



Great Bay Community College

2011-2012 College Catalog
www.greatbay.edu

Start here and go anywhere!



As a comprehensive community college, Great Bay is continuously developing partnerships to enable seamless transfer to four year colleges and universities across the state and beyond. These partnerships include articulation agreements, lists of transferable courses and their equivalencies, sample plans of study toward a particular major, and 2+2s, which allow Great Bay students junior status and/or dual admission. Some of those colleges and universities include:

- ▶ Rivier College Nashua - www.rivier.edu
- ▶ University of Massachusetts - Lowell, MA - www.uml.edu
- ▶ Chester College, Chester, NH - www.chestercollege.edu
- ▶ University of New Hampshire, Durham - www.unh.edu
- ▶ Franklin Pierce University, Newington - www.franklinpierce.edu
- ▶ University of New Hampshire, Manchester - www.unhm.unh.edu
- ▶ Southern New Hampshire University - Manchester, Salem, Nashua - www.snhu.edu
- ▶ Keene State College - Keene, NH - www.keene.edu
- ▶ Plymouth State University - Plymouth, NH - www.plymouth.edu
- ▶ University of Southern Maine - Portland, ME - www.usm.maine.edu
- ▶ Granite State College - Concord, Claremont, Rochester, Conway - www.granite.edu
- ▶ Salem State University, Salem, MA - www.salemstate.edu

Transfer Pathway Programs

The NH Transfer Connections Program is specifically designed to prepare students for successful transfer from Great Bay Community College to University of New Hampshire, Keene State College, Plymouth State University, or Granite State College. Advantages of the program include transfer-focused advising, academic counseling and support, and a streamlined USNH application process with no additional application or fee. For more information please visit www.nhtransfer.org or contact Erica Brown in the Center for Academic Planning and Support (CAPS) here at Great Bay at 603-427-7624 or esbrown@ccsnh.edu

Southern New Hampshire University Dual Admissions

Great Bay Community College and Southern New Hampshire University, based out of Manchester, have developed an academic articulation agreement that allows students who have completed an Associate Degree program at Great Bay Community College to automatically matriculate to SNHU to complete their bachelor's degree. Participation in this dual admission agreement can take place at the time of the student's acceptance to Great Bay or any time prior to graduation from Great Bay. All academic course work in which a student has earned a 2.0 Cumulative Grade Point Average (CGPA) or grade of C or higher in individual courses is fully transferable from Great Bay. As an added benefit, students who enroll as a full-time resident student at SNHU with an overall CGPA of 3.0-3.49 or higher from Great Bay will receive a \$5000 academic scholarship. Students with a CGPA of 3.5-4.0 will receive a \$6000 scholarship. These scholarships are for the academic year and renewable if the student receives a CGPA of at least 3.0 at SNHU. For more information please visit www.nhtransfer.org or contact Erica Brown in the Center for Academic Planning and Support (CAPS) here at Great Bay at 603-427-7624 or esbrown@ccsnh.edu

Granite State College Pathway for Careers in Education

Granite State College and Great Bay Community College have begun working together to deliver a seamless pathway to students wishing to pursue a career in education. The collaboration between the two colleges enables students who successfully complete coursework leading to an associate degree from Great Bay Community College to automatically matriculate, without additional application fees, to Granite State College where they can complete their bachelor's degree and earn their post-baccalaureate teacher certification. Students can then apply their post baccalaureate work toward credit needed for a master's degree from Keene State College. For more information please contact Patricia Corbett, Chair, Departments of Education & Social Sciences, Great Bay Community College at pcorbett@ccsnh.edu.

Granite State Accelerated Weekend Program

Complete your Associate Degree at Great Bay Community College. Stay on campus at Great Bay and complete your Bachelor of Arts Degree from Granite State College in just 18 months. For more information please contact Patricia Corbett, Chair, Departments of Education & Social Sciences, Great Bay Community College at pcorbett@ccsnh.edu

General Information



Great Bay Community College

320 Corporate Drive
Portsmouth, NH 03801
(603) 427-7600
1-800-522-1194 (NH only)
Fax line: (603) 334-6308

website: www.greatbay.edu
email: askgreatbay@ccsnh.edu

TDD/Voice: Relay New Hampshire
1-800-735-2964 or 711
www.relaynewhampshire.com

Campus Directions

The campus is located on the Pease International Tradeport in Portsmouth, New Hampshire.

From the south (Massachusetts) on Interstate 95:

Pass through the Hampton toll booth; take Exit 3 - Greenland/Portsmouth. At the end of the exit the ramp take a left. Take the first right onto Grafton Road (Pease International Tradeport). Follow the road to the end. The Portsmouth campus will be in front of you. Take a right at the stop sign and the second left into the parking lot.

From the north (Maine) on Interstate 95:

Take Exit 3A. At the end of the exit ramp, take a right onto Grafton Road (Pease International Tradeport). Follow the road to the end and the Portsmouth campus will be in front of you. Take a right at the stop sign and the second left into the parking lot.

From the west on Route 4 or Spaulding Turnpike (Dover, Rochester, Somersworth, Farmington):

Take Exit 1 in Portsmouth. At the end of the exit ramp take a right, entering the Pease International Tradeport. Continue to the end of Pease Boulevard and take a left onto New Hampshire Avenue for approximately 1.4 miles, go through the blinking yellow light, after which the road becomes Corporate Drive. Take the second left into the parking lot.

From the west (Manchester) on Route 101:

Take Rt.101 east to Rt.95 north. Follow directions for "from the south (Massachusetts)".

Facilities Rental

Great Bay Community College encourages local organizations and businesses to rent our facilities to host meetings, seminars and conferences. Space is available for recurring meetings, occasional training and annual conferences. Please contact the Business & Training Center at (603) 427-7652.

Limitations: The information contained in this catalog is to be used as a guide to Great Bay Community College for its students, staff members, prospective students and other educational institutions. Information provided in the publication is reflective of that which is in effect at the time of preparation, June 2011. Program information, program requirements as well as information on policies, courses and fees are subject to change without notice. An Addendum containing updated information not included in this publication is available at the Main Office of Great Bay Community College and on the college website. Information in this catalog should also be verified by a college Academic Advisor. Great Bay Community College reserves the right to cancel, postpone, or combine class sections, to limit registrations, as well as change instructors.

College Mission and Vision Statement



Mission

Great Bay Community College provides accessible, student-centered, quality higher education programs for a diverse population of students seeking career, degree or transfer opportunities. A strong commitment to lifelong learning is reflected in our policies, programs and activities. We will continue our strong tradition of providing education in the sciences, career and technical programs as well as in the liberal arts. We endeavor to promote economic development through community engagement and workforce development for the region.

Vision

The vision of Great Bay Community College is to build and sustain the best science, technology, career, and transfer oriented community college in New England. We will achieve this by becoming more innovative, entrepreneurial and collaborative as well as by being a strong resource for our service area; by maintaining our excellence in the liberal arts; by becoming more student centered; by retaining and graduating more of our students; by having more of our students transfer and enter high paying careers; by attracting faculty and staff who understand and are committed to our mission; by engaging with the community and incorporating more service learning and civic engagement activities into our curriculum; and by the use of data to become more productive and efficient in the use of our resources.

Core Values

Success for Our Students - This is paramount and foremost in our mission and will be achieved through our continual refinement and improvement in student services, advising, pedagogy, and outcomes assessment. We recognize that learning and student development occur in multiple contexts, and thus, we will provide a diverse and extensive array of curricular and co-curricular opportunities. Students are treated with respect at all times, and we strive to respond to them in a timely, accurate, and complete fashion.

Teaching Excellence - We are a teaching college and take pride in this mission. Integrity in course content assures students of a high quality education that is recognized in transfer by other institutions of higher education as well as in the workplace. Highly qualified staff using traditional and innovative teaching methods, coupled with a strong student support system, provides a diverse student population the opportunity to reach their potential as learners and meet our high standards. Faculty scholarship and collaboration is valued; and leading edge information on teaching and learning as well as an adherence to industry needs keep our programming current and responsive. Teaching excellence is achieved through the hiring of good faculty and through a continual program of professional development.

Community Engagement - We understand that we are an important and integral part of the larger community. We strive to serve as a resource to further the needs and aspirations of the region's businesses and citizens. We encourage partnership and collaboration, entrepreneurship, and innovative thinking to build bridges between our college and the community.

Workplace Culture - As a community we communicate, collaborate and plan to build and sustain the best organization possible. We are engaged in the life of The College and seek consensus on matters which impact our community. Our responsibilities are fulfilled with integrity and professionalism, and we respect all who enter our doors.

Citizenship and Civic Engagement - The College accepts its role in promoting engaged citizenship. We go further by recognizing the importance of tying classroom learning to civic engagement. We promote volunteerism and service learning as a way to integrate classroom learning with community issues.

Continuous Improvement - We recognize that as an organization we are always in a state of evolution. We strive to be the best we can be through reflection and critical evaluation. We recognize our shortcomings and take corrective action. We also celebrate our accomplishments.

Corporate Citizenship - We recognize that we have an impact on our environment, and pledge to be responsible corporate citizens by adopting practices that lead to a healthier community and work environment.

Code of Ethics

Our college policies, procedures, decisions and actions are based on the following ethical principles:

- Responsibility
- Honesty
- Integrity
- Fairness
- Mutual Respect

A Message from Our President

We live in an increasingly complex and competitive global environment. If you do not have a plan to prepare yourself to live and work in this environment, you may be unable to take advantage of all the opportunities that present themselves in the near future.

To engage successfully in an ever-changing society requires a quality education. Today's employers are seeking innovative individuals who can think in multifaceted ways to solve complex problems and work in partnership with others. Preparing you to meet these needs is where Great Bay Community College comes in.

At Great Bay, we can help you to develop your communication, analytical and team building skills. Throughout your experience here, you will have opportunities to hone your leadership skills and to act innovatively and entrepreneurially. You will gain confidence, learn more about yourself and our global environment, and ultimately have a more positive impact in your work or home communities.

Whether you want to gain an Associate Degree to start on a career path, transfer to one of New Hampshire's four-year colleges, or upgrade your skills, we have the programs, services and course schedules you need to succeed. Quite simply, Great Bay provides the tools you need to continue to evolve and to lead a richer and more rewarding life experience.

Be the best person you can be by joining our community of learners, thinkers and teachers at Great Bay Community College.

Start something great!

Sincerely,



Will Arvelo
President



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Notice of Nondiscrimination

Great Bay 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, disability, genetic information, veteran status, sexual orientation, political affiliation or marital status. This statement is a reflection of the mission of the Community College System and Great Bay Community College and refers to, but is not limited to, the provisions of the following laws: Title VI and Title VII of the Civil Rights Act of 1964, as amended ~ The Age Discrimination Act of 1967 (ADEA) ~ Title IX of the Education Amendment of 1972 ~ Section 504 of the Rehabilitation Act of 1973 ~ The Americans with Disabilities Act of 1990 (ADA) ~ Section 402 of the Vietnam Era Veterans' Readjustment Assistance Act of 1974 ~ Genetic Information Nondiscrimination Act of 2008. Inquiries regarding discrimination may be directed to Fran Chickering, the Equity Committee Chair, Great Bay Community College at 603-427-7629 or fchickering@ccsnh.edu, to Sara Sawyer, Director of Human Resources for the Community College System of New Hampshire, 26 College Drive, Concord, NH 03301, 603-271-6300. ~ NH Law Against Discrimination RSA 354-A Inquiries may also be directed to the US Department of Education, Office of Civil Rights, 33 Arch Street, Suite 900, Boston, MA 02110-1491, 617-289-0111, Fax: 617-289-0150, TDD: 877-521-2172, or email: OCR.Boston@ed.gov; the New Hampshire Commission for Human Rights, 2 Chenell Drive, Concord, NH 03301, 603-271-2767, Fax: 603-271-6339; and/or the Equal Employment Opportunity Commission, 475 Government Center, Boston, MA 02203, 617-565-3200, 1-800-669-4000, Fax: 617-565-3196, TTY: 617-565-3204 or 1-800-669-6820.



Accreditation Statement

Great Bay Community College is accredited by the New England Association of Schools and Colleges, through its Commission on Institutions of Higher Education.

Inquiries regarding the accreditation status by the New England Association 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
209 Burlington Road, Suite 201
Bedford, MA 01730-1433
(781) 271-0022
E-Mail: cihe@neasc.org

Specialized Accreditations:

Business Programs - Association of Collegiate Business Schools and Programs (ACBSP)

Nursing - National League for Nursing Accrediting Commission (NLNAC), full accreditation; New Hampshire Board of Nursing and Nurse Registration, full accreditation

Surgical Technology - Commission on Accreditation of Allied Health Education Programs (CAAHEP)

Veterinary Technology - Committee on Veterinary Technology Education and Activities (CVTEA)

2011-2012 Academic Calendar

Fall 2011

Aug. 29	Classes Begin – Fall Semester 1 st 8-week and 16-week Semesters
Sept. 3-5	Labor Day Holiday – College Closed (Saturday and Monday)
Sept. 6	Last Day to withdraw with 100% Refund for 1 st 8-week classes beginning the week of Aug. 29
Sept. 12	Last Day to withdraw with 100% Refund for 16-week classes beginning the week of Aug. 29
Sept. 16	Last Day to Resolve "I" Grades from Summer Semester
Sept. 26	Classes Begin – Late Start 12-week Semester
Sept. 29	Last Day to Withdraw with a Grade of "W" for 1 st 8-week Semester classes
Oct. 3	Last Day to withdraw with 100% Refund for Late Start 12-week classes beginning the week of Sept. 26
Oct. 8	Last Day to Withdraw with a Grade of "WP" or "WF" for 1 st 8-week Semester classes
Oct. 24	Classes Begin – 2 nd 8-week Semester
Oct. 31	Last Day to Withdraw with 100% Refund for classes beginning the week of Oct. 24 (2 nd 8-week Semester)
Nov. 3	Last Day to Withdraw with a Grade of "W" for 16-week Semester classes
Nov. 11	Veterans Day – College Closed
Nov. 12	Classes Resume
Nov. 14	Last Day to Withdraw with a Grade of "W" for Late Start Semester classes
Nov. 23	Last Day to Withdraw with a Grade of "W" for 2 nd 8-week Semester classes
Nov. 24-27	Thanksgiving Break – College Closed (Thursday through Sunday)
Nov. 28	Classes Resume
Dec. 3	Last Day to Withdraw with a Grade of "WP" or "WF" for all classes in session
Dec. 16	Fall Semester Classes End

2011

<p>August</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td></tr> <tr><td>7</td><td>8</td><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td></tr> <tr><td>14</td><td>15</td><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td></tr> <tr><td>21</td><td>22</td><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td></tr> <tr><td>28</td><td>29</td><td>30</td><td>31</td><td></td><td></td><td></td></tr> </table> <p>October</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td></td><td>1</td></tr> <tr><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr> <tr><td>9</td><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td></tr> <tr><td>16</td><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td></tr> <tr><td>23</td><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td></tr> <tr><td>30</td><td>31</td><td></td><td></td><td></td><td></td><td></td></tr> </table> <p>December</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> <tr><td>31</td><td></td><td></td><td></td><td></td><td></td><td></td></tr> </table>	S	M	T	W	T	F	S		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31				S	M	T	W	T	F	S							1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31						S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31							<p>September</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table> <p>November</p> <table border="1" style="width: 100%; text-align: center; border-collapse: collapse;"> <tr><th>S</th><th>M</th><th>T</th><th>W</th><th>T</th><th>F</th><th>S</th></tr> <tr><td></td><td></td><td></td><td></td><td></td><td>1</td><td>2</td></tr> <tr><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td><td>9</td></tr> <tr><td>10</td><td>11</td><td>12</td><td>13</td><td>14</td><td>15</td><td>16</td></tr> <tr><td>17</td><td>18</td><td>19</td><td>20</td><td>21</td><td>22</td><td>23</td></tr> <tr><td>24</td><td>25</td><td>26</td><td>27</td><td>28</td><td>29</td><td>30</td></tr> </table>	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	S	M	T	W	T	F	S						1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30
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Spring 2012

Jan. 23	Classes Begin – Spring Semester 1 st 7-week and 15-week Semesters
Jan. 30	Last Day to Withdraw with 100% Refund for 1 st 7-week classes beginning the week of Jan. 23
Feb. 6	Last Day to withdraw with 100% Refund for 15-week classes beginning the week of Jan. 23
Feb. 10	Last Day to Resolve "I" Grades from Fall Semester
Feb. 20	Presidents' Day Holiday – College Closed
Feb. 21	Classes Begin – Late Start 11-week Semester
Feb. 25	Last Day to Withdraw with a Grade of "W" for 1 st 7-week Semester classes
Feb. 27	Last Day to Withdraw with 100% Refund for classes beginning the week of Feb. 21 (Late Start 11-week Semester)
Mar. 12-18	Spring Semester Break
Mar. 19	Classes Resume and Classes Begin – 2 nd 8-week Semester
Mar. 26	Last Day to withdraw with 100% Refund for 2 nd 8-week classes beginning the week of Mar. 19
Mar. 31	Last Day to Withdraw with a Grade of "W" for 15-week Semester classes
Apr. 11	Last Day to Withdraw with a Grade of "W" for Late Start 11-week Semester classes
Apr. 19	Last Day to Withdraw with a Grade of "W" for 2 nd 8-week Semester classes
Apr. 28	Last Day to Withdraw with a Grade of "WP" or "WF" for all classes in session
May 10	Spring Semester Ends
May 19	Commencement (Tentative)

2012

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Summer 2012

May 21	Classes Begin – Summer Semester
May 28	Memorial Day Holiday – College Closed
Jun. 8	Last Day to Resolve "I" Grades from Spring Semester
Jul. 4	Independence Day Holiday – College Closed
Aug. 11	Last Day of 2011-2012 Academic Year

Admission Requirements

Admissions Policy and Procedures

The successful Great Bay Community College student has a good background in math, science, and English and is highly motivated, since many students must balance the demands of an academic program with family and work responsibilities. Admission to the College is based on a number of considerations, no one of which is the determining factor of acceptance. Applicants will not be barred from admission because of race, age, sexual orientation, gender, handicap, religion, or national origin.

Application Procedures

The following procedure is to be followed by each applicant for all degree and certificate programs. It is the applicant's responsibility to ensure that all required documents, including official transcripts, are received by the Office of Admissions on or before the established deadline (when applicable). Incomplete files will not be reviewed for admission. Documents should be mailed to:

Great Bay Community College
College Services One Stop
320 Corporate Drive
Portsmouth, NH 03801

In most cases, applicants will be notified of admission status by mail shortly after the college receives all necessary admissions data. Certain programs however, have specific admissions processing deadlines and procedures. Please refer to the Program of Study section for further information.

Program	Deadline
Nursing	February 28 th
Surgical Technology	July 1 st (preferred)
Veterinary Technology	April 1 st
Massage Therapy - Fall	July 1 st (preferred)
Massage Therapy - Spring	December 1 st (preferred)
Massage Therapy - Summer	May 1 st (preferred)

General Application Procedures

For students seeking matriculation into a degree or certificate program at Great Bay Community College:

1. Submit an application for admissions with a nonrefundable \$20.00 application fee or apply online at: www.greatbay.edu *Former Running Start students who apply may waive the \$20.00 application fee.
2. To be eligible for admission to the College all students must be a High School graduate or equivalent. Documentation of high school completion will be required by producing one of the following documents:
 - Official High School diploma/transcript with a date of graduation
 - Original Foreign High School diploma/transcript with a date of graduation, translated if not in English
 - High school equivalency certificate or GED, including scores.
 - Students lacking high school completion may be eligible for admission to the College under Ability to Benefit policy, contact Admissions Coordinator for further information.
 - Permanent Residents must submit proof of resident status: temporary evidence or actual Alien Registration Receipt Card (I-551 or I-151).
3. Satisfy high school course requirements noted under Admissions Requirements for a specific program of study.
4. Perform satisfactorily on entrance or placement exams required by academic programs to which admission is desired, if applicable.
5. Arrange for a personal interview as required by certain academic programs.
6. Submit recommendations from school personnel, employers or other professionals, if required.

Home-schooled applicants

Great Bay Community College encourages applications from students who are home-schooled. Applicants are expected to meet the same general and specific admission requirements (or their equivalent) as other applicants and to document academic work they have accomplished. Documents to be submitted may include the following:

- A letter or other documentation from the student's local school district stating that the student has completed a home school program at the high school level.
- A list of courses taken and grades earned and/or portfolio of work accomplished.
- GED or other testing, if applicable

Contact the Admissions Coordinator with any questions.

Transfer Students

Applicants with previous college credit should furnish official transcripts and course descriptions from post-secondary institutions previously attended. Determination of transfer credit is explained on page 29.

New Hampshire Transfer Connections Program

Students who originally applied and were not accepted at University System of New Hampshire (USNH) schools: UNH, UNH-Manchester, Plymouth State, Keene State, or Granite State College can study full-time for a year at Great Bay Community College, and with a C or better in all college level course, can automatically be accepted into the University System of New Hampshire institution where they originally applied with no fees or re-application! Additionally, students who never applied to a USNH school may opt in to the program. Visit www.nhtransfer.org for more information.

Great Bay Community College has developed many wonderful transfer pathway programs. See page 30 for additional details.

Readmission to The College

A student who has withdrawn from the college, has been suspended, or has not enrolled for three consecutive semesters must apply through the Office of Admissions. Students are advised that they will have to abide by any new admission requirements for specific programs. Students should also note that there is no guarantee of readmission, as courses or programs with limited enrollments may not be available.

Change of Major

A currently enrolled student who wishes to change major is not required to complete a new application for admissions but does need to complete a Change of Major form. Students wishing to change their major will be evaluated for all admissions requirements for the requested program prior to approval by the Admissions Office. Students currently enrolled in a program who wish to be considered for admission for Nursing, Massage Therapy, Surgical Technology, or Veterinary Technology Associate Degree Programs and the Veterinary Practice Management Certificate Program are required to submit a new application for admission.

Non-Matriculated Students

Non-matriculating students are individuals interested in taking credit or non-credit courses without pursuing a degree or certificate program. Non-matriculating students are not eligible for financial aid. Those interested in registering for coursework as a non-matriculating student must:

- Meet with a counselor in the Advising Center.
- Provide proof of successful prerequisite completion as determined by college catalog course description.

INTERNATIONAL STUDENT APPLICANTS

Great Bay Community College is authorized under Federal law to enroll non-immigrant students. High demand programs with limited enrollment may not be available to international students. We recommend confirming that the program is open to international students prior to applying. International applicants seeking a Certificate of Eligibility (I-20) for F-1 status must submit the following documentation in addition to the regular admission application process:

1. International students pay a non-refundable Admission Fee of \$100.00
2. Official secondary and post-secondary school transcripts, translated into English, listing all courses taken, grading system, and grades earned.
3. Applicants whose native language is not English must take the Test of English as a Foreign Language (TOEFL) and earn a paper-based score of 500 or better, a computerized test score of 173 or an Internet based score of 61 or better. If the student is currently in the United States, Accuplacer scores that are comparable to the TOEFL may be used to determine English proficiency. A student must score on the Accuplacer into the developmental English level. For information regarding the test contact: TOEFL, Educational Testing Service, Rosedale Road, Princeton, NJ 08541 USA, (609) 921-9000, www.toefl.org.
4. Letter from the financial institution that holds the funds of the person financially responsible for the student's educational and living expenses. The statement must be on official letterhead, listing the sponsor's name and the amount of money available for the student. The document must be in English and if the currency held is not in US dollars the exchange rate must be listed.
5. Affidavit or letter of support from the person who will be financially responsible for the student. This letter should include the student's name and his/her intent to attend Great Bay Community College, as well as the amount of money available for the student's education and living expenses. The letter must be signed by the sponsor and must be in English.
6. The student must submit copies of current passport and immigration documents including Visa and Duration of Status (D/S) stamp on I-20. We will also need his/her address in the country that (s)he plans to return to once (s)he graduates from this College.
7. Applicants (or their spouses) must have enough money available in an account to cover a minimum of one year of expenses that include: out-of-state tuition, fees, living expenses, and books. All of the above documentation must be submitted and the student offered admission before a Certificate of Eligibility (I-20) for an F-1 Visa will be issued. All F-1 students must be full-time (12 credit hours or more) each semester (except summer) in order to maintain their visa status. International students must meet with the Diversity Programming Coordinator upon arrival in the Center for Academic Planning and Support (CAPS).
8. International students throughout their Duration Status are not eligible for in-state or New England Regional tuition rates for day courses at any time while enrolled.
9. Health care in the United States is expensive; international students are strongly encouraged to maintain adequate health insurance coverage during their studies. Information on health insurance is available through the Diversity Programming Coordinator.

FOREIGN TRANSCRIPTS

1. Students with foreign transcripts must submit both of the following for transfer credit review:
Original College Transcript (not Diploma), translated if not in English, which lists all courses taken, grading system, and grades earned.

