lebanon, NH 03766

Mandy McCaffery, PTA

Weeks & Gowen Physical Therapy
Charlestown, NH 03603

Cindy Largess, PTA

Valley Regional Hospital
Claremont, NH 03743

Shawn Lessard, PTA

HealthSouth Rehab Hospital
Concord, NH 03301

Sally Cole, PTA, OTR/L

Kendal at Hanover
Hanover, NH 03755

Sandy Cherry, PT

Universal PT
Newport, NH 03773

Jen Clark, PTA

Pine Heights
Brattleboro, VT 05301

Dan Wyand, PT

Northeast VT Regional Hospital
St. Johnsbury, VT 05819

Anna Domyancic, PT

Keene PT & Sports
Keene, NH 03431

Melaine Greenwood, PT

Leaps & Bounds P.T.
Keene, NH 03431

RESPIRATORY THERAPY PROGRAM

Charles Sawyer, Medical Director

Valley Regional Hospital
Claremont, NH 03743

Matt Gendron, RRT

Elliot Hospital
Manchester, NH 03103

Scott Slogic, RRT

Dartmouth Hitchcock Medical Center
Lebanon, NH 03756

Laurie Kuralt, RN

Brattleboro Memorial Hospital
Brattleboro, VT 05301

Jessica Lucas, RRT

Springfield Hospital
Springfield, VT 05156

Linda Nestor, RN

Speare Memorial Hospital
Plymouth, NH 03264

Ron King, RRT

Androscoggin Valley Hospital
Berlin, NH 03570

James Heath, RRT

Veterans Administration Hospital
White River Jct., VT 05001

Eric Lindquist, RRT

Southern NH Regional
Medical Center
Nashua, NH 03061

Doug Hall, RRT

Concord Hospital
Concord, NH 03301

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Cheshire Medical Center
Keene, NH 03431

John Quevillon

Catholic Medical Center
Manchester, NH 03102

Michelle Hickey, RRT

Rutland Regional Hospital
Rutland, VT 05701

Academic Calendar

2014 - 2015

FALL SEMESTER 2014

September 1 Labor Day Holiday
 September 2 Classes Begin
 September 15-19... Inauguration Week
 September 19 Presidential Inauguration
 October 29 Symposium – No Day Classes
 November 10 **Registration for Spring Semester Begins (Matriculated Students)**
 November 11 Veterans' Day – No Classes
 November 24 **Registration for Spring Semester Begins (Non-Matriculated Students)**
 November 27-28... Thanksgiving Holiday – No Classes
 December 19 Classes End

SPRING SEMESTER 2015

January 19 Martin Luther King, Jr./Civil Rights Day – No Classes
 January 20 Classes Begin
 February 16 President's Day – No Classes
 March 16-20 Spring Break
 March 30 **Registration for Summer Semester Begins (Matriculated Students)**
 Registration for Fall Semester Begins (Matriculated Students)
 April 13 **Registration for Summer Semester Begins (Non-Matriculated Students)**
 Registration for Fall Semester Begins (Non-Matriculated Students)
 May 11 Classes End
 May 22 Commencement

SUMMER SEMESTER 2015

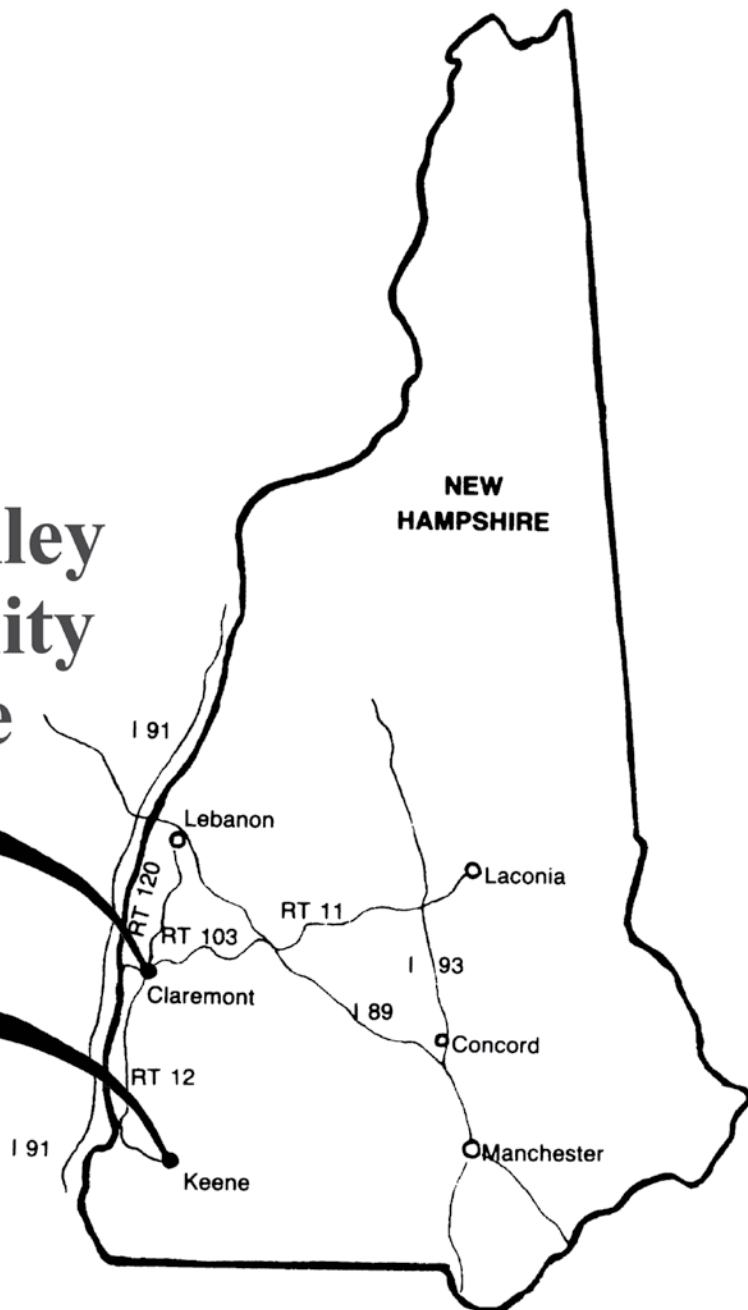
June 1 Classes Begin
 July 3 Independence Day Holiday – No Classes
 July 24 Last Day of 8-Week Courses
 August 14 Last Day of 11-Week Courses



River Valley Community College

CLAREMONT

KEENE



DIRECTIONS TO CLAREMONT CAMPUS

River Valley Community College is located on Route 120 North of Claremont. It is easily accessible from the North on Route 120 in NH or I-91 in Vermont. From Keene and points South RVCC can be reached by traveling North on Route 12 in NH or I-91 in Vermont. Claremont can be reached from points East by traveling on Route 11 to 103 and on I-89 to 103. Route 103 joins Route 120 in Claremont.

River Valley also has a downtown location at 27 Pleasant Street in Claremont.

ACADEMIC CENTER – KEENE

FROM THE NORTH OR WEST OF KEENE: From NH12 south, merge onto NH-9/NH-10N. Proceed approximately 1.4 miles and turn right onto Washington Street Continue approximately .9 miles. College is on the right.

FROM THE SOUTH OR EAST OF KEENE: From 101, turn onto Main Street. Continue approximately .9 mile to stop light in center of town (pass through one roundabout). Go through light and bear right onto Washington Street. College is .9 miles on left.



1 College Place
Claremont, New Hampshire 03743

www.rivervalley.edu