AND

2. Official Course-by-Course Evaluation by a third party agency. Example agencies include, but are not limited to:
 - World Education Services (WES) www.wes.org
 - Center for Educational Documentation (CED) www.cedevaluations.com
 - Educational Credential Evaluators (ECE) www.ece.org

STUDENTS WITH DISABILITIES ADMISSIONS POLICY

The college shall not discriminate against otherwise qualified handicapped persons solely by reason of his/her handicap. This policy extends to persons with identified specific learning disabilities and other disabilities under provision of Section 504 of the Rehabilitation Act of 1973 and the Americans with Disabilities Act of 1990. An "otherwise qualified" person is one who is able to meet all program requirements in spite of his/her disabilities. Students with diagnosed disabilities are encouraged to self-disclose their disability to be eligible for reasonable classroom accommodations. These students should provide the Coordinator of Disability Services with documentation of their disability, including the most recent psychological, medical, and/or academic testing within three years. The Center for Academic Planning and Support provides training and access to a variety of assistive technology as well as tutors and workshops for learning and study strategies, note-taking and organizational skills. For more information, contact Terri Varney at 603-427-7625 or tvarney@ccsnh.edu

RESIDENCY

A student's permanent home of record determines residency for tuition purposes. Normally, this is the location (town, city, state) from which the student enrolls for college. The determining factor is the official address listed on federal tax forms.

The following rules will guide the admission to the college:

- First priority for admission shall be given to residents of New Hampshire.
- Second priority shall be given to students qualifying under the New England Regional Student Program.
- Third priority shall be given to students not qualifying under the New England Regional Student Program or those not domicile in the state.

However, in highly competitive programs with limited enrollment, the Office of Admissions, while working as much as possible within the above parameters, may exercise discretion in admitting those applicants who best fit the needs and expectations of the department, the college, and the local community.

In-State Status

Students qualify for in-state tuition rate only after twelve consecutive months of domicile in New Hampshire, i.e. purchasing/renting property, obtaining a NH driver's license, vehicle registration and/or voter registration. Any request for a change of residency status must be received in writing in the Admissions Office prior to September 1 for the Fall semester, January 1 for the Spring semester, or June 1 for the Summer semester.

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 New Hampshire, 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 New Hampshire as their residence within 90 days of being discharged from the military will be considered New Hampshire residents and charged in-state tuition.

Out-of-State Status

The determination of residency is made by the Admissions Office at the time of admission. Students who wish to appeal residency may request detailed information from the Admissions Office.

New England Regional Student Program

The New England Regional Student Program (NERSP) enables residents of Connecticut, New Hampshire, Maine, Massachusetts, Rhode Island, and Vermont to enroll in out-of-state public colleges and universities in the six-state region at reduced tuition rates (50 percent above in-state tuition, rather than full-time out-of-state tuition) for certain programs that are not offered by the home state public institutions, or when the out-of-state institution is closer to the student's home than the in-state college or university.

PLACEMENT TESTING & ADVISING

Prior to registering for courses, students matriculating to an associate degree or certificate program must first take a placement test in required areas, which may include Reading, Math, Writing, and Computer Skills. This assessment will be used to place the student in the appropriate college or foundation course(s). Placement tests are also required for admittance to certain courses and programs. The Academic Placement Policy is described on page 23 of this catalog.

After completing the placement tests, students will attend an advising session to develop an academic plan for the semester. Students who are eligible to waive all placement testing requirements are still required to attend an advising session. At this time you will learn how to use the Student Information System (SIS) to look up courses, fill out a registration form, and learn more about college programs and services.

Satisfying Placement Testing

Great Bay Community College's placement policy may be waived, in full or part, for those individuals who have met one or more of the following conditions:

- Earned a minimum score of 550 on the SAT Critical Reading, SAT Math, and/or SAT Writing (with an essay score of 8 or higher) within the past five years.
- Completed a computer-based placement test (CBT) at Great Bay Community College or another accredited postsecondary institution within the past two years.
- Completed a transferable college-level math, English or computer course at an accredited institution with a C or better.

TUITION DEPOSIT

Students admitted into a Massage Therapy, Nursing, Surgical Technology, or Veterinary Technology degree or certificate program are required to submit a non-refundable advanced tuition deposit of \$100 within thirty days of acceptance or prior to term start. This deposit is applied toward tuition charges. The deposit confirms that the student has accepted the college's offer of enrollment in the chosen program. Registrations are processed in the order in which they are received until seats are filled. Your deposit is not a guarantee of enrollment in specific courses.

CLASS SCHEDULES

Class schedules noting specific times and days, are developed on a semester-by-semester basis and are published in the Semester Course Scheduler. Classes are held during the day, evening, weekend and online. Students completing program requirements may need to take classes at any of those times.



Financial Aid

The Financial Aid Office at Great Bay Community College is on the first floor of the Portsmouth campus in The College Services One Stop suite. Our Mailing address is: Financial Aid Office - Great Bay Community College - 320 Corporate Drive - Portsmouth NH 03801. Phone: (603) 427-7610 - Fax: (603) 334-6308 - Email: askgreatbay@ccsnh.edu - website: www.greatbay.edu/faoverview

DISCLAIMER

All financial aid information and policies are subject to change at any time.

OVERVIEW

Financial aid provides funds to eligible students for their direct college expenses (tuition and fees) and indirect college expenses (books, supplies, equipment, and a reasonable allowance for living expenses and transportation.) The funds come in three forms: grants, which do not have to be repaid; loans, which must be repaid; and part-time jobs from which the student earns an hourly wage. Students awarded financial aid may receive any or all of these forms of aid.

A student starts the financial aid application process by completing the **Free Application for Federal Student Aid (FAFSA)** online at www.fafsa.ed.gov. Our school code is **002583**.

The 2011-12 FAFSA is the application for aid for Summer 2011, Fall 2011, Spring 2012.

The 2012-13 FAFSA is the application for aid for Summer 2012, Fall 2012, Spring 2013.

A new FAFSA must be filed each year. The financial aid year begins with the summer term at Great Bay Community College.

The preferred filing date is March 15 for the upcoming financial aid year. Students who meet this filing date will be considered for all institutional funds and state grants. Students who file after this date will be considered on a funds-available basis. If you are unable to meet the preferred deadline, filing by these dates will help to have your financial aid in place before you begin classes:

Begin Enrollment	FAFSA	Best to File By
Summer 2011	2011-12	May 1, 2011
Fall 2011	2011-12	June 1, 2011
Spring 2012	2011-12	October 1, 2011
Summer 2012	2012-13	May 1, 2012
Fall 2012	2012-13	June 1, 2012
Spring 2013	2012-13	October 1, 2012

ELIGIBILITY REQUIREMENTS

To receive federal, state, or institutional financial aid funds administered by the Great Bay Community College, a student must:

- Be admitted to a degree-granting or an eligible certificate-granting program (16 credit hours or more) at Great Bay Community College
- Be a U.S. citizen or an eligible non-citizen
- Be enrolled for a minimum of six credits as an undergraduate (except for Pell Grant consideration)
- Be meeting the Satisfactory Academic Progress for Financial Aid standards, as defined by the Financial Aid Office (see below)
- Be registered with Selective Service (male students only)
- Not be in default on a student loan
- Not owe a refund on any federal (Title IV) financial aid
- Not have aid eligibility suspended or terminated due to a drug-related conviction that occurred while receiving Title IV assistance
- Not be receiving federal or state financial aid from another institution for the same enrollment period
- For Pell Grants, Supplemental Educational Opportunity Grants, State Incentive Grants, or Unique Scholarships, not have a prior baccalaureate degree.

All students who meet the eligibility requirements listed above, and who complete and file a valid FAFSA, qualify for federal Direct Student loans, regardless of financial need. For grant programs, Perkins Loans, Federal Work-Study and for subsidized Direct Loans, a student must have financial need, as determined by the federal need analysis calculation, based on the information provided on the FAFSA.

Federal Financial Aid does not cover costs for an audited course.

For some grants and most loans, a student must be enrolled at least half-time (6 credits.)

Students who accept loans must complete loan counseling and sign a promissory note.

To receive aid in future semesters, a student must meet qualitative and quantitative standards for Satisfactory Academic Progress for Financial Aid (SAPFA). These standards are described below and in The College's Financial Aid Handbook, available online: www.ccsnh.edu/links.html. The website address is mailed to each student who receives a financial aid award.

SOURCES OF FINANCIAL AID

The **Pell Grant** is a federal grant for students who demonstrate exceptional financial need. The Pell Grant does not have to be paid back. Awards range from \$200 to \$5,550 per year in 2010-11. To receive a Pell Grant, the student must meet all the eligibility requirements listed above, and must be an undergraduate who has not earned a bachelor's degree. If a student receiving a Pell Grant withdraws from college before completing 60% of the semester, the student may be responsible for repaying monies to The College and/or the Federal Government.

The Supplemental Educational Opportunity Grant (SEOG) is for students who demonstrate exceptional financial need. The SEOG does not have to be paid back. To receive an SEOG, a student must meet all the eligibility requirements listed above, and be an undergraduate who has not earned a bachelor's degree. Limited funds are available and are awarded on a first-come, first-served basis to students enrolled at least half-time (6 credits). Awards range from \$100 to \$1,000 per year. If a student receiving a SEOG withdraws from college before completing 60% of the semester, the student may be responsible for repaying monies to The College and/or the Federal Government.

Federal Work-Study Program (FWSP) gives students an opportunity to earn money for educational expenses by working at a part-time job at The College. Students typically work as lab, library, and office aides, under the supervision of a faculty or staff member. Off-campus positions in community service agencies are also available. Students are paid at least the current federal minimum wage and are required to sign a confidentiality agreement and to perform assigned work in a responsible and professional manner. Students must meet their course requirements prior to working a work-study job. In most cases, work-study hours are limited to 8-10 hours per week. Work-study recipients must meet all the eligibility requirements listed above, and demonstrate financial need.

Perkins Loans are low-interest (5%) loans made directly through The College with funds from the federal government and the repayment of previous borrowers. Students may borrow up to \$3000, depending on the availability of funds. Repayment begins and interest accrues nine months after the borrower is no longer a half-time student. Students must meet the eligibility requirements listed above, must demonstrate financial need, and must be enrolled at least half-time (6 credits). Students receiving a Perkins loan will be required to do loan counseling and to sign a promissory note. If a student receiving a Perkins loan withdraws from school before 60% of the semester is completed, the student may be required to repay monies to The College.

William D. Ford Federal Direct Loans are low-interest loans (3.4% and 6.8% in 2011-12) made to students by the United States Department of Education. First Year Students (31 or fewer credits earned) may borrow up to \$5,500 (\$9500 for independent students) per academic year. Second Year Students (32 or more credits earned) may borrow up to \$6,500 (\$10,500 for independent students) per academic year. Repayment begins six months after the borrower is no longer a half-time student.

- **Direct Subsidized Loans** do not accrue interest while the student attends college. Interest (4.5% for loans disbursed in the 2010-11 financial aid year) begins to accrue six months after the borrower is no longer at least a half-time student.
- **Direct Unsubsidized Loans** accrue interest (6.8% for loans disbursed in the 2010-11 financial aid year) while the student attends college, and until the loan is fully repaid.

All Direct Loan borrowers must meet all the eligibility requirements listed above, be enrolled at least half-time (6 credits per semester), complete loan counseling and sign a promissory note. Subsidized Direct loans are only awarded to students demonstrating financial need on the FAFSA. Unsubsidized loans are offered regardless of financial need.

Additional information, including current interest rates, Master Promissory Notes and Loan Entrance Counseling, is available at <https://studentloans.gov>.

The Federal Parent Loans for Undergraduate Students (PLUS) program provides funds to the parents of dependent students for educational purposes. The PLUS loan is available to the parents of students without financial need, but the FAFSA is required. Parents may borrow up to the student's cost of attendance, less any financial aid. The student who is a dependent of the borrower must meet all the eligibility requirements listed above and must be enrolled at least half-time (6 credits per semester). The borrower will be required to sign a Promissory Note. The 2010-11 interest rate for PLUS loans is 7.9%.

Additional information, including applications, current interest rates, and Master Promissory Notes, is available at <https://studentloans.gov>.

New Hampshire Incentive Program (NHIP) provides grants for New Hampshire residents attending college within or outside the state of New Hampshire. Applicants must be at least half-time students (6 credits or more per semester,) meet the eligibility requirements listed above, demonstrate exceptional financial need, and not have a baccalaureate degree. The FAFSA is the application and the application deadline is May 1 prior to the start of the academic year.

Other **State Incentive Grant Programs** operate in other states, in a manner similar to the New Hampshire state program. The FAFSA is the application and the application deadline is May 1 prior to the start of the academic year.

Alternative Loans are student loans made by private lending institutions. Alternative loans are made to the student, but a cosigner is frequently required. The student applies directly to a lender. The lender will perform a credit check and inform the student if the loan is approved, the interest rate of the loan, and whether a cosigner will be required. Like other student loans, alternative loans must be repaid.

For a complete list of financial aid policies, as well as information about scholarships and other funding sources, visit the financial aid section at www.greatbay.edu.

IMPORTANT FINANCIAL AID POLICIES

• **Returns of Federal Title IV Funds:** Returns of Federal Title IV Funds 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 States 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 balance 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.ccsnh.edu/links.html.

• **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.

• **Satisfactory Academic Progress for Financial Aid (SAPFA):** 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 Satisfactory Academic Progress for Financial Aid 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 satisfactory academic progress, all the student's enrollment periods at Great Bay Community College are included in the review. This includes enrollment periods during which the student did not receive financial aid and enrollment periods during which the student did receive financial aid. Satisfactory Academic Progress is reviewed by the Financial Aid Office at the end of each semester.

Qualitative Standard:

Cumulative Grade Point Average (CGPA) Component

A student must maintain a minimum cumulative grade point average as noted below to be considered making Satisfactory Academic Progress for Financial Aid (SAPFA):

Credits earned	Certificate or Diploma Program Minimum CGPA	Associate Degree Program Minimum CGPA
0-13	1.50	1.50
14-27	2.0	1.70
28-40		1.80
41+		2.0

Quantitative Standard:

A student must successfully complete at least two-thirds (66.67%) of the total credits he or she attempts throughout his/her academic career at The College. All attempted credits resulting in either an academic grade or administrative transcript notation will be included in the quantitative calculation. **For example, a student who has enrolled in 36 credits throughout his or her academic career at The College must pass at least 24 credits in order to be making financial aid Satisfactory Academic Progress for Financial Aid.**

Maximum Timeframe Component:

A student may receive student federal aid for any attempted credits towards 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 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.

<i>Completion Rate Component</i>	Must complete at least 66.67% of the credits attempted
<i>Maximum Timeframe Component</i>	May receive financial aid for up to 150% of the number of credits

Review Schedule:

The qualitative and quantitative components of the SAPFA policy will be reviewed at the end of each semester of the student's program of study.

Academic Periods Included in the Review:

In general, all coursework at Great Bay Community College is taken into account when reviewing an academic record for Satisfactory Academic Progress for Financial Aid. This includes periods when the student did not receive financial aid funds, and periods for which the student has received academic amnesty.

There are some exceptions. Please refer to the table below for a breakdown of how each type of course or credit is treated in the review.

	Cumulative GPA Component	Completion Rate Component	Maximum Timeframe Component
Regular courses in your program of study	Yes	Yes	Yes
Running Start/ eStart Courses	Yes	Yes	Yes
Repeat Courses	Yes	Yes	Yes
Transfer Credits	No	No	No
Consortium Credits	No	Yes	Yes
Developmental/Remedial/ESL	Yes	Yes	Yes
Incompletes	Yes	Yes	Yes
Audit Courses	No	No	No
Credit by Examination/Credit for Prior Learning	No	No	Yes

Students Making Satisfactory Academic Progress for Financial Aid:

Students who meet SAPFA standards are making Satisfactory Academic Progress for Financial Aid and retain eligibility for student financial aid for the following semester.

Students on SAPFA warning:

Students who do not meet SAPFA standards will be placed on SAPFA warning for one semester. **Students on SAPFA warning will retain their eligibility for student financial aid for the following semester.**

At the end of the warning period, the student's record will be reviewed. If the student meets SAPFA standards, the student will once again be making Satisfactory Academic Progress for Financial Aid, and will be eligible for student financial aid for the following semester.

If the student is still unable to meet SAPFA standards, he or she will be ineligible to receive financial aid. The student may appeal the decision by writing to the Director of Financial Aid (ehamlin@ccsnh.edu.) The appeal should note any extenuating circumstances regarding previous academic work, and a clear plan for improving future academic work and completing the academic program without exceeding 150% of the published credits of the student's program of study.

If the appeal is granted, the student will be eligible for student financial aid for the following semester, but will be on SAPFA probation.

Students on SAPFA Probation:

At the end of the probationary period, the student's record will be reviewed again. Students meeting SAPFA standards will be eligible for student financial aid for the following semester.

Students not meeting the standards for SAPFA will be ineligible for student financial aid at Great Bay Community College. Financial aid eligibility may be regained by meeting the published SAPFA standards.

Frequently asked questions about the Satisfactory Academic Progress for Financial Aid Review Progress (SAPFA):

Question	Answer
When is my academic progress reviewed?	At the end of each semester
Are there any warning periods?	Yes, one warning semester during which eligibility is retained
Is there an appeal process?	Yes
Can you regain financial aid eligibility once you lose it?	Yes

Tuition Rates and Fees

IN-STATE STUDENTS (New Hampshire Residents)

* \$210.00 per credit

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.

VA students enrolled under the Veterans Educational Assistant Improvement Acts of 2010 will be charged in-state tuition.

NEW ENGLAND REGIONAL STUDENTS

(CT, MA, ME, RI, VT)

Student must be matriculated in a program, and must indicate eligibility on the application for admission to The College.

* \$315.00 per credit

OUT OF STATE STUDENTS

* \$478.00 per credit

The tuition rate is subject to the approval of the Board of Trustees and is subject to change without notice.

CHANGE OF STATUS

Any student who has, on his/her first admission to the system, been classified as Out-of-State or New England Regional for tuition purposes, may apply to the college Admissions Office for a change of residency status on or before September 1 for the subsequent Fall semester, on or before January 1 for the subsequent Spring semester, and on or before June 1 for the subsequent summer term provided that the student satisfies NH residency requirements.

CREDIT BY EXAMINATION: A fee of \$25.00 per credit, plus all direct costs associated with providing a laboratory portion of an exam, will be charged to a student wishing to receive credit by examination.

CREDIT FOR PRIOR LEARNING/EXPERIENTIAL LEARNING: Students will be assessed a fee based on 50% of the current tuition rate on the total credits awarded (e.g., for 12 credits awarded: $0.50 \times \text{current tuition rate} \times 12 \text{ credits}$).

NURSING CLINICAL SURCHARGE: All nursing students taking clinical courses will be charged a nursing clinical surcharge of \$350 per semester. This surcharge is designed to assist in covering the increased expenses associated with clinical classes. This fee is in addition to the lab fee. Explanation: The New Hampshire Board of Nursing adopted a change in the chapter 600:11 of administrative rules. This chapter dictates the number of students that may be supervised by one faculty member in a clinical setting. The rule changed the student/faculty ratio from 10:1 to 8:1, which impacts clinical supervision costs. The Board of Nursing governs the instruction offered to nursing students and the Community College System must comply with their rules which took effect June 26, 1998.

PROTESTED CHECKS: A fee of \$35.00 will be charged for any check protested or returned for nonsufficient funds.

LIBRARY FINES: Students will be assessed a fine of \$.25 per item/per day for all overdue library materials.

ACADEMIC INSTRUCTION FEE

An additional fee will be charged for all Laboratory/Clinical/Practicum or other similar experiences. This fee is calculated by subtracting the number of lecture hours from the number of credit hours and multiplying the remainder by \$60. This fee will be added to the normal tuition charge for that course. (See example.) Fee will be charged to all students with no exceptions.

EXAMPLE	Lec	Lab	Credit
BIOL110 A&P I	3	3	4
(4 credits - 3 lecture hours = 1 x 60 = \$60)			

DIRECTED / INDEPENDENT STUDY

Directed/Independent Study courses follow the same registration and credit fees charges as other courses and will be charged the day rate and based on residency. Lab fees will also be charged, if appropriate.

COMPREHENSIVE FEE

\$9 per credit - This fee is charged for every credit in each credit-bearing course regardless of the number of credits taken.

COLLEGE COSTS/EXPENSES 2011-2012

Day Tuition Rates

New Hampshire Resident	\$ 210.00 per credit
New England Regional Student Program (NERSP)	\$ 315.00 per credit
Out-of-State or International Students	\$ 478.00 per credit

Evening/Weekend/100% Online Tuition Rate

Evening Courses (classes beginning 5pm or later)	\$ 210.00 per credit
Weekend Courses	\$ 210.00 per credit
100% Online Courses (does not include Hybrid courses)	\$ 210.00 per credit

Fees (required)

Placement Testing (Accuplacer) - <i>excluding International Student Admissions</i>	\$ 20.00
Orientation Fee	\$ 30.00
Application Fee (per application)	\$ 20.00
International Student non-refundable Admissions Fee	\$ 100.00
Nursing Clinical Surcharge (per semester)	\$ 350.00
Academic Instruction Fee	\$ 60.00
Student Comprehensive Fee (per credit)	\$ 9.00
Graduation Fee	\$ 100.00
<i>Each additional degree or certificate in the same semester</i>	\$ 10.00
Transcript Fee	\$ 3.00
Transcript Fee if faxed	\$ 8.00
Deferred Payment Fee	\$ 30.00
Late Payment Fee	\$ 50.00

OTHER FEES

Diploma Replacement Fee	\$ 20.00
Replacement College ID Card Fee (First card is free)	\$ 10.00
College Level Examination Program Administrative Fee	\$ 15.00
Proctor Exam Fee (non-CCSNH students)	\$ 50.00
Student Insurance (Based on 2010-11 Academic Year prices)	
Student Accident Only Coverage / 12 Months	\$ 260.00
Student Accident & Sickness Coverage / 12 Months	\$ 832.00
Student & Family Accident Only Coverage / 12 Months	\$1043.00
Student & Family Accident & Sickness Coverage / 12 Months	\$5990.00

OTHER COSTS (These required costs are estimated and vary depending on program.)

Textbooks and other Materials – estimated per semester	\$ 600.00
Criminal Background Check Fee	\$ 60.00
Hospitality - Intro to Hospitality (HOSP 110) Travel Fee	\$ 50.00
Massage Therapy - Technology Student Liability Insurance	\$ 20.00
Massage Therapy - Supplies - Portable Table, Uniform, Sheets, Lotions, etc.	\$ 800.00
Massage Therapy - Massage Therapy State Licensing Exam	\$ 125.00
Massage Therapy - Massage Therapy National Exam (NCETMB)	\$ 225.00
Nursing - NLN Preadmission RN Examination	\$ 70.00 (up to)
Nursing - Nursing Uniforms, Accessories, Supplies	\$ 150.00
Nursing - Nursing Lab Pack	\$ 106.00
Nursing - Technology Student Liability Insurance	\$ 20.00
Nursing - NCLEX (Nursing) Licensing Exam	\$ 250.00
Nursing - ATI Nursing Testing (per semester)	\$ 109.00
Surgical Technology - Technology Student Liability Insurance	\$ 20.00
Surgical Technology - Surgical Technology Tool Kit	\$ 100.00
Surgical Technology - Certification Exam	\$ 95.00
Surgical Technology - National Board of Surgical Technologist and Surgical Assisting - CST Examination	\$ 190.00
Veterinary Technology	
Veterinary Technology - Radiation Badge Fee	\$ 110.00
Veterinary Technology - Technology Student Liability Insurance	\$ 20.00
Veterinary Technology - Rabies Vaccine	\$ 625.00

**Tuition rate is subject to approval of the Board of Trustees and is subject to change without notice.*

Payment of Tuition Deposit and Orientation Fee

Applicants accepted as students in Massage Therapy, Nursing, Surgical Technology, and Veterinary Technology only must pay a non-refundable tuition deposit of \$100 within thirty days of notification of acceptance or prior to term start. The deposit reserves a place for the student and is applied toward the first semester's tuition. An Orientation fee of \$30.00 is required of all students in the semester that the student matriculates.

Senior Citizens

Adult learners aged 65 and over and who are NH residents may enroll in credit courses at a tuition cost of 50% at Great Bay Community College two days prior to the start of classes if space is available. The Academic Instruction Fee and other fees must be paid by the student. Full tuition and other fees will be charged for all non credit, enrichment, professional development, and recertification classes.

Payment of Tuition and Fees

Billing for tuition and fees is coordinated through the College's Business Office. Bills are mailed approximately 30 days prior to the beginning of each semester. In addition, electronic bills are periodically emailed to the student's Great Bay Community College email account. Payment or arrangement for payment must be made ten (10) business days before the semester starts to be officially considered registered. For late registration, payment in full must be made upon registration. Discover, Diners Club, JCB, Visa, MasterCard, check, or cash are accepted as payment. Students awaiting scholarships or financial aid awards to cover tuition may request a deferred payment through the Business Office subject to the approval of the President. Payment plans are available at the College Services One Stop through Nelnet/FACTS Tuition Management. If payment or arrangement for payment is not made by the established payment deadline, students are not considered officially registered and will be administratively withdrawn. Students who register after the established payment deadline have until end of business day to make payment arrangements and will remain responsible for tuition and fees.

Collection Clause

The following clause is included on college forms, with areas for student signature, signifying their understanding of their financial obligations.

"I understand by registering for courses at Great Bay, I am financially obligated for ALL costs related to the registered course(s). Upon a drop or withdrawal, I understand 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 collection agency. I also understand I will be responsible for the costs of the outside collection agency, any legal fees, and any bounced check fees under RSA 6:11, which will add significant cost to my existing account balance."

Veterans

The Registrar verifies veteran registrations after the Add/Drop period of the semester. Veterans are responsible for payment of tuition and fees pending the receipt of benefits.

TUITION REFUND POLICY

Credit and Non-Credit Courses

All refunds require that the student complete an official withdrawal form. Effective Fall Semester, 2011, students who officially withdraw from the college or an individual course by the end of the fourteenth (14th) calendar day of the semester will receive a 100% refund of tuition, less non-refundable fees. 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 (14th) 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. Students registered for non-credit workshops/professional training must withdraw in writing at least three business days prior to the first session to receive a full refund of tuition and fees. Refunds take approximately four to six weeks to be processed. If the college cancels a class, tuition and Academic Instruction fees will be refunded.

The College President or designee may grant a tuition refund or tuition credit under extenuating circumstances on a case-by-case basis, such as military activation, administrative error or documented long term illness. In order to receive a tuition credit, supporting information such as physician's note, hospital confirmation, military assignment, etc. must be provided. Students wishing to be considered for an exception must still complete the add/drop form. The complete procedures for students with extenuating circumstances can be obtained in the Office of the Vice President of Student Services.

Return of Title IV Funds: Mandated by Law

Students who withdraw from school before the 60% point in a semester will have to repay a portion or all of their Federal Pell Grant, Federal SEOG grant, Federal Perkins Loan funds, and Federal Direct loans to the United States Department of Education. The exact amount required to be returned will vary depending on the amount of grant and loan money the student received and at what point in time the student withdraws from the College.

In addition, the student will be liable for the balance owed the College for tuition and fees. The student will receive a revised statement of account for the expenses incurred which will include the reduction and or loss of Federal Title IV funds.

Students who choose to withdraw from the College must complete a College Withdrawal Form. This form must be signed by the student and various campus offices and then be returned to the Registrar's office.

Academic Policies

I. STUDENT ACADEMIC CLASSIFICATIONS

Matriculated student: a student who has been formally accepted to a certificate or degree program on a full-time or part-time basis. Matriculated status is maintained by taking at least one course per academic year; otherwise a candidate will be required to reapply for admission and abide by any new academic requirements in effect at that date. Each student is expected to demonstrate orderly progress in completing his/her educational objective at Great Bay.

To help clarify each student's enrollment status at The College, students are assigned to one of the following categories:

1. Full-time student - a person who is enrolled in 12 or more semester credit hours
2. Part-time student - a person who is enrolled in less than 12 semester credit hours

Non-matriculated student: a student who is taking either credit or noncredit courses, but has not been formally accepted to a certificate or degree program. Non-matriculated students are subject to the same course pre-requisites and co-requisites as matriculated students.

Requirements for graduation are defined by the program of study to which the student has been admitted at the time of matriculation.

II. DEGREE REQUIREMENTS

Associate in Arts Degree (A.A.)

The Community College System of New Hampshire offers two types of Associate in Arts degrees; one which focuses on a general liberal arts education and the other which is developed for specialized transfer designed by the offering college.

All Associate degree programs require a minimum of 64 credits.

Associate in Arts Degree: Liberal Arts

(See Program of Study section within Liberal Arts for specific Great Bay degree requirements)

English Composition	3-4	credits
English Electives	3-4	credits
Humanities/Fine Arts/Foreign 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
Total Credits	64	credits

*A computer literacy course may be included within the open elective area.

Associate in Arts Degree: Specialized Transfers

Great Bay offers Liberal Arts Specialized Transfers in American Studies, Business Studies, Engineering Science, and Teacher Preparation. (See the Program of Study section for specific degree requirements.)

English Composition	3-4	credits
English Electives	3-4	credits
Foreign Language/Humanities/Fine Arts	9	credits
Mathematics	6-8	credits
Lab Science	8	credits
Social Science	9	credits
Electives in specialized area of study	20	credits
Liberal Arts or Open Electives*	2-5	credits
Total Credits	64	credits

* A computer literacy course may be included within the open elective area.

Associate in Science Degree (A.S.)

The Associate in Science (A.S. Degree Programs) shall provide a minimum of 32 credits of specialized study in courses clearly identifiable with the technical skills, proficiency, and knowledge required for career competency. A minimum of 24 credits in General Education is required.

Courses fall into the following areas:

1. English Composition and Literature or Communication	6	credits
2. Science	3-4	credits
3. Math	3	credits
4. Social Science	3	credits
5. Foreign Language/Humanities/Fine Arts	3	credits
6. Liberal Arts Electives	6	credits

Math and English Requirements for Graduation

To earn an Associate degree, students will be required to complete successfully one or more college-level math classes and two college-level English courses as specified by the particular program and curriculum to which the student has been accepted. Students lacking basic arithmetic and algebra skills and writing and reading skills may achieve those competencies through developmental courses offered at The College. See Academic Services page 31 for placement testing information.

Elective Course Information

In addition to the required courses in a student's program, there may be elective options. Each program/discipline offers a different set of electives, so please refer to each individual program for specific options. The following information will acquaint students with the variety of elective categories and the selection of elective courses. All academic subject codes and course numbers refer only to Great Bay courses.

Business Elective: any course with the academic subject code of ACCT, BUS, MKTG, HOSP and a course number of at least 100.

English Elective: any course with the academic subject code of ENGL and a course number of at least 100.

Foreign Language/Humanities Elective/Fine Arts Elective: any course with the academic subject code of AMER, ARTS, ASL, HIST120, HIST130, HUMA, PHIL, SPAN, and a course number of at least 100. ENGL Literature Courses, other ENGL courses: ENGL210, ENGL213, ENGL214.

Liberal Arts Elective: any course listed under the categories of English elective, Social Science elective, Foreign Language/Humanities/Fine Arts elective, Math elective, Natural Resources elective, or Science elective with a course number of at least 100.

Math Elective: any course with the academic subject code of MATH and a course number of at least 100.

Open Elective: any course that The College offers with a course number of at least 100.

Science Elective: any course with the academic subject code of BIOL, BTEC (excluding BTEC205), CHEM, PHOT, PHYS and a course number of at least 100.

Social Science Elective: any course with the academic subject code of AN, ECON, GEOG, HIST, POL, PSYC, SOC, and a course number of at least 100.

Technical Elective: any course designation determined by the program of at least the 100.

III. CERTIFICATE REQUIREMENTS

Professional Certificates

Professional Certificates are granted in selected programs with a defined curriculum having a minimum of 32 and a maximum of 36 semester hours of credit. A professional certificate also consists of a minimum of 12 credits of general education credits and is designed to facilitate transfer into an Associate Degree if the student decides to continue.

Certificates

Regardless of their duration or composition, certificate programs emphasize specific skills and outcomes required for employment or career advancement. There are no specific General Education requirements, except to meet the stated competencies. More information regarding specific certificate requirements can be found in individual programs of study descriptions.

IV. GRADUATION REQUIREMENTS

1. Matriculation into the program is required prior to graduation.
2. All students earning the associate degree shall earn a minimum cumulative grade point average (CGPA) of 2.0 for graduation. All courses taken at the institution will be used to calculate the CGPA.
3. All students earning a Certificate must achieve a 2.0 grade point average (GPA). However, only those courses required in the Certificate will be used to calculate the GPA.

In addition, a student must earn a minimum number of college credits as identified by each program. All outstanding monies owed to The College must be paid before the degree or certificate is released. Students are urged to work closely with their academic advisors to ensure they are making satisfactory progress toward fulfillment of graduation requirements.

Intent to Graduate

Matriculated candidates for graduation from all programs need to complete an Intent to Graduate form and submit it to The College Services One Stop with payment of the graduation fee. After payment is received, the Registrar's Office processes a program audit to determine eligibility to graduate. Certain restrictions may apply; please check program section. Each student will be charged a graduation fee of \$100.00 when he/she files an Intent to Graduate Form. The fee will be used to cover the costs associated with program completion and will be assessed to all students who have completed their program requirements regardless of their participation in the Commencement ceremony. The fee will also be charged to individuals who will be within 6 credits of completion and to whom the college has given permission to participate in the following Spring Commencement ceremony.

This fee is non-refundable, unless a student scheduled to graduate, including those who are eligible under the 6 credit rule, fails to meet mandatory requirements at the time of Commencement. However, a student eligible under the 6 credit rule who participates in the Commencement ceremony but subsequently fails to complete program requirements will not be entitled to a refund.

Students who complete certificates of 12 credits or less are required to submit the Intent to Graduate form. These students are not required to pay the graduation fee and do not participate in commencement.

V. STUDENT RIGHTS

The College shall provide an environment that fosters academic freedom, ensures the integrity of the academic process, and protects the principle of intellectual diversity. The classroom is a forum for exposing students to scholarly viewpoints. Students will be graded not on the basis of their political, religious or ideological beliefs, but on the basis of their reasoned answers and appropriate knowledge of the subjects and disciplines they study and in accordance with the academic standards set forth in the course syllabus. Please refer to the full policy in the Student Handbook.

VI. ACADEMIC RECORDS

Attendance

It is the responsibility of Great Bay students to attend all classes, laboratory sessions, internships and clinical/co-op affiliations. Students must recognize that absence will interfere with academic success in their program of study. The instructor will be responsible for informing students of his/her individual attendance policy at the beginning of each course.

Auditing Courses

A student may enroll on an audit basis subject to individual course attendance requirements and tuition. The student must consult with the Vice President of Academic Affairs or department chair or instructor prior to registration. The decision to audit must be made at the time of registration and cannot be reversed. Audit courses carry no credit toward graduation requirements.

Under the audit policy, students may enroll in 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 enrolled as an audit, 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. Federal 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 Vice President of Academic Affairs and 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.

The Vice President of Academic Affairs may make exceptions to the above.

Change of Program

Please see Change of Major page 8

Changing Course Content and Prerequisites

Students are subject to the program requirements in the catalog of the year of matriculation into their program. The College is constantly reviewing and upgrading the content of programs offered to assure that each graduate receives current knowledge and training to perform competently in a chosen field. To accomplish this, The College reserves the right to modify course content and prerequisites based on its educational and professional objectives and the needs of its students. Please note that students must follow subsequent changes to course prerequisites independent of year of matriculation.

Course Prerequisite Waiver

Students may not waive courses within their program of study. Students may, however, waive course prerequisites. Course prerequisites may only be waived by the department chair in which the course resides.

Course Repeat Policy

For purposes of calculating the cumulative GPA (CGPA), 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 not used in the calculation. Therefore, courses repeated at a CCSNH college or at any college other than where the original course was taken will NOT be used in the calculation of the GPA/CGPA, but may be used as transfer as appropriate.

Third and subsequent attempts to repeat a course will require the approval of the department chair of the program/discipline in which the course resides in consultation with the instructor. An attempt is defined as any course in which a final grade is issued excluding "W", "WP", "AU", and "CS".

IMPORTANT NOTE: Financial aid will cover only one repeat per course.

Grading

Students are assigned grades based upon evaluations of their work. Grades are given at the end of each semester and are based on criteria listed on an individual instructor's syllabus, but generally include quizzes, tests, and projects and participation. Standards for grades are listed below. Clinical grades are recorded on a pass/fail basis.

Letter	Numerical Grade	Quality	Letter	Numerical Grade	Quality
A	93.33-100.00	4.0	P	Passing	0.0
A-	90.00-93.32	3.7	AF	Administrative Failure	0.0
B+	86.67-89.99	3.3	AU	Audit	0.0
B	83.33-86.66	3.0	CS	Continuing Study	0.0
B-	80.00-83.32	2.7	I	Incomplete	0.0
C+	76.67-79.99	2.3	W	Withdraw	0.0
C	73.33-76.66	2.0	WP	Withdraw Passing	0.0
C-	70.00-73.32	1.7	WF	Withdraw Failing	0.0
D+	66.67-69.99	1.3			
D	63.33-66.66	1.0			
D-	60.00-63.32	0.7			
F	Below 60.00	0.0			

Explanation of Grades: P, AF, AU, CS, I, W, WP, WF

P: Pass (not calculated into GPA)

AF: 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. Calculated in GPA as an "F."

AU: A course taken as an audit does not earn credit and cannot be used to meet graduation requirements. Not all courses can be taken for audit. Students must enroll in the course as auditing at the time of registration.

CS: Continuing Study. Instructor initiated grade that is intended for students who have demonstrated progress and a commitment to succeeding in the course, but who need more time to achieve competencies. "CS" grade can be applied to courses below the 100 level only. Does not affect GPA and does not fulfill prerequisites for college-level courses. Students must reregister and subsequent tuition costs apply.

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.

W: Student-initiated withdrawal from a course at any time up through the 60% point of the course. Does not affect GPA. Can be initiated by the instructor if notified by the student of extenuating circumstances that the student is unable to initiate the process (e.g., catastrophic illness or injury, job transfer to another state).

WP: Student-initiated withdrawal from a course after the 60% point of the course and before the last 10 days of the semester; student has a passing grade at time of drop, as determined by the instructor. Does not affect GPA. Can be initiated by the instructor if notified by the student of extenuating circumstances that the student is unable to initiate the process (e.g. catastrophic illness or injury, job transfer to another state).

WF: Student-initiated withdrawal from a course after the 60% point of the course and before the last 10 days of the semester; student has a failing grade at time of drop, as determined by the instructor. Calculates in GPA as an F. Can be initiated by the instructor if notified by the student of extenuating circumstances that the student is unable to initiate the process (e.g. catastrophic illness or injury, job transfer to another state).

Grade Point Averages

Scholastic standing at the end of each semester is determined via the grade point average (GPA), which is computed by dividing total quality points (grade equivalent multiplied by credit hours) by total number credit hours attempted. The cumulative grade point average (CGPA) is determined at the end of the second and subsequent semesters by dividing cumulative points by the total credit hours attempted, taking into account all previous work completed. Refer to the Student Handbook for additional information pertaining to calculating or determining GPAs and CGPAs. Only courses taken at the institution will be used to calculate the CGPA.

Incomplete Grades

An Incomplete Grade (I) indicates that a student has not completed a major course assignment (usually a final exam or culminating final assessment) due to extraordinary circumstances, such as serious illness, death in the family, etc. The grade is applied only in those instances where the student has a reasonable chance of passing. It is not used to give an extension of time for a student delinquent in meeting course responsibilities.

The work must be completed by the student through formal arrangement with the instructor no later than:

- the end of the third week in the Spring semester for a grade issued in the Fall semester
- the end of the third week in the Fall semester for a grade issued in the Summer term
- three weeks from the earliest start date of the summer term for a grade issued in the Spring semester

Should the student fail to complete the work within the designated period, the grade will automatically become an F. Exceptions to the above deadlines may be made by the Vice President of Academic Affairs.

"I" grades will not be included in the computation of grade point average. An "I" grade may affect a student's financial aid. Students should contact the Financial Aid Office on their campus for further information.

VII. ADDING/DROPPING COURSES

Before adding or dropping a class or classes, students should consult their Academic Advisor.

Add Policy

Students are allowed to add classes up to and including the seventh (7th) calendar day of the semester (prorated for alternative semester lengths-see chart below), if space is available. Students who add classes are subject to the full attendance policy and are held responsible for all course materials and assignments. Before adding a class students should consult with the instructor to determine the extent of make-up work necessary for success in the class. A course may be added after the seventh (7th) calendar day of the semester (prorated for alternative semester lengths, see chart below) only with the permission of the instructor*.

Alternative Semester Chart (If Day 2, 3, 4, 5, or 7 falls on a weekend or holiday, then that day will be the first business day following the weekend or holiday.)

Semester Length	Add Period
15-16 weeks	Day 1-7
12 weeks	Day 1-5
8 weeks	Day 1-4
6 weeks	Day 1-3
4 weeks	Day 1-2
2 weeks or less	Day 1 only

Example: If class started on Thursday, but the semester started on Monday, then Day 1 is that Monday, not Thursday.

Exceptions to Add Policy

1. 100% online classes: If the semester/class has started, a student may add a 100% online class only with the permission of the instructor* (and advisor if matriculated).
2. Lab Classes: If the semester has started, a student may add a class with a lab component only if the first class has not been missed. Once the first class has been missed, the student may add only with the permission of the instructor* (and advisor if matriculated). Examples of lab classes are, but not limited to: lab science, computer technologies, information systems technology and drawing. Final decisions of what is considered a lab class rest with Academic Affairs.

**The program chair or program coordinator may sign the add form if the instructor is unavailable.*

Drop Policy

Students who officially withdraw from the college or an individual course by the end of the fourteenth (14th) calendar day of the semester will receive a 100% refund of tuition, less non-refundable fees (Non-refundable fees are the advanced tuition deposit, application fee, and orientation fee.). Students in classes that meet in a format shorter than the traditional semester (15-16 weeks) will have seven (7) calendar days from the start of that shorter semester (not class) to withdraw for a full refund. If the seventh (7th) or fourteenth (14th) calendar day falls on a weekend or holiday, the drop refund date will be the first business day following the weekend or holiday. All refunds require that the student complete an official withdrawal form, unless dropping via SIS within the established deadline.

Example: Students in a Late Start 12-week class have seven (7) calendar days from Monday (which is the start of that 12 week semester) to drop with 100% refund. Since the seventh (7th) day is on a Sunday, the students may, therefore, drop with 100% refund by the next business day after that Sunday.

Exception to Drop Policy

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.

When a student officially drops a class:

1. Up through the 60% point of the course, the student will receive a "W" Withdraw grade on his/her transcript.
2. After the 60% point of the course and before the final ten (10) days of the semester, the student will receive "WP" Withdraw Pass or "WF" Withdraw Fail on the transcript. The "WP" is not calculated in the GPA. The "WF" is calculated in the GPA as an "F".
3. When there are fewer than ten (10) class days remaining in the semester, the student will receive an appropriate grade other than "WP" or "WF", and that grade will be computed on the transcript in the student's grade point average.

Readmission to The College

Students who have been suspended from their program of study are no longer considered matriculated at The College. See Academic Appeal Procedure for details on appealing a suspension. Students may continue to take courses at The College on a non-matriculated basis if space is available. For further information on applying for re-admission to The College see Admissions guidelines on page 8.

Academic Amnesty

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

- A. 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 college will be used to meet course requirements (where appropriate), subject to the approval of the Vice President of Academic Affairs or his/her designee.
- B. 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 has not taken any courses at The College for a period of at least 3 years from the last semester of attendance.
 2. The student applies for Academic Amnesty before the start of his/her second semester after readmission.
 3. The student has never before received Academic Amnesty.
 4. The student achieved a cumulative GPA below 1.7 during previous attendance.

Withdrawal from The College

A student who finds it necessary to withdraw from The College is strongly encouraged to complete the established process, which includes completion of an official Withdrawal Form (available from The College Services One Stop). Withdrawing students are also required to see the business office to settle any unpaid balances or arrange for any refunds.

VIII. ACADEMIC PLACEMENT POLICY

Any student admitted into a degree program at Great Bay Community College will be required to take placement tests in reading, writing, mathematics, and computer skills. The goal of placement testing is to identify areas of strength and weakness so that students are appropriately placed into math, English, and computer courses. Placement testing may also be required for other courses that are impacted by math, writing, reading, and technology competencies. In some cases, placement testing may determine acceptance into a program. Students who are applying to a certificate program may have testing requirements specific to that certificate. Testing requirements are located in Admissions, Academic Affairs, and the Center for Academic Planning and Support (CAPS).

Great Bay Community College's placement policy may be waived, in full or part, for those individuals who have met one or more of the following conditions:

- Earned a minimum score of 550 on the SAT Critical Reading, SAT Math, and/or SAT Writing (with an essay score of 8 or higher) within the past five years.
- Completed a computer-based placement test (CBT) at Great Bay Community College or another accredited postsecondary institution within the past two years.
- Completed a transferable college-level math, English or computer course at an accredited institution with a C or better.

ACCUPLACER is a computer-based assessment that is adaptive in nature, carefully selecting questions based on prior responses to get the most information in the least amount of time. College advisors will use placement scores along with other important information to develop an academic schedule that is right for each student.

Any student who has a disability that might interfere with his/her ability to take the assessment independently may request special testing accommodations from the Coordinator for Disability Services. Students who are nonnative speakers of the English language may access a variation of the placement test (LOEP) that will determine course placement based on assessed levels of English proficiency.

* ACCUPLACER is a product of The College Board, a division of the Educational Testing Service (ETS)

IX. ENGLISH DEPARTMENT POLICIES

PLACEMENT POLICY

ENGL 098 is the first in a sequence of developmental courses designed to build the requisite skills for success in ENGL 110. The prerequisite for ENGL 099 is placement or a grade of "C" or better in ENGL 098. In order to move directly from ENGL 098 to ENGL 110, the following conditions must be met: minimum grade of B in ENGL 098 plus instructor approval OR Accuplacer placement in ENGL 110.

COLLEGE COMPOSITION I POLICY

Students must pass the research component of ENGL110 College Composition I in order to pass the course.

X. ADVANCED STANDING

Only courses taken at the institution will be used to calculate the CGPA. A matriculated student who is able to present evidence supporting education in one or more courses applicable to the student's program of study may request that those credits/experiences be evaluated and applied to graduation requirements. Four methods of gaining advanced standing are as follows:

1. Transfer of credit from another institution
2. College Level Examination Program (CLEP)
3. Credit by Examination (Challenge)
4. Credit for prior learning experience
5. Advanced Placement (AP) Credit
6. First Year Seminar Equivalency

1. Transfer of Credit from Another Institution. Students may transfer credits earned at other accredited institutions for coursework required by their Great Bay Community College major program. It is the student's responsibility to furnish The College with a official transcripts of academic courses from each college they have attended and a catalog from each institution attended with course descriptions for which transfer credit is sought. Grades of "C" or better in courses judged by The College to be equivalent in nature and content to Great Bay Community College offerings will be accepted. Final determination of transferability rests with the Vice President of Academic Affairs. Students seeking a degree or certificate at Great Bay Community College must fulfill residency requirements. A student must have a minimum of 64 credits in order to complete a degree and must complete all required courses for his/her academic program. Students who transfer in three credit math courses or ENGL 110 College Composition I may need to take additional elective courses to meet the degree credit minimum.

Students with foreign transcripts must submit both of the following for transfer credit review:

1. Original College Transcript (not Diploma), translated if not in English, which lists all courses taken, grading system, and grades earned.
AND
2. Official Course-by-Course Evaluation by a third party agency. Example agencies include, but are not limited to:
 - World Education Services (WES) www.wes.org
 - Center for Educational Documentation (CED) www.cedevaluations.com
 - Educational Credential Evaluators (ECE) www.ece.org

2. College Level Examination Program (CLEP)

Students with previous academic experiences in specific subject areas may choose to earn credits by taking a nationally standardized exam known as CLEP. Great Bay is an approved testing site for CLEP, providing examinations in the areas of Composition and Literature, Foreign Languages, Social Sciences, History, Science, and Mathematics. A complete list of the CLEP exams accepted for credit by Great Bay, along with corresponding course names and credits, is available in CAPS (Center for Academic Planning and Support).

Successful completion of a CLEP exam is treated as a transfer credit. Students will need to request that a copy of their scores be sent to Great Bay for review. This request is made to The College Board and can be done during or after the exam. Acceptance of CLEP exams for transfer credits will be based on the following criteria:

- The student has earned a passing score as defined by The College Board and The College.
- The student has been accepted into a program.
- There is a course within the student's program of study that is equivalent to the CLEP exam.

Although CLEP credits count towards graduation, CLEP scores are not calculated into a student's GPA or in any way interpreted as a grade. Additionally, CLEP credits may not be applied towards Great Bay's residency requirement. Students may not transfer CLEP credits for a course they have successfully completed or for a course that is more advanced than the subject of the exam. Any student who fails a Great Bay course and wishes to take a CLEP exam in lieu of retaking the course must realize that the original grade received will remain on his/her transcript and will be counted in the CGPA. The CLEP exam score does not replace a grade for a Great Bay course. Students should speak with their academic advisor if they have questions regarding this process. CLEP exams are administered on the computer (CLEP CBT) through the Center for Academic Planning and Support. Individuals needing testing accommodations or optional essays must allow a minimum of two weeks prior to testing to process these requests. For more information, contact CAPS: (603) 427-7621.

3. Credit by Examination (Challenge Exam)

Not all courses are appropriate for credit by examination. Individual colleges and departments will be responsible for determining if a course is eligible for credit by examination. Credit by examination may be earned only by a matriculated student who, by study, training or experience outside the CCSNH College has acquired skill or knowledge equivalent to that acquired by a student enrolled in The College. A student is eligible for a maximum of sixteen (16) credits through credit by examination. Students shall pay an examination fee as set by the Board.

If the student passes the exam, using criteria developed by the respective department, appropriate credit(s) shall be applied to the student's academic record and a notation entered on the student's transcript indicating successful completion. Since a traditional grade (A-F) is not entered, the Credit by Exam is not calculated into the student's GPA. If the student fails to pass the exam, no entry is made on the academic transcript but a record of the unsuccessful completion will be maintained in the student's file. A student who does not pass the Credit by Exam will be ineligible for another Credit by Exam in that course.

The student should complete the form available in Academic Affairs and then meet with an appropriate faculty member to discuss obtaining credit by examination. Final approval rests with the Vice President of Academic Affairs or his/her designee. No exam is to be issued until all fees are paid and all approvals have been obtained. The date for the exam shall be determined by the instructor administering the exam, but shall not take place more than 30 days after the date of the instructor's approval.

4. Credit for Prior Learning - Experiential Learning

Credit for prior learning offers students the opportunity to demonstrate the knowledge they have gained through life experiences and apply this knowledge towards credit in a degree or certificate program. To prepare for this option, students will develop a portfolio to be assessed by appropriate college personnel. A student must be matriculated to be eligible to apply for experiential credit. Not all programs provide the experiential credit option; students should consult with their program chair. Students may be awarded a maximum of 24 credits for experiential learning.

A request for Credit by Prior Learning should initiate with the faculty advisor or faculty member who normally teaches the course for which the student wishes to receive credit. After initial discussion, the student should submit the appropriate approval form available in the Academic Affairs Office. Upon approval, the student must develop a portfolio that demonstrates achievement of the course objectives and competencies. The portfolio would minimally contain a cover letter and resume, extensive work experience explanations, letters from employers, certificates of accomplishment, samples of work, as well as any other information deemed appropriate. The responsibility of proof will be on the student requesting evaluation. The portfolio is then reviewed by an appropriate faculty member, the department chairperson, and the Associate Vice President of Academic Affairs.

5. Advanced Placement (AP) Credit

Transfer credit may be awarded for appropriate outstanding secondary school work as demonstrated through Advanced Placement (AP) exams. Students with score results of 3 or higher in subject areas required of their program must request an official AP grade report be sent to Great Bay Community College for evaluation.

Students who pursue advanced standing in their program via transfer credit, CLEP, AP, Credit by Examination or Credit for Prior Learning, or a combination thereof, must still meet The College's residency requirement.

6. First Year Seminar Equivalency

The College offers a one-credit course called First Year Seminar, which is designed to provide specific skills to students that will maximize academic performance. This course is required by many programs of study. Credit for this course may be awarded if:

- The student has previously completed an Associate or Bachelor's degree from an accredited college or university.
- The student has previously attended an accredited college or university other than Great Bay Community College and completed a minimum of 12 credits (excluding developmental and Pass grades) with at least a 2.7 cumulative grade point average.
- The student has eligible transfer credit.

Please Note: There is no equivalency for FYE 103 Essential Skills for College Success, unless the student has eligible transfer credit.

XI. RESIDENCY REQUIREMENT

In order to establish residency in an institution, the following is required:

1. For an Associate Degree, a minimum of sixteen (16) semester credits must be completed either as a full-time student, a continuing education division student, or a combination of each from credit courses offered directly by and under the full control of the institution concerned. At least eight (8) credits must be taken in advanced level courses in the student's major.
2. For Diploma or Professional Certificate, a student must complete at least nine (9) credits or 25% of the credits, whichever is larger, required for the Diploma or Professional Certificate at the institution from which it is awarded. Whichever is larger, required for the Certificate at the institution from which it is awarded.
3. For a Certificate, a student must complete at least 6 credits or 25% of the credits, whichever is larger, required for the Certificate at the institution from which it is awarded.

XII. TRANSFER TO OTHER INSTITUTIONS

Transfer policies vary from institution to institution. When transfer to another institution is sought, the number of transfer credits granted for courses completed at Great Bay is determined entirely by the institution to which the student transfers.

Transcripts

Transcripts must be requested in writing and forms are located in College Services One Stop or can be accessed online from The College website. The first two transcripts are free. Thereafter, official transcripts are \$3.00 each; there is an additional \$5 fee for faxing. There is no fee to send a transcript within the Community College System of New Hampshire. A student's transcript is private information. No third party may receive a copy of a student's transcript without the student's written consent. Student accounts must be paid in full in order to receive a transcript.

In accordance with FERPA regulations, if a student has a hold on an account because of outstanding financial obligations he/she will be able to view the final grades at the conclusion of the semester in question through Student Information System (SIS). However, the student will be unable to view his/her entire transcript on SIS, but may view the entire transcript in the Registrar's office on request. No official transcript will be released until all outstanding financial obligations are resolved.

XIII. ACADEMIC HONOR CLASSIFICATIONS

President's List: Any student enrolled in a degree program carrying a minimum of 12 semester credits and earning a grade point average of 3.70 or higher for a given semester will be placed on the President's List for that semester.

Vice President's List: Any student enrolled in a degree program carrying a minimum of 12 semester credits and earning a grade point average of 3.30 – 3.69 for a given semester will be placed on the Vice President's List for that semester.

Graduation Honor: Students who graduate within the appropriate range of cumulative grade point averages are designated with the honor list below:

3.30 – 3.59	Cum Laude (with Honors)
3.60 – 3.89	Magna Cum Laude (with High Honors)
3.90 – 4.00	Summa Cum Laude (with Highest Honors)

XIV. ACADEMIC STANDING CLASSIFICATIONS

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. Calculation of Cumulative Grade Point Average (CGPA) will be based on all courses taken at the institution, including developmental or remedial courses.

Grade	Counts as Accumulated for Academic Standing (Counted in GPA):
Letter Grades A-F	Yes
WF	Yes
AF	Yes

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 not meeting the criteria below will be placed on Academic Probation:

1-13 Accumulated GPA credit hours:	1.50 CGPA
14-27 Accumulated GPA credit hours:	1.70 CGPA
28-40 Accumulated GPA credit hours:	1.80 CGPA
41+ Accumulated GPA credit hours:	2.00 CGPA

Note: *Financial Aid may be in jeopardy if a student fails to achieve satisfactory academic progress as defined above.*

Academic Suspension Definition: Students who remain on Academic Probation for three consecutive semesters will be placed on Academic Suspension.

OR

Students not meeting the criteria below will be put on Academic Suspension:

1-13 Accumulated GPA credit hours:	0.50 CGPA
14-27 Accumulated GPA credit hours:	1.10 CGPA
28-40 Accumulated GPA credit hours:	1.25 CGPA
41+ Accumulated GPA credit hours:	1.50 CGPA

The student may no longer remain in the program and may not re-apply for re-admission for a minimum of one semester, unless approved through The College Suspension Recovery Program.

Suspension Recovery Program

Students who receive a letter of Suspension have three options.

1. Students may "stop-out" (stop attending) for one or more semesters, and reapply after a minimum of one semester.
2. Students may take Liberal Arts classes on a non-matriculated basis (not admitted in a degree or certificate program), and reapply into a program after a minimum of one semester.
3. Students may enroll in The College's Suspension Recovery Program via a Continued Participation Agreement (CPA). This option allows students to continue their matriculation in a degree program on a contractual basis. Enrollment in this Agreement has no bearing upon a student's eligibility for Financial Aid. The process for enrolling in this program will be included in the letter of Suspension.

Program Suspension

Some programs have program and grade requirements that supersede Academic Standing Classifications. These programs include: Nursing, Massage Therapy, and Surgical Technology. This is called a Program Suspension and these programs have individual appeal and re-admission policies and procedures. For more information please see individual programs. Students suspended from their programs are not eligible for the Suspension Recovery Program.

Grade Appeal Policy

Any appeal of a grade must be initiated by the student with the instructor before an ensuing semester has elapsed. Students should be advised that in most instances a grade may be changed only by the instructor. The Vice President for Academic Affairs, the only other individual on campus empowered to change a student's grade, may alter a student's grade only in a case of obvious computational error or blatant abuse of the grading prerogative.*

Students who believe they have a valid ground for a grade appeal will use the following process to resolve the issue:

1. Meet with the instructor. The student shall contact the faculty member and schedule a meeting to discuss the grade appeal and attempt to resolve the conflict. The faculty member and student shall meet within the next five (5) work days. **
2. Meet with the Program Director/Department Head. If the issue was not resolved in Step 1, the student has three (3) work days from the date of the faculty member's decision to file a written appeal with the faculty member's Program or Department Head, or with the VPAA if the faculty member is also the Department Head or Program Director. Within three (3) work days the Department Head (or VPAA) will mediate the dispute either through discussion with the instructor, or with the student in the company of the faculty member. If no resolution is reached, proceed to step 3.
3. File a written appeal with the Vice President of Academic Affairs (VPAA). If the issue is not resolved in Step 1, the student has three (3) work days to file a written appeal with the VPAA (or designee). The letter of appeal must include the student's name and contact information, the course name and number, the semester in which the course was taken, the student's grade, the name of the instructor issuing the grade, and specific evidence of obvious computational error and/or blatant abuse of the grading prerogative.* The VPAA (or designee) will have ten (10) work days from receipt of the written appeal to render a decision. The decision of the VPAA (or designee) is final.

**Note that "blatant abuse of the grading prerogative" refers to situations in which an instructor has willfully ignored published grading and assessment criteria and/or has exhibited bad faith by acting in violation of published performance/behavior standards for faculty.*

***There are times, especially during the summer, that the schedules of the faculty member, the Department Head, and/or the Vice President are not compatible with the timeframes specified above. Students who have been unsuccessful in their attempts to reach the faculty member may contact the Academic Affairs Office directly. A representative of the Academic Affairs Office will then make every attempt to arrange the required meeting with the course instructor and Department Head within the five (5) days indicated in Step 1. Students are advised, however, that it may not be possible in all cases to do so.*

Academic Warning

The instructor may give a student an academic warning at any time if the student is failing or in danger of failing a course.

XV. ACADEMIC HONESTY

True learning can exist only in an environment of intellectual honesty. As future professionals students have a particular responsibility to themselves and society to conduct their academic studies with integrity. Great Bay Community College must refuse to allow plagiarism and cheating; all of us must work to create an environment in which intellectual curiosity and honesty are valued.

Refer to the Student Handbook for definitions of cheating and plagiarism. Instructors are empowered to impose sanctions as outlined in the Student Handbook. Violations will be referred to the Academic Affairs Office.

XVI. ACADEMIC PRIVACY

Family Education Rights and Privacy Act (FERPA) In compliance with the Family Rights act and Privacy Act of 1974 (The Buckley Amendment), it is the policy of The College to protect the educational/academic records of its learners, former learners, and alumni. All personally identifiable information in a learner's educational record is considered confidential. FERPA rights apply at the point of matriculation or registration, regardless of minor status. The identifying status is the process which makes the individual a student at this college.

The federal law includes provisions for disclosure of Directory Information by educational institutions. The College considers the following to be Directory Information: Student's name, telephone number, city/town, e-mail address, major field of study, enrollment status (e.g. full-time or part-time), degrees, awards, honors. IF YOU DO NOT WISH DISCLOSURE OF ANY OR ALL OF THE CATEGORIES OF IDENTIFIABLE DIRECTORY INFORMATION, YOU MUST NOTIFY THE REGISTRAR IN WRITING PRIOR TO THE CLOSE OF THE LAST DAY TO ADD.

Please consider very carefully the consequences of any decision by you to withhold any category of general Directory Information. Should you decide not to release general Directory Information, any future requests for such information from non-institutional persons or organizations will be refused, except as provided by law.

The College will honor your request to withhold general Directory Information, but cannot assume responsibility to get in touch with you for subsequent permission to release it. Regardless of the effect upon you, The College assumes no liability for honoring your instructions that such information be withheld.

Copies of the Family Educational Rights and Privacy Act of 1974, Part 99 of Title 45, dealing with Privacy Rights of Parents and Students, may be obtained from the Vice President of Student Affairs or the Office of the Vice President of Academic Affairs.

Student Records

- A. Students have the right to review the contents of their records. Students will be given access to their own records within a reasonable period of time, but in no case shall access be withheld for more than 45 days after the request has been made. The Registrar is authorized to release this information. Students wishing access to their records must contact the Registrar personally. In cases involving the possibility of misinterpretation of data, the Vice President of Academic Affairs or his/her qualified designee shall interpret the data to the student.
- B. Students shall have the opportunity for a hearing to challenge the contents of their college records to ensure that they are not inaccurate, misleading, or in violation of their privacy or rights. This challenge must be made in writing to the Vice President of Academic Affairs.
- C. Students may authorize the release of their records to intended persons or institutions by completing the Authorization to Release Records form. No access or release of any personally identifiable records or files on students will be allowed to any individual, agency or organization without prior written consent of the student, except as follows:
 1. To internal and external officials directly involved with a legitimate educational interest.
 2. To authorized Federal and State officers as identified in Section 438 (b) 3) of Public Law 93- 380.

XVII. IMMUNIZATION POLICY

Students, regardless of age, who are accepted into a CCSNH program requiring participation in a clinic, practicum, internship, co-op, or field experience, or students who participate in inter-collegiate athletics, must present documented proof of immunization against measles, mumps, rubella, tuberculin skin infection and tetanus before participation can be approved. Individual colleges may include additional groups or constituencies at their discretion. Records will be maintained by the department requiring immunization documentation, or by another office or individual deemed appropriate by The College. See individual programs requirements.

XVIII. ADDITIONAL ASSOCIATE DEGREES

Students may earn additional Associate Degrees or Certificates within programs either by concurrent completion of the requirements of the several degrees or by subsequent study after the first degree is received. The requirements for earning additional degrees are as follows:

1. Complete all requirements of each program of study, including general education requirements; and
2. Earn a minimum of 15 additional credits at The College beyond those required for the first and subsequent degrees.

Students must be matriculated in both degree programs or degree/certificate programs.

XIX. INDEPENDENT STUDY FOR MATRICULATED STUDENTS

Opportunities for credit-bearing Independent Study are available to matriculated students who wish to explore areas of a discipline not covered in the normal curriculum but related to the student's program. Independent Study is not available to non-matriculated students. Matriculated students must have a minimum CGPA of 2.0 to be eligible for an Independent Study. The intent of the Independent Study is to expand a student's learning experience beyond the normal program curriculum. Typically undertaken for 1-2 credits, an Independent Study may not be done in lieu of any course existing in Great Bay Community College's catalog. The final approval rests with the Vice President of Academic Affairs.

XX. DIRECTED STUDY FOR MATRICULATED STUDENTS

Under certain circumstances a matriculated student may take a course in a semester when the course is not offered. A directed study allows a matriculated student to pursue the published learning objectives/outcomes for a course independently under the guidance of a qualified faculty member. A matriculated student must have a minimum CGPA of 2.0 to be eligible for a Directed Study. The student must demonstrate compelling reasons why the course could not be taken in a subsequent semester or was not taken in the semester when it was originally offered in the curriculum. Barring exceptional circumstances, a directed study will not be granted for a course currently being offered. The final approval rests with the Vice President of Academic Affairs.

XXI. COMPUTER USE POLICY

Summary of Acceptable Use Policy for Computing Resources for Great Bay Community College.

This document contains guidelines regarding the use of computing and networking facilities located at or operated by The College. The definition of Great Bay Community College computing facilities includes any computer, server or network system or system element provided or supported by The College. Use of the computer facilities includes the use of data/programs stored on The College computing equipment, data/programs stored on magnetic tape, floppy disk, CD-ROM or other storage media that is owned and maintained by The College. The "user" of the system is the person using the systems from any connection point (e.g. a keyboard) locally or by remote access, requesting an account (or accounts) or logging on to an existing account in order to access any college asset. The purpose of these guidelines is to ensure that all students and authorized visitors use The College's computing facilities in an ethical and lawful manner. The College computing system is a state-owned system, and network monitoring is used to ensure reliable performance and the integrity of the network.

1. The College's computers are for non-sensitive and non-confidential use only. Students are warned that there is no inherent security in the system and should not use college systems for any work that should be protected.
2. Individual users are responsible for maintaining their own data. The College is NOT responsible for the integrity of any student data stored on servers or systems maintained by the institution.

3. Users should report any weaknesses in The College's computer security and any incidents of possible misuse or violation of this agreement to the proper authorities by contacting The College's IT Department. Users shall not attempt to access any data or programs contained on the Great Bay network, or any other network accessed, for which they do not have authorization.
4. Users shall not make unauthorized copies of copyrighted software, except as permitted by law or by the owner of the copyright.
5. Users shall not make copies of system configuration files for their own or others' unauthorized personal use.
6. Users shall not purposely engage in activity with the intent to: harass other users; degrade systems performance deprive an authorized college user access to a college resource; obtain extra resources beyond those allocated; circumvent The College's computer security measures or gain access to a college system for which proper authorization has not been given.
7. Fraudulent, harassing or obscene messages and/or materials shall not be downloaded, viewed, sent to/from or stored on college systems.
8. To ensure systems and software compatibility and to reduce chances of malicious code infections, users shall not download, install or run any applications programs without first consulting the course instructor.
9. Users will not run from any college system any software which reveals weaknesses in the security of a system or that can be used as a hacking tool, unless within the guidelines and under the supervision of a college course. For example, college users shall not run password-cracking programs on college computers.

Noncompliance with these requirements constitutes a violation and will be reported to the Chief Campus Officer and the IT Department of Great Bay Community College. Violations will be referred to a judicial committee. Serious violations may result in civil or criminal prosecution.

Use of The College's computing facilities constitutes implicit acceptance of and agreement with the Acceptable Use Policy for Computing Resources for Great Bay Community College found in the Student Handbook.

XXII. STUDENT EMAIL POLICY

Upon registering, students are assigned a student email address which supersedes any existing personal email address stored in The College system's records. The College student email is the primary communication vehicle between the student and all college departments and courses. Any email notices, course information, and communications from The College will be directed to a student's college email account only. Any message sent to or from a personal email account is subject to quarantine and/or removal from the CCSNH email server.

XXIII. SERVICE LEARNING

Service learning combines community service with academic instruction. Students enrolled in courses with a "service learning" component as part of the academic experience are guided through a critical analysis of what they observe in the field and what is presented in class.

This "service-learning" approach enhances the breadth and depth of student learning in at least three domains:

- Academics/higher order cognitive skills
- Life skills
- Sense of civic responsibility and ability to be an effective member of the communities where they will reside after graduation.

The service-learning program focuses on promoting service learning as an effective teaching strategy within the existing curricula of The College. Course learning outcomes are the basis for integrating projects that serve The College or the community at large. In order to preserve the academic integrity of a service learning opportunity, students are not graded on simply "putting in the hours". Rather, they are graded on specific assignments and/or projects that demonstrate learning from the service-learning experience. Some courses will provide built-in experiential projects; others will require the student to identify his/her own project. Service-learning activities have been demonstrated as positive learning experiences for both students and faculty. Courses with required Service-learning components are labeled SL in the semester course scheduler.

XXIV. STUDY ABROAD OPPORTUNITIES

The Community College System of New Hampshire, in partnership with Hellenic American University (HAU) in Athens, Greece, has created an accredited study abroad opportunity for students at all of the CCSNH schools. Eligible students will spend a semester in Athens, living on the HAU campus while completing twelve credits of transferable coursework. Students interested in studying abroad through HAU should contact their advisor for details.

XXV. TRANSFER OPPORTUNITIES AND ARTICULATION AGREEMENTS

As a comprehensive community college, Great Bay has developed partnerships with public and private four-year institutions both in and out of New Hampshire. These partnerships include articulation agreements, lists of transferable courses and their equivalencies, sample plans of study toward a particular major, and 2+2s, which allow Great Bay students junior status and/or dual admission. Great Bay students have successfully transferred to the following regional colleges as well as colleges throughout the United States.

- Rivier College
- Chester College
- Franklin Pierce University
- Southern New Hampshire University
- Plymouth State University
- Granite State College
- University of Massachusetts-Lowell
- University of New Hampshire
- University of New Hampshire - Manchester
- Keene State College
- University of Southern Maine
- University of New England

Transfer Pathway Programs

NH Transfer Connections Program

The NH Transfer Connections Program is specifically designed to prepare students for successful transfer from Great Bay Community College to University of New Hampshire, Keene State College, Plymouth State University, or Granite State College. Advantages of the program include transfer-focused advising, academic counseling and support, and a streamlined USNH application process with no additional application or fee. In addition to smaller class sizes, affordable tuition, and flexible schedules, the benefit of starting an education at Great Bay Community College is the opportunity to transfer 24 or more credits towards a baccalaureate degree. For more information please visit www.nhtransfer.org or contact CAPS.

Southern New Hampshire University Dual Admissions

Great Bay Community College and Southern New Hampshire University, based out of Manchester, have developed an academic articulation agreement that allows students who have completed an Associate Degree program at Great Bay Community College to automatically matriculate to SNHU to complete their bachelor's degree. Participation in this dual admission agreement can take place at the time of the student's acceptance to Great Bay or any time prior to graduation from Great Bay. All academic course work in which a student has earned a 2.0 Cumulative Grade Point Average (CGPA) or grade of C or higher in individual courses is fully transferable from Great Bay. Students must enroll at SNHU within one year of completing their program at Great Bay.

In addition to the long-term cost savings on tuition that the program affords, students also benefit from a waiver of their application fees to SNHU. Dual admission also allows prospective SNHU students to secure the curriculum requirements of the academic year in which they are accepted and SNHU Advisors meet with students enrolled in the program at regular intervals to advise on course selection and provide program information.

As an added benefit, students who enroll as a full-time resident student at SNHU with an overall CGPA of 3.0-3.49 or higher from Great Bay will receive a \$5000 academic scholarship. Students with a CGPA of 3.5-4.0 will receive a \$6000 scholarship. These scholarships are for the academic year and renewable if the student receives a CGPA of at least 3.0 at SNHU.

Granite State College Pathway for Careers in Education

Granite State College and Great Bay Community College have begun working together to deliver a seamless pathway to students wishing to pursue a career in education. The collaboration between the two colleges enables students who successfully complete coursework leading to an associate degree from Great Bay Community College to automatically matriculate, without additional application fees, to Granite State College where they can complete their bachelor's degree and earn their post-baccalaureate teacher certification. Students can then apply their post-baccalaureate work toward credit needed for a master's degree from Keene State College.

The innovative partnership is especially appealing to paraprofessionals wishing to advance further in the field of education and individuals looking to change career paths and pursue teaching.

Students choosing to take advantage of this innovative program earn 68 credits at Great Bay Community College for their associate degree and an additional 60 credits at Granite State College to complete the requirements for their bachelor's degree. Advising from each institution is provided to participating students. Teacher Certification can be earned with 32 additional credits from Granite State College. Of these, 24 credits can be applied toward the masters program at Keene State College leaving the need to earn only 12 additional credits to earn a master's degree.

Franklin University Online Bachelor Degree Completion

Great Bay Community College has signed an articulation with Franklin University, one of the nation's leading online educational institutions. The partnership will allow students who have completed their associate degree, and a core of general education and major-specific "bridge" courses at Great Bay Community College, to then earn a bachelor's degree with 40 to 50 more online credits from Franklin. You can obtain more information and a Franklin University application by going to www.alliance.franklin.edu or by contacting CAPS.

Additional articulation agreements are maintained by individual departments at The College.

For more information on any of these transfer opportunities, contact the Career and Transfer Services Coordinator: (603) 427-7624 or the program advisor.

Academic Support Services

I. CENTER FOR ACADEMIC PLANNING AND SUPPORT

Academic planning and support services are available to both student and community members through the Center for Academic Planning and Support (CAPS). Services include: placement testing and review for new students, peer and professional tutoring, computerized instruction, workshops, disability and ESOL support services, international student advising, career exploration, academic and transfer counseling and assessment. In addition, the Center maintains a computer lab, study/tutoring space, a computer training room, and testing rooms. Students are encouraged to visit CAPS during their first week of classes to familiarize themselves with the services and staff. CAPS services are free of charge to students enrolled in credit-bearing courses. Community members may access the Center and its services through the purchase of a Community Access Card.

Hours of Operation*:

Monday - Thursday	8:00 am to 7:00 pm
Friday	8:00 am to 4:00 pm
Saturday	8:00 am to 12:00 pm*

**Hours may vary during the summer semester and/or when classes are not in session. Updated hours are posted throughout the Center and on the CAPS webpages.*

For more information about any CAPS service, or to receive a brochure, email CAPS at greatbaycaps@ccsnh.edu, visit the website at www.greatbay.edu/caps, call 603-427-7621, or drop in during open hours. CAPS is located in Room 210.

Academic Counseling

CAPS counselors work with students at any point in their program in developing academic skills and strategies, as well as organizational and other life management techniques. Specialty advising is available in the areas described below, and students may work collaboratively with faculty and CAPS counselors around these topics. When appropriate, students are referred to outside agencies for further assistance.

Career Development

CAPS provides students with career counseling and advisement, help choosing a major, and employment-seeking strategies. CAPS administers a career interest profiler eCHOICES, which allows students to explore different career paths and educational opportunities and to make informed decisions based on numerous factors including interest, ability, and salary requirements. CAPS also maintains an online job and internship database for student and community use. Alumni may continue to use career services free of charge for three months after graduation, and are encouraged to access the community "One-Stops" (NH Works) for additional career exploration and job search assistance. For more information, contact the Career/Transfer Coordinator.

Transfer Counseling

Transfer options are discussed earlier in this catalog under "Transfer Opportunities and Articulation Agreements". CAPS services include assistance with exploring colleges for transfer, transfer application process, and course selection at GBCC based on future transfer goals. For more information contact the Career and Transfer Coordinator or visit www.NHtransfer.org

Tutoring Services

Both peer and professional tutors are available in many subject areas to help students gain greater knowledge/confidence in their learning strategies; develop organizational skills; and complete assignments successfully. Tutoring options include: Math, Writing, Science and Computer Drop-In Centers; tutor-facilitated study groups; one-to-one tutoring; small group tutoring; online tutoring; as well as multimedia, computerized tutorials and software applications. Schedules for tutoring are posted each semester in CAPS and on the website at www.greatbay.edu/caps/tutoring. The tutor program trains and certifies its tutors via the College Reading & Learning Association (CRLA) national standards. For more information about receiving tutoring or becoming a tutor, contact the Tutor Coordinator.

Developmental Education Services

Students who are transitioning to college from GED or adult education programs, or who have been away from school for prolonged periods, may access CAPS support in developing college readiness skills. Specialized assistance is provided in managing the process of becoming enrolled, getting connected with college resources, and improving skills for success and confidence in the classroom. For more information, contact the Coordinator of Developmental Education Services.

Disabilities Support Services

Community College System of New Hampshire (CCSNH) Disabilities Services Mission Statement:

It is the mission of CCSNH Disabilities Services to provide equal educational access, opportunities, and experiences to all qualified students with documented disabilities who register with the college's Disabilities Services Office. Reasonable accommodations are provided to students to allow them to achieve at a level limited only by their abilities and not by their disabilities. Assistance is provided in a collaborative way to help students develop strong and effective independent learning and self-advocacy skills, as they assume responsibility for reaching their academic goals.

In compliance with Section 504 of the 1973 Rehabilitation Act and the Americans with Disabilities Act of 1990, the College does not discriminate against students with disabilities in terms of program admission and/or opportunities for academic success. Students are entitled to equal access to programs and services for which they are otherwise qualified.

Although students are not obliged to disclose their disability, in doing so they become eligible to receive support services that promote retention and success. As each student's needs are unique, the provision of services is designed individually each semester. Reasonable accommodations are determined by the nature of the disability, requirements of the curriculum and specific classes, and timeliness of the request.

To access services students must provide recent documentation of their disability to the Coordinator of Disability Support Services. All information is kept confidential. For more information or to schedule an appointment, contact the Coordinator of Disability Services or visit our website at www.greatbay.edu/caps.

Grievance Policies and Procedures Appeal Process for a Student Denied Disability Services:

Students denied disability services may submit a written appeal of the decision. Appeals should be sent to the Director of the Center for Academic Planning and Support (CAPS) and to the Vice President of Academic Affairs (VPAA) within ten (10) working days of receipt of the decision from the Disabilities Counselor. The Director and VPAA will research the appeal and provide a decision to the student within ten (10) working days of receipt of the appeal letter.

If the student does not agree with the decision of the Director of CAPS and the Vice President of Academic Affairs, the student may submit a written appeal to the President of Great Bay Community College. The original documentation and recommendation of the Disabilities Counselor will be reviewed by the President (or designee), who will communicate his/her decision in writing within fifteen (15) working days of receipt of the written appeal. The student may then appeal this decision to the Chancellor of the Community College System of New Hampshire, if desired. Inquiries may also be directed to the US Department of Education, Office of Civil Rights, 33 Arch Street, Suite 900, Boston, MA 02110-1491; (617) 289-0111; TDD: (877) 521-2172; email: ocr_boston@ed.gov.

English for Speakers of Other Languages (ESL/ESOL) and International Student Services

ESL and international students receive specialized academic support and advising services, which include: skill development in oral and written communication, reading, study skills, test preparation, tutoring, and more. Other supports include advising regarding immigration status, employment eligibility, health insurance, taxes, travel, and legal referral. Students are encouraged to participate in the International Club to promote social growth and cross-cultural understanding. For more information, contact the Diversity Programming Coordinator.

Gender equity/Nontraditional fields of study

Nontraditional fields of study are occupations or fields of work in which individuals from one gender comprises less than 25 percent of the total number. Examples include computer science, nursing, and several other emerging high skill occupations. Support, resources and scholarships may be available for students studying in nontraditional fields. For information regarding these services and which programs are considered to be nontraditional, please contact the Diversity Programming Coordinator in CAPS.

Testing

A variety of testing/assessment offerings are managed through CAPS, including placement testing, and CLEP testing, which are described individually in this catalog. Other testing services include proctored exams for distance learners, alternative testing services for faculty, and student assessments for academic and career purposes.

Workshops

The Center for Academic Planning and Support works collaboratively with other departments throughout the college and outside partners to offer non-credit workshops in a variety of subjects relevant to students and faculty. Dates and times are posted in the college events calendar and/or through promotional materials. In-class workshops may be requested by faculty through a Workshop Request Form, available in the Center and on the website. Community members may attend workshops for a fee or by purchasing a Community Access Card.

II. ACADEMIC ADVISING

The goal of academic advising is to assist students in creating academic plans that will help them achieve their educational goals. Through conversation, assessment, goal setting, and strategic planning, students are empowered to create academic schedules that reflect program requirements and take into consideration obligations to family, work, and community. The process of advising at Great Bay Community College is characterized by communication and connection between the student and his/her advisor. Through a mutual exchange of questions and information, students and advisors share ideas and generate solutions. The advisor-advisee relationship is potentially one of the most significant partnerships a student will experience while at Great Bay. Students are encouraged at all times to seek out their advisor to ask questions, share concerns, get help, plan for the future, or simply to "check-in".

The Advising Center

The Advising Center is staffed by professional advisors, who are available to assist students with any advising questions they might have. The Advising Center is responsible for coordinating advising services and training for the college. The Advising Center also provides advising to off-campus sites.

New students: Upon completion of their placement testing in CAPS, new students will be assigned to an advising session during which they will work with Advising Center Staff to complete their first semester schedules. The group advising sessions inform students of college policies, procedures and expectations, as well as college organizations and activities. Depending upon their program of study or area of interest, students will be assigned a faculty advisor upon completion of their advising session.

Non-matriculated students are advised through the Advising Center.

Students in the following programs, concentrations, and interest areas are advised by [program](#) faculty.

Career/Technical Programs		Technical Concentrations	Liberal Arts Concentrations
Accounting	Management	DMT/Game Programming	LA/American Studies
Biotechnology	Marketing	DMT/Digital Communications	LA/Business Studies
Computer Technologies	Massage Therapy		LA/ Engineering Science
Criminal Justice	Medical Office Admin Assistant		LA/Teacher Preparation
Early Childhood Education	Nursing		LA/Biological Science
Homeland Security	Surgical Technology		LA/Chemistry
Hospitality Management	Veterinary Technology		Liberal Arts Interest Areas*: English, Humanities, Social Science, Math, Physics, Environmental Science
Information Systems Technology	Digital Media Technology		

**Liberal Arts students who intend to apply to a selective program such as Nursing, Surgical Technology, Veterinary Technology and Massage Therapy are advised by Liberal Arts Faculty. See the Advising Center for a complete list of faculty advisors.*

Liberal Arts students who are undecided are encouraged to use the Advising Center.

Great Bay Community College is a member of the National Academic Advising Association (NACADA).

III. LIBRARY

The Library supports the teaching and learning activities of Great Bay Community College and provides informational services for New Hampshire residents. A full range of library services is available, including: circulation of our 12,107 volume library and 109 current periodical subscriptions for browsing and research, remote access to information provided by 59 databases and 65,110 electronic books, instructor reserves, research/reference support, information literacy training, photocopying, fully loaded media carts, information via free access to the Internet and interlibrary loan.

Hours and Locations

The Library is open Monday through Thursday from 8 am to 8 pm, on Friday from 8 am to 4 pm, and on Saturday from 8 am to 12 pm. Hours may change during holidays and summer. Please call the Library for current hours.

Reference Help

Librarians have professional expertise in helping students find and use information. Librarians are familiar with library assignments handed out in classes and also offer instruction in the print and electronic research process. Students can access assistance at the Library circulation desk, by phone, or via email. Questions can be e-mailed to reference@ccsnh.edu.

Online Access

Using Library workstations or their own computers off campus, students can access the online catalog, locate full-text periodical articles, search electronic reference sources, access entire e-books, or search the Internet. Begin at the Library home page www.library.ccsnh.edu. Only current students can access electronic resources from off campus. Call the Library for further assistance in remote use.

Academic Programs Material

Library materials include: reference resources, circulating books; electronic books; online full-text databases of periodicals and reference materials, print periodicals, local, state, and national newspapers, and a wide variety of audiovisual materials such as videos, DVDs, and CDs. All media materials and the equipment to use them are available for use in the Library. In addition, there is a reserve collection of materials, placed on reserve by instructors for specific classes.

Reserves may be in print or audiovisual format. From Library workstations, students can also access Blackboard, web email, and the Internet. Thousands of periodicals and newspapers are available in print or online. Many online databases offer the full text of periodical articles that students may print, download, or send via email. Librarians can show students how to use these resources.

Saving Documents, Printing, E-mailing, and Copying

Current Great Bay Community College students may print 10 pages per day from Library workstations; however, students are encouraged to bring formatted 3.5-inch disks or jump drives to the Library for downloading information. Students may also email information from many Library resources to themselves. The Library also has a photocopier for use. Copies are \$.10 each.

Material from Other Libraries

Students needing material that is at another Community College System of New Hampshire campus can request that it be sent through interlibrary loan. Students may make a request themselves online through the card catalog or ask a Library staff member to make the request.

Great Bay Community College students, under a reciprocal agreement, have access to the resources of the University System libraries. These include the libraries at UNH Manchester and Durham, Keene State, Plymouth State and Granite State College. Students, with a valid picture student ID, may go to these libraries and borrow materials directly at no charge. Please be aware that if materials are not returned to any University System library, students will be responsible for the full replacement cost of the items plus any applicable fees. This will result in a charge being placed on the student's account at Great Bay Community College and will need to be paid before registering for classes, receiving transcripts or graduating.

Fines

Fines for all items are .25 cents/day per item. A hold will be placed on student records if materials are not returned or fines are not paid. This hold must be cleared before a student can check out more materials, register for classes, graduate, or obtain transcripts.

Access, Use, and Check-out Procedures for Library Materials

Students need a current Great Bay Community College photo ID to check out Library materials. Books are loaned for three weeks. Loan periods for other materials vary and may include room-use-only restrictions.

Student Identification Cards

Students may obtain a college ID in the Library during normal weekday operating hours. Students must know their Student ID numbers and must have photo IDs with them (driver's license, passport, military ID). Cards are required for borrowing library books, returning books to the campus bookstore and for student discounts at area merchants or public facilities. Students may also have borrowing privileges at other college libraries through presentation of their Student Identification Cards to participating college libraries. Students will need to stop by the Library at the start of each academic year in order to get a current expiration sticker for their IDs.

Lost Identification Cards

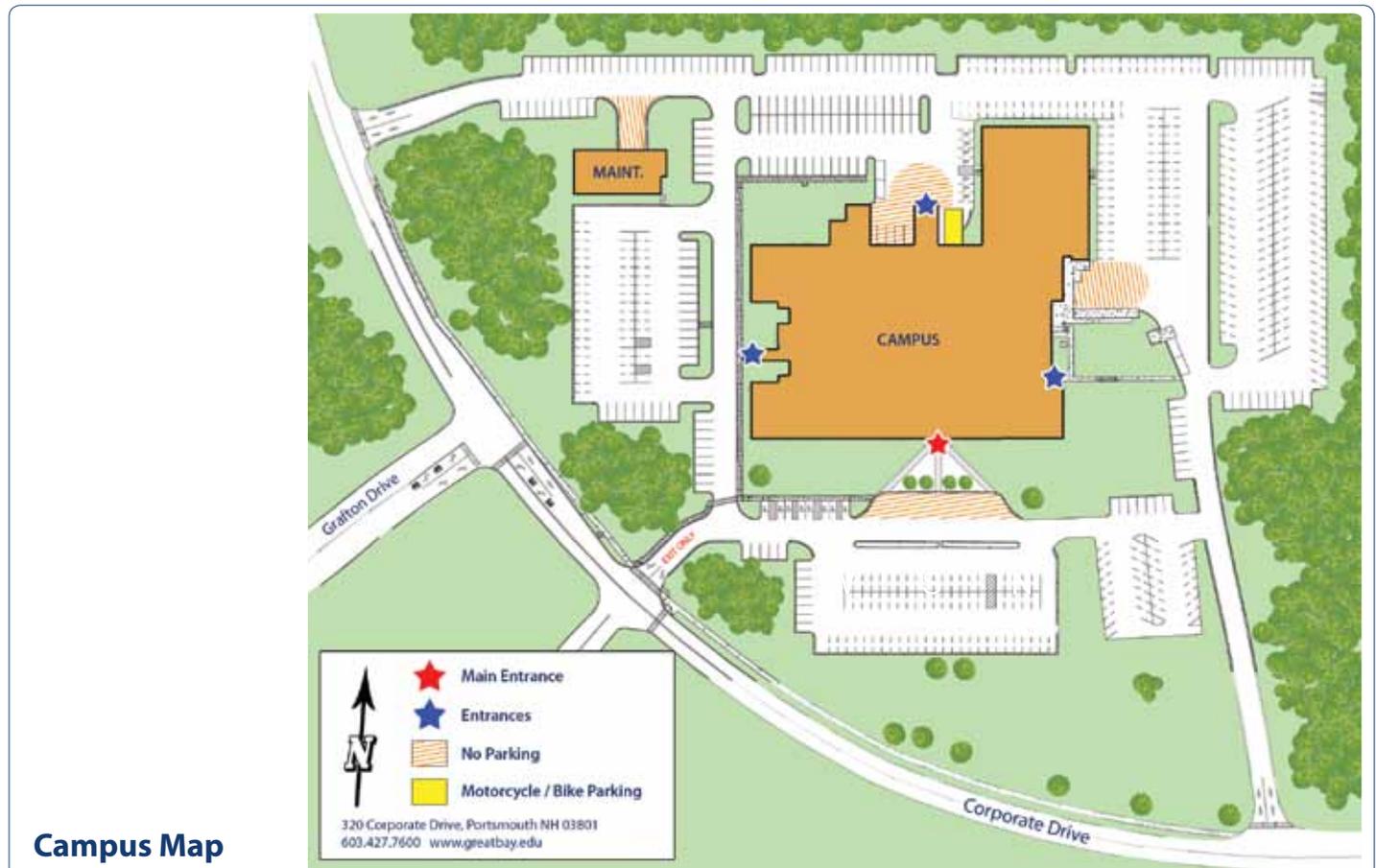
Any student who loses an identification card can obtain a new card at a cost of \$10 (payable at College Services One Stop).

IV. FYE: FOR YOUR EDUCATION

FYE is an institutional commitment to student success. It is based on a national trend in higher education that promotes a supportive teaching and learning environment and fosters positive choices and academic habits among students who attend college. We believe that all students who attend Great Bay Community College can benefit from the supports and programs offered through this initiative. FYE works in partnership with faculty, staff and service departments at the college to enhance the experience for all students. FYE provides information, study tools, and critical skills students need to transition, learn, and succeed in college. Students may experience the intentions of FYE through faculty instruction and classroom activities, advising sessions, the Center for Academic Planning and Support (CAPS), Student Life and academic program events. FYE maintains a special kiosk in the lobby of the campus to assist students with questions, bulletin boards around the campus with academic and co-curricular information, and a website with study skills and support information.

V. PROJECT SUCCESS

Project Success is a program designed to provide career assessment, personal and academic support, and community access to needed services for single parents, displaced homemakers, and single pregnant women enrolled in career and technology programs at Great Bay Community College. Funded by the Carl C. Perkins Vocational Educational Grant, eligible students may receive funds to help with books, tuition, fees, and supplies. Weekly small group meetings are required. For more information regarding the application process, contact the Project Success Director.



Student Services

Bookstore

The college maintains an on-campus bookstore stocked with textbooks, supplies, novelty items, and college clothing articles. The college contracts with a private vendor to run the bookstore. Students who have questions about pricing, books or any issues should direct their inquiries directly to the bookstore at (603) 427-0891. Students can also purchase text books online. The bookstore can be accessed through the college web site.

Student Identification Cards

Identification cards are issued free to students throughout the year at the Library. A picture ID must be presented at the time you are requesting a Student ID. College Identification Cards are required for borrowing library books, returning books to the Campus Bookstore, and for student discounts at area merchants or public facilities. Students may also have borrowing privileges at other college libraries through presentation of their Student Identification Card to participating college libraries.

Lost Identification Cards

Any student who loses an Identification Card can obtain a new card at a cost of \$10 (payable at College Services One Stop.)

Information Technology Services (IT)

Classroom computers and College technology systems are maintained and updated by the College's Information Technology department. IT staff work directly with faculty and Department Chairs to support the learning needs of a diverse student population. Many classrooms are outfitted with SMART Boards and hook-ups for mobile teaching labs. Wireless networks exist for instruction, meetings, and special events. Open computer labs are located in the library and in the CAPS Department for students to work on assignments and access online learning environments such as Blackboard. Information Technology specialists also partner with Disability Services to review, purchase, and implement assistive technology for students with disabilities.

Cafeteria

The college cafeteria is located on the main floor. Students can buy hot or cold foods, drinks, and pastries. The cafeteria hours are posted each semester. Meals are available at reasonable prices, and vending machines are also available. The college contracts with a private vendor to run the cafeteria.

Campus Security

Uniformed, trained security personnel are stationed at the Front Desk to monitor traffic coming into and exiting the building, respond to any safety concerns that may arise, and provide an escort service for those students, faculty and staff who would like to be accompanied to their vehicles.



GBCC Alerts

An emergency notification system has been developed whereby members of the Great Bay community will be notified by telephone, e-mail and text of any emergencies that may occur. Most commonly these notices will be related to weather related cancellations and closings, but could involve any number of other possible emergency situations. Students must "opt-in" to this service, and may do so by clicking the GBCC Alerts button on the front page of our website.

Bus Service

Great Bay Community College students ride the COAST Bus Service free with their valid College ID Card. Bus service is available Monday-Friday. Schedules are available at the front desk.

Housing and Living Expenses

The college does not maintain residence halls or assume responsibility for housing. Students are advised to check on campus to see if any information about local housing options have been made available or have been posted. Arrangements and contracts for housing are solely between the student and the landlord.

Insurance

A special accident and illness insurance policy is available to all students enrolled with the CCSNH. Enrollment information is provided through a mailing during the summer months or at new student orientation. Brochures are also available at the front desk. The basic policy covers illness and accidents occurring in and out of school. Other details are available within the brochure. The college is not liable for personal injuries incurred by students who are in attendance. Students are encouraged to either provide their own coverage or purchase the insurance provided by the System.

All Nursing and Allied Health Students who have a clinical must have accident and illness insurance, as well as professional liability coverage. Information regarding this professional liability coverage is available in the Nursing and Allied Health Departments.

All students who wish to participate in intercollegiate athletics must produce evidence of enrollment in an accident insurance policy.

Student Handbook

The college's student handbook is available to all students on the college website. The student handbook documents academic and student policies and procedures. Students are responsible for being familiar with the information in the student handbook.

Campus Crime Report

Each year the College compiles a report which identifies the frequency with which certain crimes have been reported to have occurred on campus and on adjacent public property. In addition, related policies, programs and services are identified. This report may also be accessed on our website under the "About Us" tab on the front page.



Student Life



Student Life Mission Statement

The Student Life office supports the mission of Great Bay Community College by providing a comprehensive experience that focuses on the whole student. The Student Life office encourages learning beyond the classroom by working in active partnership with student, faculty, and staff colleagues to foster student opportunities which complement academic pursuits.

The Student Life office strives to promote student growth and development for learning, involvement, leadership, and community building through diverse co-curricular cultural, social, educational, athletic, and recreational activities.

Student Campus Leadership Program (FREE)

The Great Bay Community College Campus Leadership Program is designed to help students develop the skills that will allow them to become better leaders in every aspect of their lives while directly connecting them to the college community. The program has three primary objectives:

1. To connect students with Great Bay Community College faculty, staff and fellow students.
2. To provide students with experiential learning opportunities that will allow them to utilize the skills they have learned in the leadership program and in the classroom.
3. To provide students with an opportunity to develop soft skills that are needed to be successful in their personal and professional lives.

Students who enroll in this free program participate in a fall retreat, workshops, and experiential learning activities throughout the year. Participants are also required to attend and participate in student engagement opportunities.

The number of students accepted into the Leadership Program is limited. Applications are available in Student Life. For more information contact the Director of Student Life at 603-427-7644.

Student Community Leadership Program (FREE)

The Great Bay Community College Community Leadership Program is designed for students who have completed the Campus Leadership program and would like to further develop their skills. The Community Leadership program builds on the skills that students learned in the Campus Leadership program. The program has three primary objectives:

1. To give students individual direction in developing their leadership style through experiential learning and mentorship.
2. To get students connected with members of the Greater Seacoast community. Students will serve as a mentee to a member of the Greater Seacoast community in their field of study.
3. To provide students with an opportunity to develop their leadership styles and soft skills through a hands on project. As a group students will plan, develop and implement a GBCC wide community service project.

Students who are accepted into the free Community Leadership Program must attend the fall leadership retreat.

The Community Leadership Program is only open to those students that have completed the Campus Leadership Program. Space is limited. Applications are available in Student Life. For more information contact the Director of Student Life at 603-427-7644.



Athletics

The role of Athletics at Great Bay Community College is to complement and supplement the educational mission of the college. The Athletic Department provides learning experiences for all collegiate athletes and gives each individual the opportunity to share in personal and team success. Involvement in athletics provides opportunities for collegiate-athletes to develop a sense of unity while building a community for all students, alumni, faculty/staff and friends of the College.

The College is a member of the Yankee Small College Conference (YSCC). Conference members include NHTI, Nashua Community College, Vermont Technical College, Southern Maine Community College, Central Maine Community College, Unity College, University of New Hampshire, and the College of St. Joseph's (VT).

The College offers teams in the following sports:

- Men and Women's golf
- Men's and Women's bowling

The athletic program is committed to enriching the intellectual and physical capabilities of its student-athletes, while developing and building a respected, competitive national-level program. Great Bay Community College takes pride in its athletic program and the collegiate-athletes who have become part of its tradition. For more information contact the Director of Student Life at 603-427-7644.

Student Government Association

Student Government Association includes elected Executive Officers, elected Senators, and appointed Freshman Representatives. The Great Bay Community College student government represents Great Bay Community College students in all facets of campus governance, and funds student organizations. Elections for Executive Officers and Senators are held each Spring Semester. Freshman Representatives are appointed throughout the year. For more information contact the Director of Student Life at 603-427-7644.



Student Organizations

There are many student organizations on campus representing diverse student interests. Each recognized student organization has a college advisor, but is controlled by the students. Starting a new club requires at least four students with the same interest and one faculty/staff member to serve as an advisor. Current active clubs include:

- Alternative Spring Break
- Book Club
- Campus Activity Board
- Christian Fellowship
- Digital Arts and Media Club
- Gaming Club
- Great Bay Student Nurses Association
- History Club
- Hospitality Club
- International Club
- ISPE (Bio-tech) Club
- IST Club
- Kappa Beta Delta Honor Society
- NAVTA (Veterinary Tech) Club
- Outdoor Adventure Klub
- Pease Greeters
- Phi Theta Kappa Honor Society
- Student Ambassador
- Surgical Technology
- Teacher Prep Club
- The Heron Literary Journal
- The History Club

For more information contact the Director of Student Life at : 603-427-7644.

Student Activities

Students are encouraged to take advantage of the wide range of social, health and community service activities offered. All college sponsored student functions are coordinated in conjunction with the Director of Student Life. These include the monthly Great Bay Community College Coffee House Music Series, Food for Thought Lecture Series, all health and wellness programs, and cultural events and other activities. Activities are listed on the college calendar on the website. For more information contact the Director of Student Life at 603-427-7644.

Running Start and eStart

RUNNING START

The New Hampshire Running Start program is a unique higher-education initiative for high school school juniors and seniors. Specifically, this program enables high school students to enroll in selected college courses offered by Great Bay Community College at a significant reduction in tuition. College courses are offered during the day at high schools throughout New Hampshire.

The Running Start program promotes a very special - and important - partnership with secondary schools. This partnership will play a significant role in promoting access to higher education and lowering the costs associated with obtaining a college education.

Program Goals

The Running Start program is focused on the following goals:

- Reduce the cost of higher education.
- Encourage more young learners to seek a higher education.
- Accelerate the process of higher education.
- Enroll more young students in the CCSNH.
- Retain more residents in the New Hampshire public higher education system.

Benefits for Students

- Students receive college credit and appropriate high school credit.
- Students will graduate high school with a college transcript of earned credits.
- Students are recognized as Great Bay students with access to many college resources.

Assessment Testing

Students will have the opportunity to take Accuplacer assessment testing offered at the high school or college. This assessment is required of any student who wishes to enroll in a College Composition or Math course.

Cost

The cost to enroll in a Great Bay course through Running Start is \$100 per course, plus books and supplies (if not provided by the high school). This represents a substantial savings in college tuition costs.

Faculty Information

All teaching faculty come from the ranks of the secondary schools and meet or exceed the hiring qualifications for Great Bay faculty. There is no adjunct salary compensation for Running Start faculty. Great Bay will support professional development opportunities for Running Start faculty (e.g., faculty mentors, Great Bay Community College symposia, and other college activities). Great Bay will also issue one course voucher for every college course that is taught. These course vouchers cover the cost of tuition (fees excluded) and are intended for the use of Running Start faculty. Running Start faculty may elect to transfer their voucher.

Transfer Opportunities

Running Start alumni have successfully transferred credits to many colleges and universities. Transferability policies vary from college to college and are dependent on a variety of factors such as major course of study.

For Further Information

Contact the Running Start coordinator or your local high school regarding courses offered for college credit through the Running Start program.

eSTART

eStart is a partnership between the Virtual Learning Academy Charter School (VLACS) and the Community College System of New Hampshire (CCSNH).

Credits earned through eStart are dual credits - high school and college. The online courses are taught by CCSNH faculty. eStart courses are only available to high school juniors and seniors who are enrolled in a public school, private school, alternative school or home school program.

The Community College System of New Hampshire eStart tuition is \$100.

The college credits may be used for degree programs at CCSNH or transferred to other post secondary institutions.

Students and parents: Contact your school's guidance department to be sure the eStart course meets requirements for high school credit and graduation.

FYE - For Your Education



For Your Education is Great Bay Community College's commitment to student's college success. FYE works in partnership with departments, faculty and services across the College to enhance a student's experiences by providing information, study tools and aiding in the development of the skills needed to transition, learn, and succeed at Great Bay. Online or in person at the kiosk in the lobby of the college, FYE is there to assist by answering questions, providing a connection to resources and supporting student's journeys during their time at the College.

Goal Statement: Great Bay embraces a culture that promotes a supportive teaching – learning environment and fosters positive choices and academic habits among first year students.

Outcomes: As a result of participation in intentionally designed first-year programs, courses, and services, students will...

- Feel connected to faculty, staff, students and the larger college community.
- Access, as needed, available resources and support services.
- Understand college policies and be able to follow college processes and procedures.
- Function at "college-level" expectations of academic performance and behaviors.
- Engage in curricular and co-curricular activities.
- Clarify and progress towards their educational goals.
- Navigate challenges and obstacles with greater confidence and persistence.
- Identify and utilize individual strengths to achieve their potential.
- Have opportunities to participate in a continuum of linked activities that students see as interconnected elements of their success

The FYE Kiosk located in the main lobby of the college is staffed regularly by FYE representatives who are on hand to answer questions to support academic success and engage students.

FYE Bulletin Boards are located on each floor of the College and are updated regularly to provide information on important academic dates, club and organization information and events. Students are encouraged to enroll in a FYE Study Skills course to boost academic success.

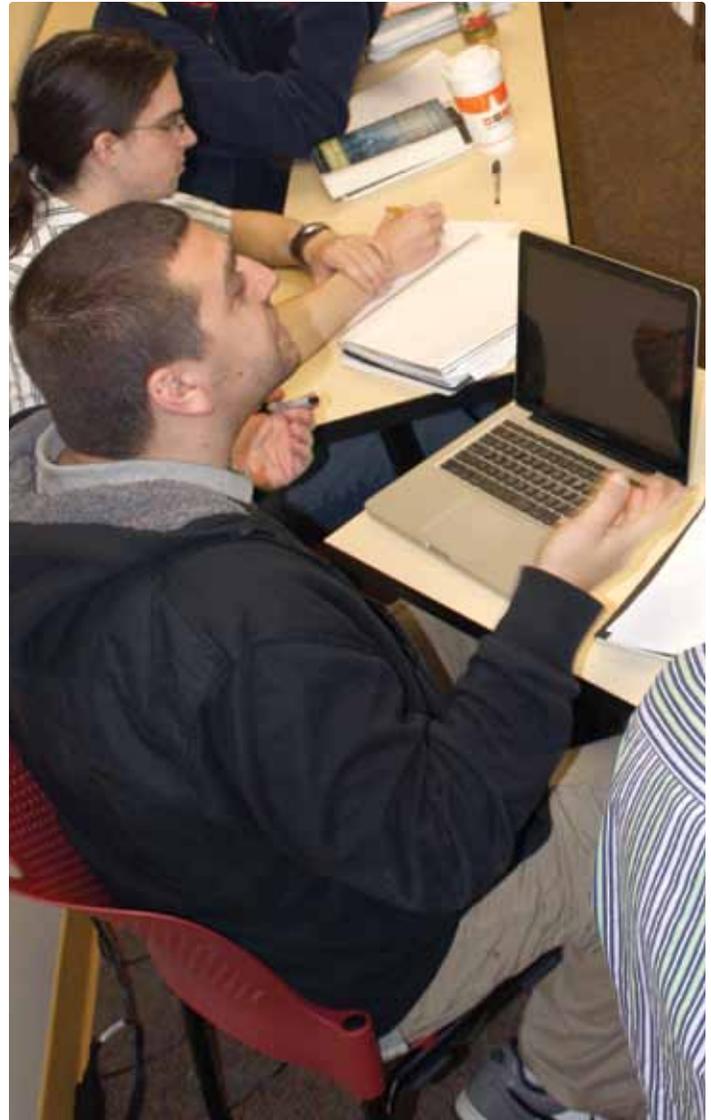
The FYE website www.greatbay.edu/fye offers further information on areas including Study Skills, eFolios and Online Learning Orientation.

FYE: *For Your Education*

For more information on FYE contact:

Anita Ward French,
FYE Coordinator

Email: afrench@ccsnh.edu Phone: 603-427-7668



Business & Training Center

BUSINESS & TRAINING CENTER

In addition to non-credit enrichment offerings at the college, the Business & Training Center is focused on building the skills and aptitudes needed by employers of the Seacoast region. Programs provide short term training solutions for entry level positions as well as professional development for mid and upper management. The Business & Training Center faculty and consultants bring a depth and breadth of experience and expertise to evaluate needs and deliver training solutions to improve productivity and performance. Customized delivery of both credit and non-credit programming can be offered on-site and on campus.

OUR CURRENT COMMUNITY AND CORPORATE EDUCATION PROGRAMS AND OFFERINGS INCLUDE:

I. SKILLS, TASKS, RESULTS TRAINING (START) HOSPITALITY NON-CREDIT CERTIFICATE

The Skills, Tasks And Results Training (START) program, developed by the American Hotel and Lodging Education Institute, is a one year work-readiness training program for transition-age Youth and Adults with Disabilities. Students prepare for positions in the rooms and food/beverage division of a lodging operation. The program includes classroom training and 90 days of internship and on-the-job instruction. Learning the foundation skills of professionalism and having access to career exploration, particularly in the guest services industry are important workplace components of this program. Workplace and independent living capabilities are developed through focused assessment, reading, writing and math skills development. Workforce Investment Act Funding Approved

Curriculum Breakdown:

Fall	TR600 Start Hospitality – Part I
Spring	TR601 Start Hospitality Part II
Summer	TR602 Start Hospitality – Part III

II. ADMINISTRATIVE OFFICE ASSISTANT PROGRAM

This one semester program provides work-readiness training that supports transition to an office environment. This program includes both credit and non-credit course offerings. Upon completion of the program, participants are provided with the skills to perform the tasks of an entry level office administrator, including:

- Business organization and terminology
- Introductory MS Office Computer skills
- Office equipment operation
- Medical, Legal or Financial Focus

Workforce Investment Act Funding Approved

Curriculum Breakdown:

Required Courses:

CIS110	Introduction to Computers	3 credits
BUS110	Introduction to Business	3 credits
NCPD253	Office Skills and Technology	Non-Credit

Electives – select one:

ACCT113	Accounting and Financial Reporting I	3 credits
AH110	Medical Terminology	3 credits
BUS211	Business Law	3 credits

III. PRODUCT AND INVENTORY MANAGEMENT NON-CREDIT CERTIFICATE

Offered in collaboration with APICS, the Granite State Chapter #85, this program provides preparation for the Certificate in Product and Inventory Management (CPIM) exam. A CPIM Certification is essential for professionals in production and inventory management, operations, supply chain management, procurement, materials management and purchasing.

Five courses make up the preparation for the individual and final certification exams. Each course is delivered over 12 weeks. Instructors are APICS certified to teach. The program covers essential terminology, concepts and strategies related to demand management and planning.

Workforce Investment Act Funding Approved.

An APICS certification program

Curriculum Breakdown:

NCBU098 Basics of Supply Chain Management	Non-Credit
NCBU102 Detailed Scheduling and Planning	Non-Credit
NCBU105 Execution and Control	Non-Credit
NCBU106 Master Planning of Resources	Non-Credit
NCBU110 Strategic Management of Resources	Non-Credit

IV. LEAN HEALTHCARE CERTIFICATE

This essential eight day program will provide Direct-Care Professionals and Support Staff with the fundamental tools and indispensable knowledge to implement Continuous Improvement in the workplace. Participants will master the critical steps which they can take to assure dramatic, continuing improvements. The program is held on-site at a local hospital so that a combination of classroom and real-time learning can take place.

This course is a must for: top managers seeking to apply LEAN Thinking in their facilities, new hires at companies using LEAN principles, anyone considering implementing a Continuous Improvement program, employees looking for a comprehensive refresher and anyone who is planning to take the National LEAN Certificate Exam. Workforce Investment Act Funding Approved

Curriculum Breakdown:

NCBU114	LEAN Health Care	Non-Credit
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V. PERSONAL CARE ATTENDANT PROGRAM

This 40 hour training program is designed for new applicants and current professionals in the field of Home Health Care. It includes classroom content and simulated skill practice that focuses on care for the elderly and disabled, personal care, infection control, nutrition, and Alzheimer's disease. Workforce Investment Act Funding Approved

Curriculum Breakdown:

NCHC32	Personal Care Attendant	Non-Credit
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VI. OUTDOOR POWER EQUIPMENT REPAIR

This program offers certification training for Small Engine Professionals. Classroom and hands-on experience help to build an understanding of theory, as well as troubleshooting, repair and maintenance skills. The program is designed for the homeowner and those considering a career in outdoor power equipment repair. Each workshop is designed to build skill and prepare participants for the Outdoor Power Equipment (OPE) Certification Exams. Workforce Investment Act Funding Approved.

HM001	Small Engine Repair	Non-Credit
HM005	Outdoor Power Equipment Electrical Systems	Non-Credit
HM011	Outdoor Power Equipment Mobile Generator	Non-Credit

VII. MANUFACTURING TECHNOLOGIES

These one semester work-ready training program courses provide introductory skill development for professions in manufacturing. Each course covers critical processes of design, set-up and creation through hands-on lab instruction. Workforce Investment Act Funding Approved

Machine Tool and Computer Numerical Control (CNC) Technology

NCTD01	Introduction to Machine Tool Technology and Computer Numerical Control (CNC)	Non-Credit
NCTD02	Advanced Machine Tool and CNC Technology	Non-Credit

Non-Credit Tuition Refund Policy

Students registered for non-credit workshops/professional training must withdraw in writing at least three business days prior to the first class to receive a full refund of tuition and fees. Students registered for credit bearing courses are subject to the tuition refund policy on page 17. Refunds take approximately four to six weeks to be processed. If the college cancels a class, tuition and lab fees will be refunded.

Funding for Training

Workforce Investment Act (WIA)

WIA provides funds for all Community Education programs to qualified individuals. For qualification guidelines, speak with a counselor at the local NH Works office www.nhworks.org

Trade Act

Trade Act can fund all Great Bay Community College programs to qualified individuals who lost their job to overseas markets. For qualification guidelines, speak with a counselor at the local NH Works office www.nhworks.org

NH Job Training Fund Grant (NHJTF)

The NHJTF Grant is given to NH businesses to improve the capability of their workforce. The member colleges of the Community College System of NH are the preferred training vendors. To find out more about the NHJTF Grant, go to www.nhjobtrainingfund.org and contact the BTC staff to discuss training solutions.

Contact the Business & Training Center at (603) 427-7652

Core Attributes



Institutional Objective:

This institution holds the belief that the academic program of each student (in completion of the requirements of the major and the general education requirements) provides the opportunity to develop core attributes that support both personal and professional growth and goal achievement.

Human Relationship Skills:

The application of values, collaboration skills, standards, ethical judgment, and appreciation of diversity required for personal and professional interaction.

Communication Skills:

The ability to express ideas and share knowledge in a clear, focused, and organized manner.

Critical Thinking:

The ability to analyze, synthesize, and evaluate information in a logical and coherent manner.

Global Perspectives:

The ability to examine a concept in contexts and from perspectives other than one's own.

Quantitative Reasoning:

The application of computational methods and numerical data interpretation to solve problems.

Scientific Processes:

The application of scientific methods to gain knowledge and examine the laws, theories, and processes of physical and biological phenomena.

Technical Skills:

The theoretical and applied knowledge for career entry and continued professional development

Study Skills:

The application of strategies, resources, and attitudes to find solutions and gain knowledge.



CONVOCATION

The students, faculty, staff and administration of Great Bay Community College recognize the core values and code of ethics of the college. We declare and celebrate our common purpose, and commit ourselves:

- › to foster student success through effort, advocacy and responsibility.
- › to nurture a community of diverse learners who value high academic standards, fairness and honesty.
- › to promote partnership, collaboration and volunteerism through college and community engagement.
- › to fulfill our obligations with integrity, professionalism and respect.
- › to strive for excellence through reflection, critical evaluation and professional development.
- › to value the environment and adopt practices that lead to a healthier community.



General Degree Information



ASSIGNMENT OF CREDITS

A credit hour shall be allocated based on the below:

Category	Contact Hours per Week	Contact Hours per Semester (based on minimum 15 week semester)
Class	1	15
Laboratory	2 or 3	30-45
Clinical	3 to 5	45-75
Practicum, Fieldwork	3	45
Internship	3 to 6	45-90
Co-op	Variable by Dept.	Variable by Dept.

COURSE CREDIT HOUR DESIGNATION

One instructional hour is equal to fifty (50) minutes. Next to each course is the course credit breakdown, shown in three numbers. The first number represents the number of lecture hours per week. The second number represents the number of lab, clinical, co-op, internship, or practicum hours per week. The third number represents the total number of credits.

BIOL110	Anatomy and Physiology	3-3-4
PSYC110	Introduction to Psychology	3-0-3

The academic instructional semester consists of no less than 15 weeks and no longer than 16 weeks or their equivalent including final exams. Courses that are delivered in alternate time schedules including summer semester (8 weeks, 12 weeks, etc) will be shown the same as above, but will be scheduled to reflect the equivalency of the total number of hours. For example, PSYC110 offered on an 8 week schedule would meet 6 hours per week and earn the same 3 credits.

COURSE SUBSTITUTIONS

In programs that require the courses listed below, higher level courses within that department may be substituted in fulfillment of degree requirements.

FYE101	First Year Seminar	1-0-1
MATH145 *	Topics in Applied College Mathematics	4-0-4
CIS110 *	Introduction to Computers	2-2-3

**Based on placement testing scores.*

Elective Course Information

In addition to the required courses in a student's program, there may be elective options. Each program/discipline offers a different set of electives, so please refer to each individual program for specific options. The following information will acquaint students with the variety of elective categories and the selection of elective courses. All academic subject codes and course numbers refer only to Great Bay courses.

Business Elective: any course with the academic subject code of ACCT, BUS, MKTG, HOSP and a course number of at least 100.

English Elective: any course with the academic subject code of ENGL and a course number of at least 100.

Foreign Language/Humanities Elective/Fine Arts Elective: any course with the academic subject code of AMER, ARTS, ASL, HIST120, HIST130, HUMA, PHIL, SPAN, and a course number of at least 100. ENGL Literature Courses, other ENGL courses: ENGL210, ENGL213, ENGL214.

Liberal Arts Elective: any course listed under the categories of English elective, Social Science elective, Foreign Language/Humanities/Fine Arts elective, Math elective, Natural Resources elective, or Science elective with a course number of at least 100.

Math Elective: any course with the academic subject code of MATH and a course number of at least 100.

Open Elective: any course that the college offers with a course number of at least 100.

Science Elective: any course with the academic subject code of BIOL, BTEC (excluding BTEC205), CHEM, PHOT, PHYS and a course number of at least 100.

Social Science Elective: any course with the academic subject code of AN, ECON, GEOG, HIST, POL, PSYC, SOC, and a course number of at least 100.

Technical Elective: any course designation determined by the program of at least the 100.

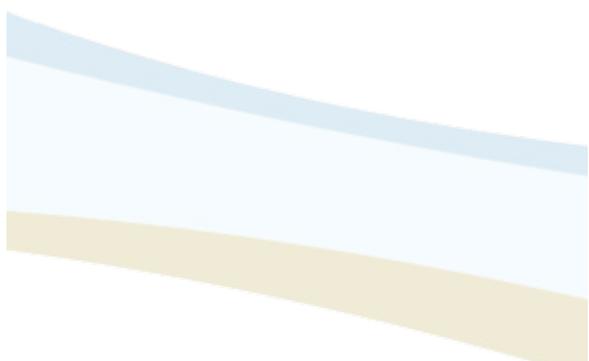
TRANSFER CREDIT POLICY

In addition to the Great Bay Transfer Credit Policy, each program of study establishes its own individual transfer and currency requirements.

Programs of Study carry the credits based on Great Bay Community College courses. Courses may be transferred in for fewer credits than indicated in the Program of Study.

CLASS SCHEDULES

Class schedules noting specific times and days are developed on a semester-by-semester basis and are published in the Semester Course Schedule. Classes are held during the day, evening, weekend, and online. In addition classes designated as Hybrid are a combination of on campus and online. Evening courses start at 5pm or later. Students completing program requirements may need to take classes at any of those times.



Programs of Study



ACCOUNTING

ASSOCIATE IN SCIENCE CERTIFICATE

Program Description

The Accounting curriculum is continually modified and updated to keep pace with ever-changing rules, laws, and technology of the profession. The accounting program focuses on providing the student with the accounting skills needed to meet current job requirements as well as the necessary analytical skills needed to be successful in business. The Accounting degree provides a foundation in economics, law, management, finance, and information technologies.

Accounting graduates are prepared for employment in entry-level accounting/bookkeeping positions or can transfer to a four-year institution in pursuit of a bachelor's degree. Accounting careers can include, but are not limited to, public accounting, private industry accounting, government and non-profit accounting, international accounting, financial analysis, credit analysis, cost accounting, tax accounting, consulting, advising, auditing and forensic accounting. There are a variety of exciting, challenging and rewarding career opportunities for those with an accounting degree.

The Accounting degree transfers to many four-year colleges. The Accounting program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) which supports transfers to many four year institutions. See transfer opportunities and articulation agreements on page 30.

Program Outcomes

Graduates with an A.S. degree in Accounting will:

- › Have a practical working knowledge of financial and managerial accounting.
- › Know how to operate at least one accounting software program.
- › Know how to prepare a complex individual tax return.
- › Be able to prepare accurate and well-organized financial statements.
- › Be able to make the adjustments needed to create financial statements in accordance with generally accepted accounting principles.
- › Demonstrate proficiency in analytical thinking, oral and written communication, and applied mathematical skills.
- › Be able to transfer to a four-year college or university with a solid accounting and overall business studies foundation so as to continue their accounting education in a seamless manner.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in accounting more than ten years old will be evaluated by the program coordinator on an individual basis.

Technical Standards

Students should be able communicate effectively using written and oral communication skills, possess good analytical skills, understand and practice ethical behavior, be comfortable using computers and computer application software, be able to sit and concentrate for extended periods of time and be comfortable with fundamental mathematics.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
ACCT113	Accounting and Financial Reporting I	3	0	3
BUS114	Management	3	0	3
ENGL110	College Composition I	4	0	4
FYE101	First Year Seminar	1	0	1
MATH145	Topics in Applied College Mathematics	4	0	4
CIS156	Computer Applications in Business*	2	2	3
<i>Total</i>		17	2	18

* Prerequisite: placement in CIS156 or successful completion of CIS110

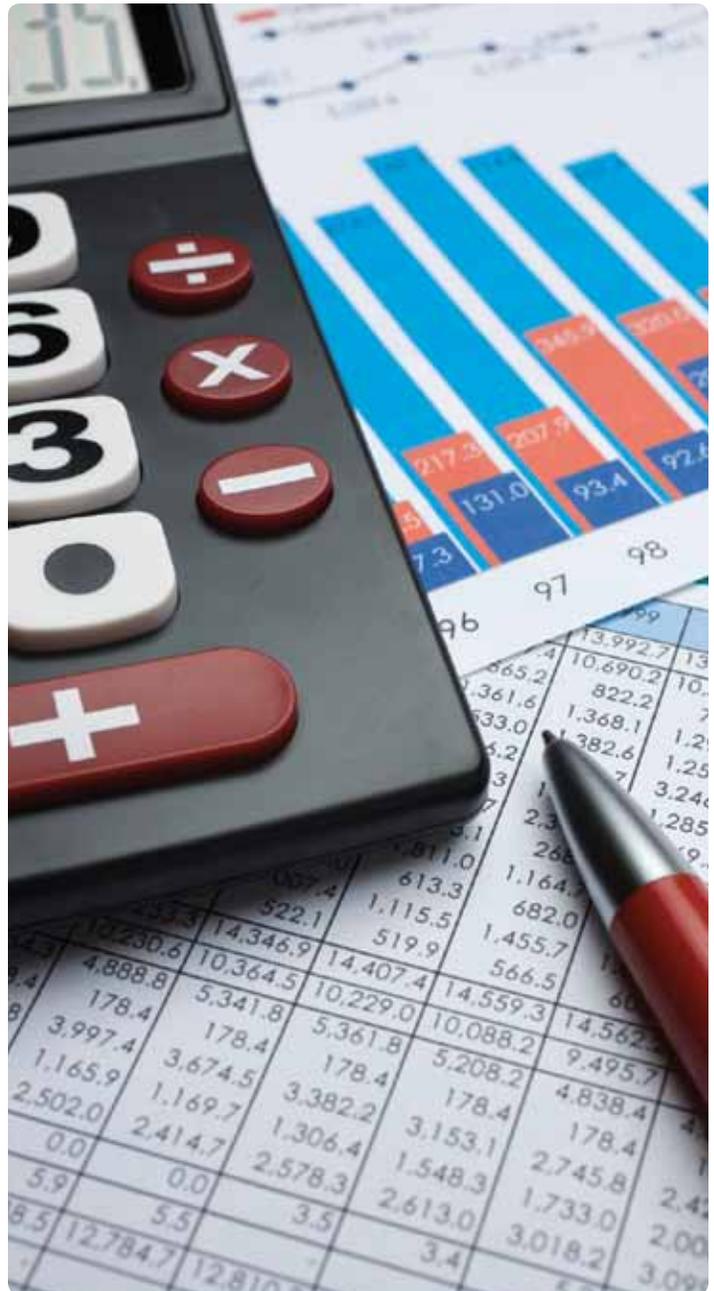
Spring Semester		TH	LAB	CR
ACCT123	Accounting and Financial Reporting II	3	0	3
ECON234	Macroeconomics	3	0	3
MATH225	Probability and Statistics	4	0	4
	English Elective	3	0	3
	Science Elective	3	0	3
<i>Total</i>		16	0	16

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
ACCT213	Cost Accounting I	3	0	3
ACCT216	Software Systems Applications	2	2	3
ACCT223	Intermediate Accounting I	3	0	3
BUS211	Business Law	3	0	3
ECON235	Microeconomics	3	0	3
MKTG125	Principles of Marketing	3	0	3
<i>Total</i>		17	2	18

Spring Semester		TH	LAB	CR
ACCT215	Cost Accounting II	3	0	3
ACCT233	Intermediate Accounting II	3	0	3
ACCT243	Federal Income Taxes-Individual	3	0	3
BUS210	Organizational Communications	3	0	3
BUS221	Business Finance	3	0	3
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		18	0	18

TOTAL CREDITS – 70



ACCOUNTING CERTIFICATE

		TH	LAB	CR
ACCT113	Accounting and Financial Reporting I	3	0	3
ACCT123	Accounting and Financial Reporting II	3	0	3
ACCT213	Cost Accounting I	3	0	3
ACCT215	Cost Accounting II	3	0	3
ACCT216	Software Systems Applications	2	2	3
ACCT223	Intermediate Accounting I	3	0	3
ACCT233	Intermediate Accounting II	3	0	3
ACCT243	Federal Income Taxes-Individual	3	0	3
BUS221	Business Finance	3	0	3
CIS156	Computer Applications in Business*	2	2	3

* Prerequisite: placement in CIS156 or successful completion of CIS110

TOTAL CREDITS – 30

BIOTECHNOLOGY

ASSOCIATE IN SCIENCE CERTIFICATE

Biotechnology is a subject area that has enormous implications for the future of the 21st century. It already has a significant impact on our lives, and will continue to revolutionize the ways in which we diagnose and treat disease, lengthen the life span, feed the planet, and remediate the environment. Our nationally recognized Biotechnology program prepares students with the skills and knowledge needed to enter the biotechnology industry or to proceed to further education a four-year college or university. Current graduates may be found in a variety of biotechnology companies, working as Lab Technicians, Manufacturing Associates, Quality Control and Quality Assurance Technicians, and as Validation Consultants.

Program Outcomes

Students graduating with the A.S. degree in Biotechnology will be able to:

- › Understand the role of biotechnology in human experience, past and in the present
- › Understand the “benchtop to bottle” process of bringing a biopharmaceutical or other biotechnology-based product to market
- › Understand the Central Dogma, and its role as the theoretical foundation of modern biotechnology
- › Understand and be able to apply the scientific method
- › Understand and be able to execute a wide variety of laboratory techniques in microbiology, biochemistry and molecular genetics, including (but not limited to) solution preparation, gene cloning, DNA extraction and amplification, library construction, hybridization, forensic analysis, cell culture, and protein production, purification and verification
- › Generate and maintain accurate lab documentation, including laboratory notebooks, batch records and log books
- › Understand and adhere to the documentation guidelines of cGMP, when required
- › Analyze and draw conclusions from generated scientific data, and present findings in a formal laboratory report.
- › Understand the basic principles of genomics, proteomics and systems approaches in biotechnology
- › Conduct basic bioinformatics-based analysis.
- › Use critical thinking and principles of logic to analyze ethical issues raised in the practice of biotechnology.
- › Qualify for entry level work in the biomanufacturing sector of the biotechnology industry.
- › Qualify for transfer to a four-year college or university with the necessary foundation in biology, chemistry and mathematics for upper level study in a wide variety of biological disciplines.

Health and Internship Considerations

The Biotechnology program offers an optional externship. Participation in this externship requires the student to follow the college’s immunization policy. See page 28.

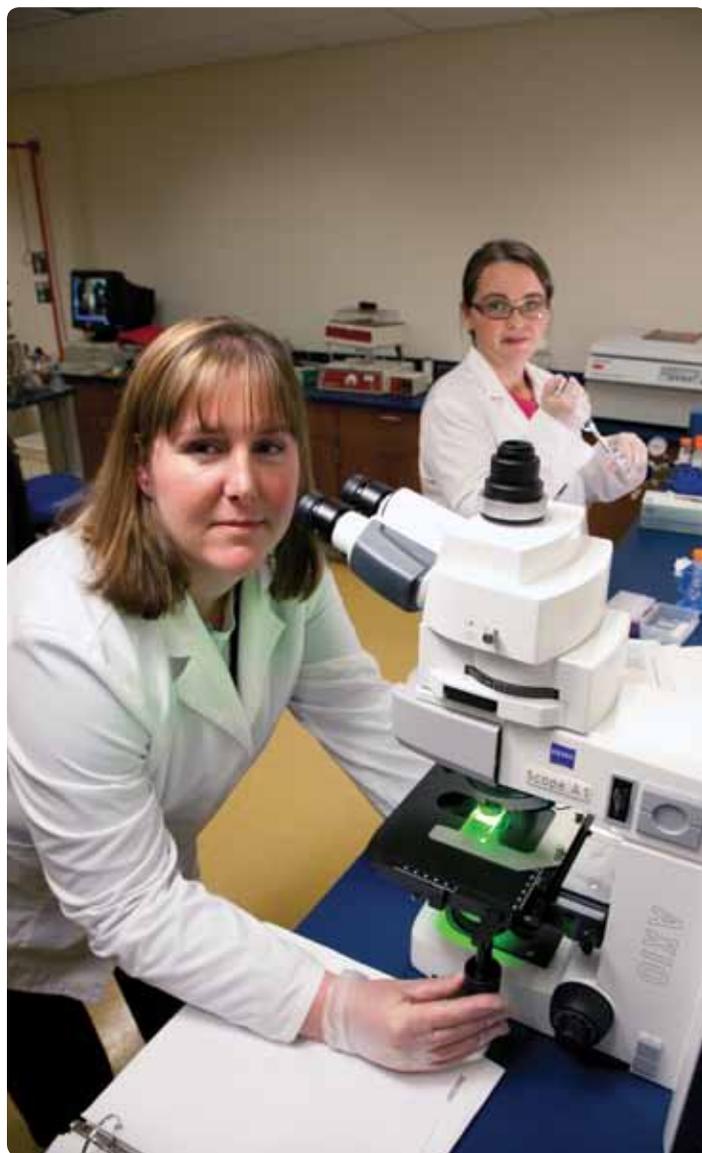
Technical Standards

Students enrolling in degree and certificate programs, and/or enrolling in individual courses within the Biotechnology Program, in addition to meeting the specific pre-requisite requirements for each course, must meet the following general, technical standards:

- › Students must be able to comprehend the English language, both oral and written.
- › Students must have sufficient manual dexterity to produce legible written documents in a timely manner. Appropriate assistive technology may be used, as needed.
- › Students must be able to sit or stand at a desk and laboratory bench, and must possess the necessary focus to stay on task for extended periods of time.
- › Students must be able to comprehend and follow instructions in the classroom and laboratory in a timely manner.
- › Students must possess the necessary manual dexterity to carry out assigned laboratory tasks.
- › Students must be able to perform required classroom and laboratory operations, including mathematical operations, without reference to notes, as directed.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Biotechnology more than ten years old will be evaluated by the department chair on an individual basis.



DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
BTEC105	Introduction to Biotechnology	3	3	4
BIOL108	General Biology I	3	3	4
MATH150	College Algebra*	4	0	4
ENGL110	College Composition I	4	0	4
CIS110	Introduction to Computers**	2	2	3
<i>Total</i>		16	8	19

* Students may substitute a higher level math course

** Students may substitute a higher level CIS course

Spring Semester		TH	LAB	CR
BTEC205	Bioethics*	3	0	3
BIOL109	General Biology II	3	3	4
CHEM115	General Chemistry I	3	3	4
BIOL220	Principles of Genetics**	3	3	4
	Foreign Language/Humanities/ Fine Arts Elective	3	0	3
<i>Total</i>		15	9	18

* PHIL 240 Ethics may be substituted for BTEC205 Bioethics

** A technical elective may be substituted for BIOL220 Principles of Genetics

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
BTEC210	Biotech Experience I: Discovery Research	2	6	4
CHEM116	General Chemistry II	3	3	4
BIOL210	Microbiology	3	3	4
ENGL215	Writing Technical Documents	3	0	3
<i>Total</i>		11	12	15

Spring Semester		TH	LAB	CR
BTEC220	Biotechnology Experience II: Biomanufacturing	2	6	4
CHEM205	Biochemistry*	3	3	4
MATH225	Probability and Statistics	4	0	4
	Social Science Elective	3	0	3
<i>Total</i>		12	9	15

TOTAL CREDITS - 67

*CHEM200 Organic Chemistry may be substituted for CHEM205 Biochemistry

Note: Technical Electives for the A.S. degree in Biotechnology are defined as any BIOL, BTEC, MATH, PHYS, PHOT, CHEM, IST, CIS or BUS courses not already part of the A.S. Degree in Biotechnology.

BIOTECHNOLOGY CERTIFICATE

This program is available to any student with a high school diploma or GED. Placement into ENGL 110 College Composition I or equivalent, and successful completion of high school algebra, biology, and chemistry, with a C or better, are requirements for acceptance.

		TH	LAB	CR
BTEC105	Introduction to Biotechnology	3	3	4
CIS110	Introduction to Computers*	2	2	3
MATH150	College Algebra I**	4	0	4
BIOL108	General Biology I (or Microbiology)	3	3	4
CHEM110	Introduction to Chemistry (or CHEM115)	3	3	4
BTEC210	Biotechnology Experience I: Discovery Research	2	6	4
BTEC220	Biotechnology Experience II: Biomanufacturing	2	6	4

TOTAL CREDITS - 27

* Higher level CIS course may be substituted

** Higher level MATH class may be substituted

BIOTECHNOLOGY ADVANCED CERTIFICATE

This program is available to those students with prior college-level experience in biology and chemistry. Permission of the department chair is required to enroll.

		TH	LAB	CR
BTEC105	Introduction to Biotechnology*	3	3	4
BTEC210	Biotechnology Experience I: Discovery Research	2	6	4
BTEC220	Biotechnology Experience II: Biomanufacturing	2	6	4

TOTAL CREDITS - 12

*200 level BIOL or CHEM course may be substituted at discretion of the department chair

Note: the Biotechnology Advanced Certificate Program is not financial aid eligible

Curriculum Recommendations

A higher level math class may be substituted for Math 150; however, students planning to transfer are recommended to follow the Calculus sequence of Math courses.



COMPUTER TECHNOLOGIES

ASSOCIATE IN SCIENCE CERTIFICATES

The Department of Computer Technologies offers an Associate Degree program for either full-time or part-time study. The 66 credit degree consists of 29 credits of General Education Core courses, 13 credits of a Technical Core of courses, and a minimum of 24 credits of computer technical electives. It is recommended that students use these twenty-four credits to create a technology focus or pathway. This will allow students to gain a breadth and depth of knowledge in a given specialty and ensure the development of a marketable set of skills to offer employers in industry.

Program Outcomes

Pending course selection, graduates will be able to:

1. Analyze a problem, and identify and define the computing requirements appropriate to its solution.
2. Design, implement and evaluate a computer-based process or program to meet desired needs.
3. Use current techniques, skills, and tools necessary for computing practices.
4. Demonstrate a familiarity with state-of-the-art programming techniques, tools, and practices.
5. Demonstrate a solid foundation in the fundamental areas of computer science (which are algorithms, systems, and software) and exposure to multiple sub-disciplines of computer science.
6. Understand professional, ethical, legal, security, and social issues and responsibilities related to IT.
7. Use written and oral communication skills necessary to be effective in the IT industry.
8. Recognize the need to maintain currency with future changes in the computing profession.
9. Think creatively and critically.
10. Function effectively on teams to accomplish a common goal.

Technical Requirements

Students who enroll in the program should comprehend the English language, both oral and written, and should have the ability to communicate effectively to gather and convey information. They should be able to sit at a computer workstation and stay on task for extended periods of time, and be able to replicate teacher-demonstrated procedures. They should apply principles, concepts, and procedures for industry standards, behave appropriately in both self-directed and shared learning environments, and perform basic mathematical operations.

Health and Internship Considerations

Students participating in an internship are required to follow The College immunization policy. See page 28.

Computer Technologies Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Computer Technologies more than five years old will be evaluated by the program coordinator on an individual basis.

GENERAL EDUCATION CORE COURSES

Course		Credits
ENGL110	College Composition I	4
FYE103	Essential Skills / Col. Success	3
MATH150	College Algebra	4

	English Elective	3
	Science Elective	3-4
SOC120	Society & Technological Change	3
	Foreign Language/Humanities/Fine Arts Elective	3
	Liberal Arts Electives	6
	TOTAL	29

COMPUTER TECHNICAL CORE COURSES

Course		Credits
CIS111	Computer Technologies	3
CIS112	Programming Logic	3
CIS113	Database Design & Management	3
IST122	Network Fundamentals	3
CIS292	Portfolio Presentation	1
	TOTAL	13

COMPUTER TECHNICAL ELECTIVE COURSES

The 24 credits of elective computer courses must be taken **primarily** with a designation of Computer Technologies (CIS). A limit of **4 courses (12 credits) within the IST, ACCT, BUS, MKTG or MGMT** designations may be used for Computer Technical Electives. At least 3 computer technical elective courses (9 credits) must be at the 200 level.

TOTAL COMPUTER TECHNICAL ELECTIVE COURSES - MIN. CREDITS **24**

TOTAL CREDITS – 66



DIGITAL DESIGN & ANIMATION CERTIFICATE

The Computer Technologies Department offers a Digital Design & Animation Certificate that integrates video, graphics, sound, animation, and programming in a studio-oriented environment. This hands-on program will introduce the individual components and enable students to develop a portfolio using interactive communication tools and state-of-the-art software. Each student will acquire a well-rounded background while focusing on individual strengths and creativity. Collaboration among students and instructors will heighten the classroom and studio experience. This workshop approach will include interactive group projects enhanced by professional assessment, with emphasis on preparation for career placement.

In addition to College-wide admission requirements, applicants for the Digital Design & Animation Certificate must show successful completion of CIS110 within five years or an equivalent through:

- › Approved Transfer course equivalency for CIS110
- › Placement scores higher than CIS110 as assessed by Accuplacer
- › Individual evaluation of work/life experience in keyboarding, computer fundamentals, Microsoft Office and internet technology by the department chair

Note: The Digital Design & Animation Certificate is a rigorous program. Students are expected to spend additional time beyond the minimum to complete requirements and achieve success. Students are also expected to have college level reading, writing and math skills prior to enrollment.

Core Requirements

CIS115	Introduction to Graphic Design
CIS124	Web Programming I
CIS125	Introduction to Animation
CIS135	Introduction to Photoshop
CIS264	Adobe Flash

Electives

CIS134	Web Style and Design
CIS142	Publication Design
CIS165	Introduction to Video Production
CIS172	Introduction to Game Design
CIS175	Adobe Illustrator
CIS205	Advanced Photoshop
CIS215	Advanced Graphic Design
CIS224	Web Programming II
CIS225	Introduction to Print Technology
CIS254	PHP and MySQL
CIS265	3D Design and Animation
CIS275	Advanced Video Production

TOTAL CREDITS - 24

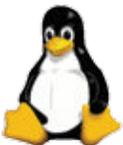
CERTIFICATE REQUIREMENTS

		TH	LAB	CR
CIS113	Database Design and Management	2	2	3
CIS146	Linux I	2	2	3
CIS149	Linux Applications	2	2	3
CIS216	Web Server Administration	2	2	3
CIS246	Linux II	2	2	3
CIS249	Linux Databases	2	2	3
CIS254	PHP and MySQL	2	2	3

TOTAL CREDITS - 21



**LINUX
CERTIFICATE**



The Linux operating system represents powerful open source solutions which offer increased stability, higher levels of security, and lower cost than commercial operating systems. Linux is particularly attractive to small-and mid-sized businesses, and interest in Linux is high and growing rapidly.

There are a variety of applications available for Linux today and many of these open-source applications have been ported to run on a Windows environment as well. These include such programs as Open Office, Evolution, Mozilla, Gimp, MySQL and Postgres. Many of these programs are gaining a large foothold in the business community and the demand for skill and knowledge in this area is high. The Linux Certificate will provide students with the fundamental skills and knowledge needed to work in a Linux/Open Source environment. Students enrolled in this Certificate program must have a solid background in computer use and significant experience with at least the Windows or Mac OSX operating system.

In addition to College-wide admission requirements, applicants for the LINUX Certificate must show successful completion of CIS110 within five years or an equivalent through:

- Approved Transfer course equivalency for CIS110
- Placement scores higher than CIS110 as assessed by Accuplacer
- Individual evaluation of work/life experience in keyboarding, computer fundamentals, Microsoft Office and internet technology by the department chair

Note: The LINUX Certificate is a rigorous program. Students are expected to spend additional time beyond the minimum to complete requirements and achieve success. Students are also expected to have college level reading, writing and math skills prior to enrollment.

**PROGRAMMING
CERTIFICATE**

The Computer Technologies Department offers a Programming Certificate for students who want to develop the technical expertise for a career in backend or middle-tier programming or web application development programming. The core portion of the Certificate provides students with a solid foundation in programming logic and database design. Students can select focus on Java, C++ or Microsoft .NET as their development platform and then expand on their expertise by selecting electives in a particular area.

Successful completion of this program will allow students to seek employment in entry-level programming, quality assurance, technical support, or technical sales and integration.

In addition to College-wide admission requirements, applicants for the Programming Certificate must show successful completion of CIS110 and CIS112 within five years or an equivalent through:

- Approved Transfer course equivalencies for CIS110 and CIS112
- Placement scores higher than CIS110 as assessed by Accuplacer (no placement testing option for CIS112).
- Individual evaluation of work/life experience in keyboarding, computer fundamentals, Microsoft Office and internet technology by the department chair for CIS110
- Individual evaluation of work/life experience in programming by the department chair for CIS112

continued

Note: The Programming Certificate is a rigorous program. Students are expected to spend additional time beyond the minimum to complete requirements and achieve success. Students are also expected to have college level reading, writing and math skills prior to enrollment.

CRIMINAL JUSTICE

ASSOCIATE IN SCIENCE

CORE COURSES

		TH	LAB	CR
CIS113	Database Design and Management	2	2	3
CIS124	Web Programming I	2	2	3
CIS224	Web Programming II	2	2	3
CIS1X8	Introductory Programming course*	2	2	3
CIS2X8	Advanced Programming course*	2	2	3

TOTAL CREDITS - 15

*Programming languages include .NET, Java, and C++.

ELECTIVE COURSES - 9 CREDITS (choose a min. of 3)

Students must take at least one introductory and advanced class in the language of their choice. Once they complete the advanced course, they may select another programming language for study. All of the programming classes listed as part of the core can also count towards an elective.

		TH	LAB	CR
CIS118	Introduction to .NET	2	2	3
CIS134	Web Style and Design	2	2	3
CIS146	Linux I	2	2	3
CIS148	Introduction to Java	2	2	3
CIS158	Introduction to C++	2	2	3
CIS172	Introduction to Game Design	2	2	3
CIS216	Web Server Administration	2	2	3
CIS218	Advanced .NET	2	2	3
CIS223	Advanced SQL	2	2	3
CIS246	Linux II	2	2	3
CIS248	Advanced Java	2	2	3
CIS249	Linux Databases	2	2	3
CIS253	Data Sharing	2	2	3
CIS254	PHP and MySQL	2	2	3
CIS258	Advanced C++	2	2	3
CIS291	Advanced Topics	2	2	3

TOTAL CREDITS - 24

Curriculum Recommendations

Associate in Science

- › If students are seeking to transfer to a four-year program, it is recommended that they consider fulfilling a Liberal Arts Elective requirement with a higher-level MATH course. MATH 150 is the minimum required MATH course, however MATH215 or above is strongly encouraged.
- › Students should see their advisors for specific recommendations based on possible future transfer plans.
- › Students should also see their advisor for assistance when making course selections.

Certificates

Students are expected to have college level reading, writing and math skills prior to enrollment.

The Criminal Justice degree is designed to prepare students for careers in Law Enforcement, Corrections, Juvenile Justice, or Courts. In addition, it also serves as the academic foundation 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. The degree of Associate in Science with a major in Criminal Justice will be awarded upon completion of all requirements.

Upon successful completion of the program of study, students should be able to:

- › Demonstrate knowledge of current issues, concepts, philosophies, and theories in the field of Criminal Justice.
- › Explain and discuss various theories of crime causation and societal response, and the techniques of prevention and treatment of crime.
- › Describe the role of the courts in the administration of justice.
- › Apply constitutional principles that protect the rights of citizens and regulate criminal justice agencies.
- › Identify and discuss procedures necessary to establish a lawful arrest and search, proper judicial procedures, and the admissibility of evidence.
- › Explain principles of effective law enforcement and security administration.
- › Describe the structure and procedures of juvenile court; the function and jurisdiction of juvenile agencies; and the processing and disposition of juvenile cases.
- › Articulate the role of corrections in the criminal justice system.
- › Think logically and critically in order to formulate, present, and defend logical arguments.
- › Comprehend information presented in written or spoken form, and communicate clearly and effectively in both written and oral form.
- › Apply the knowledge of ethical principles with the high standards expected of criminal justice practitioners.

Health and Internship 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 individuals (customers, employees, etc.) at internship and service learning sites are not placed 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, customers and clients. Students participating in an internship are required to follow The College immunization policy. See page 28.

Technical Standards

Applicants should be aware that thorough 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 had involvement with the law may not be employable, or even eligible for participation in the Criminal Justice Internship Program. Due to the possible negative impact on future employability applicants are strongly advised to discuss any concerns with the Department Chair prior to applying to the program.

To be successful in the Criminal Justice field, one must demonstrate the emotional stability required to exercise sound judgment, accept direction and guidance from a supervisor. One must also be able to establish rapport and maintain sensitive interpersonal relationships with employees, customers and clients. Overall opportunities within Criminal Justice will be favorable for individuals who meet psychological, physical, and personal qualifications.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Criminal Justice more than ten years old will be evaluated by the program coordinator on an individual basis.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
CRJ101	Introduction to Criminal Justice*	3	0	3
CRJ121	Criminal Procedure	4	0	4
ENGL110	English Composition	4	0	4
CIS110	Introduction to Computers	2	2	3
PHIL240	Ethics	3	0	3
<i>Total</i>		16	2	17

*Students may substitute CRJ101 with SOC125 American Justice System

Spring Semester		TH	LAB	CR
CRJ123	Criminal Law	4	0	4
CRJ210	Juvenile Justice Administration	3	0	3
PSYC110	Introduction to Psychology	3	0	3
POL220	Public Administration	3	0	3
SOC110	Sociology	3	0	3
<i>Total</i>		16	0	16

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
CRJ150	Criminology	3	0	3
CRJ205	Police Operations	3	0	3
CRJ215	Corrections Operations	3	0	3
MATH145	Topics in Applied College Mathematics	4	0	4
PSYC205	Crisis Intervention	3	0	3
	Open Elective	3	0	3
<i>Total</i>		19	0	19

Spring Semester		TH	LAB	CR
BIOL106	Human Body	3	2	4
CRJ225	Drug Abuse and the Law	3	0	3
CRJ230	Justice and the Community	3	0	3
ENGL210	Communications or English Elective	3	0	3
CRJ270 or CRJ275	Criminal Justice Internship Senior Project	(0-9-3) or (3-0-3)		
<i>Total</i>				16

TOTAL CREDITS - 68

Curriculum Recommendations:

It is highly recommended that all students enroll in a minimum of one Criminal Justice course during the first semester of attendance.



DIGITAL MEDIA TECHNOLOGY

ASSOCIATE IN SCIENCE

Concentration Options

Digital Communications

Game Programming

The Associate Degree of Science in Digital Media Technology offers three pathways. Core computer technology courses are required of all students. The program features concentration options to allow the students to achieve proficiency in their choice of occupational field. The Game Programming Concentration is dedicated to game theory and design, and advances into higher level programming courses to produce interactive games and simulations. The Digital Communications Concentration will offer a variety of courses in graphic design, web design and animation. The choice of a concentration will allow the students to gain depth of knowledge and hands-on experience in a chosen discipline. This will enable the student to align their skills with industry standards for employment, as well as offer options for transfer to a four-year program. The program also offers a general path of study that allows for a selection of courses from the concentration areas. The program will require a 1 Credit Portfolio Capstone course. Courses will be offered on a rotating semester basis. Students should work with their advisors to plan course selections to optimize program completion time.



Program Objectives:

Upon successful completion of the program of study, students will be able to:

- › Demonstrate an understanding of the application of graphic design as visual communication.
- › Demonstrate and apply theories of aesthetics to functional objects, websites, motion graphics, brand communication and interactive games.
- › Employ creative problem solving in projects that simulate real-world applications.
- › Understand the principles and applications of motion and interactivity in the user experience.
- › Describe and apply current theories of usability and functionality in digital media, game or web design.
- › Explain the history of simulation, gaming, or graphic communication.
- › Articulate the role of the artist, designer, programmer and storyteller in technically mediated communication.
- › Demonstrate technical mastery in the student's area of concentration via a professional portfolio.

Technical Standards

Students who enroll in the program should comprehend the English language, both oral and written, and should have the ability to communicate effectively to gather and convey information. They should be able to sit at a computer workstation and stay on task for extended periods of time, and be able to replicate teacher-demonstrated procedures. They should apply principles, concepts, and procedures for industry standards, behave appropriately in both self-directed and shared learning environments, and perform basic mathematical operations.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Computer Technologies more than five years old will be evaluated by the program coordinator on an individual basis.

GENERAL EDUCATION COURSES

Course		Credits
FYE 101	First-Year Seminar	1
ENGL110	College Composition I	4
	English Elective	3
	Lab Science (Gaming requires Physics 135)	4
	SOC120	Society and Technological Change
	Foreign Language/Humanities/Fine Arts Elective (Digital Communications Requires ARTS124)	3
	Liberal Arts Electives (2)	6
	Math 150 College Algebra (Digital Communications & General Pathway)*	4
	or	
	Math 210 Pre-Calculus (Gaming)	
TOTAL CREDITS		28

**Note: Students taking the General Pathway and plan to take electives CIS172, CIS195, CIS265, or CIS272 should take the Math and Science required for the Gaming Concentration*



TECHNICAL CORE COURSES

		TH	LAB	CR
CIS112	Programming Logic	3	0	3
CIS115	Introduction to Graphic Design	2	2	3
CIS124	Web Programming I	2	2	3
CIS125	Introduction to Animation	2	2	3
CIS292	Portfolio Presentation	1	0	1
<i>Total</i>		10	6	13

CONCENTRATION IN GAME PROGRAMMING

		TH	LAB	CR
CIS148	Introduction to Java Programming	2	2	3
CIS158	Introduction to C++ Programming	2	2	3
CIS172	Introduction to Game Design	2	2	3
CIS1xx	Introduction to 3D Objects and Environments	2	2	3
CIS248	Advanced Java Programming	2	2	3
CIS258	Advanced C++ Programming	2	2	3
CIS264	Adobe Flash	2	2	3
CIS265	3D Design and Animation I	2	2	3
CIS2xx	Advanced Game Development	2	2	4
<i>Total</i>		18	18	28

CONCENTRATION IN DIGITAL COMMUNICATIONS

		TH	LAB	CR
CIS134	Web Style and Design	2	2	3
CIS135	Introduction to Photoshop	2	2	3
CIS142	Publication Design	2	4	4
CIS175	Adobe Illustrator	2	2	3
CIS215	Advanced Graphic Design	2	2	3
ARTS126	Typography	2	2	3
CIS225	Introduction to Print Production	2	2	3
CIS205	Advanced Photoshop	2	2	3
CIS265	3D Design and Animation	2	2	3
<i>Total</i>		18	20	28



EARLY CHILDHOOD EDUCATION

ASSOCIATE IN SCIENCE CERTIFICATE

The Early Childhood Education (ECE) program provides students with the knowledge and skills necessary to create a positive learning environment for young children. Teachers who work in high quality programs for children understand how young children grow and learn and are able to provide materials and activities that are developmentally and interest appropriate. The College must ensure that students enrolled in any ECE program demonstrate emotional stability to withstand the ever-changing circumstances and the ability to respond quickly and appropriately as events require. Students are also expected to have the maturity to accept direction and guidance, exercise sound judgment, maintain confidentiality and sensitive interpersonal relationships with teachers, fellow students, children and families.

Admissions Criteria

Students enrolling in the Associate Degree, Advanced Certificate or the Special Education Certificate must have a personal interview with the program coordinator. This interview is intended to review technical standards and ensure students are able to meet New Hampshire Child Care Licensing Bureau requirements for health and background check.

Prospective students with special needs requiring accommodations that may affect their practicum placement or employment options are advised to discuss specific career objectives with the program coordinator during the admissions process.

Program Outcomes

The Early Childhood Education program meets the Standards for teacher preparation according to the National Association for the Education of Young Children (NAEYC).

Standard 1: Promoting Child Development and Learning

GBCC Program Goal: Students will explain and demonstrate the ability to support children in their development and learning by providing appropriate opportunities for physical, social, emotional, language and cognitive development.

Standard 2: Building Family and Community Relationships

GBCC Program Goal: Students will establish and maintain positive, productive and reciprocal relationships with colleagues, families and other professionals, work effectively as a member of an instructional team and communicate effectively with others to support development, learning and well-being.

Standard 3: Observing, Documenting, and Assessing to Support Young Children and Families

GBCC Program Goal: Students will be reflective practitioners who understand the goals, benefits and purposes of assessment. They will be able to utilize a variety of assessment and evaluative strategies and tools, in partnership with families and other professionals in order to positively influence child development, including overall and individualized curriculum.

Standard 4: Using Developmentally Effective Approaches to Connect with Children and Families

GBCC Program Goal: Students will be able to establish and maintain positive, productive relationships with families, respect family choices



and goals for children, communicate effectively and meaningfully with families and use families as a primary source of information in planning and meeting the needs of individual children and families.

Standard 5: Using Content Knowledge to Build Meaningful Curriculum

GBCC Program Goal: Students will design, implement and evaluate a meaningful, challenging and developmentally appropriate curriculum that demonstrates a wide array of teaching practices that reflect multiple content areas and academic subjects as well as the child's and family's needs and interests.

Standard 6: Becoming a Professional

GBCC Program Goal: Students will be active practitioners who continually evaluate their choices and actions on others, seek out opportunities to grow professionally, serve as advocates for young children and their families, improve quality of programs and service for young children, and demonstrate an awareness of and follow the NAEYC Code of Ethical Conduct.

Technical Standards

Technical Standards have been established to provide insight to students as to the skills and abilities required to function successfully in the ECE program and eventually the profession. Applicants who do not feel they can successfully meet these should contact the ECE program coordinator before applying to the program. Students enrolling in the Early Childhood Education program must have sufficient strength, stamina, motor coordination, and sensory capabilities to perform the following:

1. Stand for sustained periods of time, walking, running, bending, sitting on the floor and on child-size furniture to meet the child's needs and accomplish tasks.
2. Frequent lifting, moving and transferring children, especially infants and toddlers.
3. Sufficient visual and hearing acuity to ensure a safe environment and the ability to respond quickly to children, colleagues, and professional partners in the event of an emergency.
4. Sufficient verbal ability to express and exchange information and ideas as well as to interpret important instructions to children, colleagues and parents.
5. Sufficient skills in written expression to accurately record children's daily progress and milestones as well as medications administered, accident and suspected child abuse/neglect reports, etc.

6. Ability to work with frequent interruptions, to respond appropriately in unexpected situations, and to cope with extreme variations in workload and stress levels.
7. Students must have reliable transportation to travel to and from practicum settings and have sustained health as outlined in Child Care Worker health form to fulfill time commitment as agreed in the Practicum contract.
8. Ability to respond to children's personal needs, including changing diapers, in a manner that safeguards the health and safety of the student, children, and staff.
9. Ability to work in a professional and respectful manner with a diverse range of children including children of different races, cultures, religions, and ethnicities as well as children with a wide range of disabling conditions
10. Ability to maintain proper boundaries in both the school and home environments.
11. Ability and disposition to adhere to and practice the Code of Ethical Conduct set forth by the National Association for the Education of Young Children http://www.naeyc.org/positionstatements/ethical_conduct.

Health and Practicum Considerations

1. Required GBCC Health Form on file prior to practicum.
2. Required New Hampshire Child Care Personnel Health Form on file that indicates that the student is in good physical health and has no mental or emotional disturbances that would prohibit him/her from caring for children prior to practicum.
3. Required background check of "clear" or "non-disqualifying" prior to practicum. The cost of the record check and fingerprinting is the responsibility of the student.
4. Students are required to complete practicum during regular morning hours in order to meet the ECE course requirements. Transportation to and from the Practicum site is the responsibility of the student. All practicum sites are subject to practicum coordinator approval.
5. Note: Students who do not successfully complete the health and backgrounds requirements will not be able to successfully complete the program.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Early Childhood Education more than five years old from the time of acceptance will be evaluated by the program coordinator on an individual basis.

GENERAL EDUCATION REQUIREMENTS

		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
ENGL110	College Composition I	4	0	4
	Math Elective	4	0	4
	Social Science Elective*	3	0	3
PHIL240	Ethics	3	0	3
	Liberal Arts Elective*	3	0	3
	English Elective	3	0	3
	Science Elective	4	0	4
	Foreign Language/Humanities/ Fine Arts Elective*	3	0	3

Total Credits - 28

*A course that includes an approved diversity component must be included as part of the ECE program. The course can be applied to fulfill the Social Science, Humanities or Liberal Arts elective requirement. Current approved courses are SOC250 and HUMA135. Other options must be approved by the ECE program coordinator.

EARLY CHILDHOOD EDUCATION REQUIREMENTS

		TH	LAB	CR
ECE100	Early Childhood Growth and Development	3	0	3
ECE104	Foundations of Early Childhood Education	3	0	3
ECE109	Art, Music, Drama, Movement in Early Childhood Education	3	0	3
ECE116	Child Health, Safety and Nutrition	3	0	3
ECE200	Math & Science in Early Childhood Ed.	3	0	3
ECE203	Language Arts In Early Childhood	3	0	3

Total Credits - 18

EARLY CHILDHOOD EDUCATION ELECTIVE COURSES

(Choose one)		TH	LAB	CR
ECE112	Learning Environments in Early Childhood	2	3	3
ECE106	Curriculum and Environment for Family Child Care	3	0	3
(Choose one)				
ECE204	Developmentally Appropriate Curriculum for Infants and Toddlers	3	0	3
ECE250	Child Care Administration	3	0	3
ECE107	Family Child Care Business Management	3	0	3
(Choose one)				
ECE206	Supporting the Special Needs Child	3	0	3
EDU101	Introduction to Exceptionality	3	0	3
(Choose one)				
ECE214	Appropriate Guidance and Discipline for Young Children	3	0	3
EDU215	Behavioral Challenges in the Classroom	3	0	3

Total Credits - 12

EARLY CHILDHOOD EDUCATION PRACTICUM REQUIREMENTS

		TH	LAB	CR
ECE202	Practicum I: Student Teaching	1	9	4
ECE212	Practicum II: Professional Development	1	9	4

Total Credits - 66



EARLY CHILDHOOD EDUCATION CERTIFICATE

		TH	LAB	CR
ECE100	Early Childhood Growth and Development	3	0	3
ECE104	Foundations of Early Childhood Education	3	0	3
ECE112	Learning Environments	2	3	3
ECE116	Child Health, Safety and Nutrition	3	0	3
ECE206	Supporting the Special Needs Child	3	0	3
ECEXXX	Early Childhood Education Elective	3	0	3
ENGL110	English Composition	4	0	4

Total Credits - 22

EARLY CHILDHOOD EDUCATION ADVANCED CERTIFICATE

		TH	LAB	CR
ECE100	Early Childhood Growth and Development	3	0	3
ECE104	Foundations of Early Childhood Education	3	0	3
ECE112	Learning Environments in Early Childhood	2	3	3
ECE116	Child Health, Safety and Nutrition	3	0	3
ENGL110	College Composition I	4	0	4
ECEXXX	Early Childhood Education Electives	12	0	12

Total Credits - 28

EARLY CHILDHOOD EDUCATION SPECIAL EDUCATION CERTIFICATE

Teachers and paraprofessionals are increasingly working in inclusive settings and are responsible for meeting students' Individualized Educational Plans. They are members of the IEP or IFSP teams and need adequate training to effectively work with children with unique learning characteristics. A Certificate option in Early Childhood Special Education is available to individuals interested in working as a paraprofessional in Early Intervention or Early Childhood Special Education and Inclusionary classrooms.

Birth-Grade 3

Course		TH	LAB	CR
ECE100	Early Childhood Growth and Development	3	0	3
ECE104	Foundations of Early Childhood Education	3	0	3
PSYC110	Introduction to Psychology	3	0	3
ECE112	Learning Environments in Early Childhood	2	3	3
ECE206	Supporting the Special Needs Child	3	0	3
EDU207	Topics in Education	3	0	3
EDU215	Behavioral Challenges in the Classroom	3	0	3
Elective*	HUMA135, PHIL240, PSYC230, or ASL110 only	3	0	3

Total Credits - 24

*Elective is limited to: HUMA135, PHIL240, PSYC230, or ASL110 only.

Curriculum Recommendations

- Students testing into developmental reading should not enroll in ECE100 and 104 in the same semester due to the heavy reading requirement for both courses.
- ECE students testing into developmental reading or writing should not enroll into more than one online course their first semester.
- Non-matriculated students with an interest in Education should not enroll in ECE104 and EDU104 during the same semester. Both courses together will not transfer to four year schools; EDU104 does not fulfill any requirements for the ECE program. Please contact the Education program advisors for recommendations on the best selection.
- Non-matriculated students enrolling in any ECE courses other than ECE100 or ECE104 should contact the ECE program coordinator for guidance on appropriate placement and recommendations.
- Students should expect to take a combination of hybrid, online, day, and evening classes as part of their course work for the degree program. Basic computer skills, including word processing and internet navigation, are needed in order to successfully complete most courses.

EDUCATION

LIBERAL ARTS/ TEACHER PREPARATION

ASSOCIATE IN ARTS CERTIFICATE

The Liberal Arts/Teacher Preparation degree is designed to allow students to transfer to a four-year degree program to become teachers. The program allows students to experience elementary, middle, and secondary education, and has a common first year of coursework. In the second year, students choose courses in any one of the following areas: math, science, social science, English, foreign languages, and elementary education. Completion of these elective courses will demonstrate content expertise required to become eligible for certification once the baccalaureate degree is completed. Elective courses are selected in consultation with the student's advisor. Students are expected to declare their area of focus prior to the beginning of the second year of the program. This degree also meets the requirements for paraprofessionals seeking an Associate Degree in fulfillment of national and state guidelines. All students will be required to take the Praxis I exam prior to completion of their first year. Applicants are recommended to meet with the department chair to discuss the program and career pathways.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, appropriate education courses will be accepted if taken within a five-year period. Exceptions to this policy, based on professional experience, may be granted at the discretion of the department chair. Proper documentation will be required to initiate this process. In the case of English and math course transfers, it may be recommended that the student take portions of the Accuplacer Placement Test to verify the skill level required in order to be successful in subsequent classes within the program.

Technical Standards

Technical Standards have been created as a guideline for completion of the Teacher Preparation Program and for success as an educator in a public school setting. For state certification as an educator, students are required to pass the Praxis I and Praxis II exams; to undergo a

criminal records check and fingerprinting. Individuals are encouraged to contact the State Department of Education for further requirement details. Students' seeking a career in the field of education should possess strong written and verbal communication skills, enjoy working with children, be able to adapt to a variety of situations, and collaborate effectively with others. Students are encouraged to meet with their advisor to discuss any questions regarding these matters.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
EDU101	Introduction to Exceptionalities	3	0	3
EDU104	Foundations of Education	3	0	3
ENGL110	College Composition I	4	0	4
CIS110	Introduction to Computers or EDU 205	2	2	3
PSYC110	Introduction to Psychology	3	0	3
<i>Total</i>		16	2	17

Spring Semester		TH	LAB	CR
EDU201	The Teaching and Learning Process	3	0	3
	Educational Transfer Focus Elective**	3	0	3
	Social Science Elective*	3	0	3
	Social Science Elective*	3	0	3
	English Literature Course	3	0	3
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		18	0	18

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
	Educational Transfer Focus Elective**	3	0	3
	Social Science Elective*	3	0	3
	Lab Science	3	3	4
	Math Elective	4	0	4
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		16	3	17

Spring Semester		TH	LAB	CR
	Social Science Elective*	3	0	3
	Educational Transfer Focus Elective**	3	0	3
	Lab Science	3	3	4
	Math Elective	4	0	4
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		16	3	17

TOTAL CREDITS – 69

*Social Science electives are limited to: AN101, GEOG110, HIST202, HIST204, POL110, PSYC210, PSYC230

** Educational Transfer Focus Electives: Any course offered at The College with the exception of courses on the following list. These courses cannot be used for an Educational Transfer Focus elective: any course with an academic level less than 100, any cooperative course (Co-op), any internship, any practicum, any clinical or clinical affiliation, any externship, any self-assessment course, any senior project course, any internship seminar, any capstone course, any professional seminar, BTEC101.

SPECIAL EDUCATION CERTIFICATE

The Certificate in special education can be earned independently or as part of the Liberal Arts/Teacher Preparation Associate's Degree. This Certificate includes three courses that fulfill the requirements of the Education Focus Transfer electives described above. The Certificate is also useful for currently employed paraprofessionals seeking approval as highly qualified under federal No Child Left Behind requirements. Courses in this Certificate are:

School Age: K-12

Fall Semester		TH	LAB	CR
EDU101	Introduction to Exceptionalities	3	0	3
EDU104	Foundations of Education	3	0	3
PSYC110	Introduction to Psychology	3	0	3

Spring Semester		TH	LAB	CR
EDU201	The Teaching and Learning Process	3	0	3
EDU207	Topics in Education	3	0	3
PSYC210	Human Growth and Development	3	0	3

Summer Semester		TH	LAB	CR
EDU 215	Behavior Challenges in the Classroom	3	0	3
Elective*	HUMA135, PHIL240, PSYC230, or ASL110 only	3	0	3

TOTAL CREDITS – 24

*Elective is limited to: HUMA135, PHIL240, PSYC230, or ASL110 only.



HOMELAND SECURITY

CERTIFICATE

The market for homeland security jobs is growing at all levels in the public and private sectors. Earning a Certificate in Homeland Security at Great Bay can provide emergency response professionals the skills and expertise necessary to effectively plan, prepare, and respond for a potential terrorist attack. Students pursuing a Criminal Justice degree may also take the Homeland Security Certificate to enhance their potential employment opportunities.

Program Outcomes:

Upon completion of the homeland security certificate at Great Bay, graduates will be able to:

- Examine the historical and evolving concept of homeland security within the broader political and national security system of the contemporary nation-state.
- Recognize the detailed mitigation, planning, response, and recovery phases to and from a homeland security incident.
- Differentiate among the various homeland security threats to include those that are man-made, technological, and natural.
- Discuss the strategic, operational, and tactical threats presented by chemical, nuclear, and biological agents to include agent characteristics and delivery systems.
- Distinguish among and assess the various homeland security approaches, techniques, and processes, such as analytics, indications, warnings, and forecasting.
- Explain the key administrative and command and control elements of the evolving homeland security relationships among the intelligence community, Department of Homeland Security, interagency processes and institutions; federal, state, and local intergovernmental relations; and a comprehensive U.S. homeland security strategy
- Be able to assess the risk of threat and utilize crisis management strategies to develop a plan and minimize organization and community vulnerability.

Technical Standards

Applicants should be aware that thorough 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 had involvement with the law may not be employable. Due to the possible negative impact on future employability applicants are strongly advised to discuss any concerns with the Department Chair prior to applying to the program.

To be successful in the Homeland Security field, one must demonstrate the emotional stability required to exercise sound judgment, accept direction and guidance from a supervisor. One must also be able to establish rapport and maintain sensitive interpersonal relationships with employees, customers and clients. Overall opportunities within Homeland Security will be favorable for individuals who meet psychological, physical, and personal qualifications.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Homeland Security more than 10 years old will be evaluated by the program coordinator on an individual basis.

CORE REQUIREMENTS - 10 CREDITS

		TH	LAB	CR
HLS110	Introduction to Homeland Security	3	0	3
HLS115	Crisis Planning, Operations, and Management	4	0	4
HLS120	Introduction to Terrorism	3	0	3

Students must select two additional courses from the following list:

		TH	LAB	CR
CRJ121	Criminal Procedure	4	0	4
CRJ123	Criminal Law	4	0	4
CRJ150	Criminology	3	0	3
POL220	Public Administration	3	0	3
IST161	Introduction to Information Assurance	2	2	3

TOTAL CREDITS - 16



Police Testing

The Great Bay Police Testing Alliance is a regional testing process offered through a partnership with Great Bay Community College and over forty law enforcement agencies. Participation in this test will place the applicant on the eligibility list of approximately forty New Hampshire, Northern Massachusetts and Southern Maine law enforcement agencies.

The following agencies listed below are members of the Great Bay Police Testing Alliance:

Alton; Allenstown; Bartlett; Bedford; Berwick, ME; Conway; Dover; Durham; East Kingston; Epsom; Exeter; Farmington; Gilford; Goffstown; Groveland, MA; Keene; Kensington; Lee; Madison; Milton; Mont Vernon; Moultonborough; New Durham; Newfields; Newington; Newmarket; Plaistow; Portsmouth; Rochester; Rollinsford; Rye; Seabrook; Somersworth; South Hampton; Strafford; Stratham; Tamworth; Tuftonborough; Wakefield; West Newbury, MA; Wolfeboro; and York, ME



All Participating Agencies of the Great Bay Police Testing Alliance are Equal Opportunity Employers.

Please Note: Additional agencies may be included. Please check our website at www.greatbay.edu/policetesting for a current list of Great Bay Police Alliance member agencies.

Testing Process:

The testing process takes approximately two (2) hours and begins at 8:00 am. Participants are asked to arrive at 7:30 am to check in. Candidates may be asked to participate in additional testing or review at some future date. This additional consideration may include further written tests, oral interviews and examinations, polygraphs, medical and psychological evaluations, fitness and agility testing, and/or intensive background investigations. The entire selection process is normally accomplished within a period of 60-90 days. All follow-up testing and review depend on the hiring needs of the individual Great Bay Police Testing Alliance member departments.

Frequently Asked Questions:

Is there a study guide available to prepare for the exam?

There is no study guide available at this time.

What is on the exam?

There are math, cognitive, and personality sections on the exam.

Do I take a Physical Agility test the day of the exam?

No. Each participating agency will determine the next step in the hiring process and contact you directly.



Registration information can be found at the Great Bay Police Testing Alliance website at www.greatbay.edu/policetesting.

For further information please contact:

Monique Graf
(603) 427-7667
mgraf@ccsnh.edu



HOSPITALITY MANAGEMENT

ASSOCIATE IN SCIENCE CERTIFICATE

The Hospitality industry serves an important role in the global economy and is one of the largest and fastest growing in the U.S. The Hospitality Management Associate in Science Degree and Certificate programs prepare students for a wide variety of positions with hotels, resorts, spas, country clubs, restaurants, food service operations, cruise lines, casinos, tourism associations, event planning and convention services, recreation facilities, and more.

The Hospitality program is designed to give students a solid foundation in operations, management, marketing, sales and service. The program is designed to prepare students for an exciting career after graduation or for transfer to a four-year institution. Elective options offer students the flexibility to customize the program to fit their career needs and interests. Certificate programs in Spa Management, Event & Meeting Planning Management, and Hotel/Restaurant Management can be earned by completing the degree program or can serve as a cost and time effective fast track to specialized skills for professionals changing careers or seeking advancement opportunities.

With Great Bay located in one of New Hampshire's most popular tourism regions, our students have a variety of internship opportunities. Hospitality students can also graduate with industry recognized credentials and field experience helping them stand out in the marketplace. Students may elect to take the National Restaurant Association-Educational Foundation's certification exam in sanitation and beverage management as well as the Delphi Sales and Catering system certification exams for a program used by over 70,000 sales and catering professionals worldwide.

Hospitality careers can include, but are not limited to, hotel reservations, hospitality sales and marketing, hotel and restaurant management and supervision, spa manager and supervisor, convention services, hotel front desk, wedding and event planning, hotel operations, entrepreneurship opportunities, and private club management.

Program Outcomes

Graduates of the Hospitality Management program will be able to:

- Identify the fundamental components of the Hospitality industry and how they impact one another.
- Understand the importance of the guest-host relationship inherent to the hospitality industry and the strategies used to achieve service excellence.

- Know how to plan, organize, coordinate, and market a special event, meeting, or conference.
- Possess a working knowledge of legal issues and liabilities that impact the food, beverage, spa, lodging, and event industries.
- Acquire the basic skills of effective restaurant management including menu planning, food and beverage safety, sanitation and cost control, forecasting, operational analysis, and human resource management.
- Demonstrate a solid understanding of hospitality management from beginning design concepts, business planning, day to day operations to positioning for the future growth of a variety of hospitality operations including spas, resorts, hotels, restaurants, events, and more.
- Apply sales and marketing principles and practices to the hospitality industry.
- Be prepared to enter the work force in an entry-level position within the field of hospitality.

Technical Standards

Technical standards have been established to provide guidance to students regarding the skills and abilities required to function successfully in the Hospitality Management program and ultimately in the Hospitality profession. Students in the Hospitality Management Degree and related Certificate programs must be able to demonstrate the ability to:

- Communicate effectively using written, and oral techniques, including the use of technology;
- Conduct themselves in a professional manner;
- Work independently and in teams;
- Work with frequent interruptions, respond appropriately to unexpected situations, and cope with variations in workload and stress levels.

Health and Internship Considerations

Students participating in an internship are required to follow The College immunization policy. See page 28.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Hospitality Management more than ten years old will be evaluated by the program coordinator on an individual basis.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
HOSP110	Introduction to Hospitality Management	3	0	3
BUS114	Management	3	0	3
CIS156	Computer Applications in Business*	2	2	3
ENGL110	College Composition I	4	0	4
HOSP210	Customer Service	3	0	3
<i>Total</i>		16	2	17

* Prerequisite: placement in CIS156 or successful completion of CIS110

Spring Semester		TH	LAB	CR
ACCT113	Accounting and Financial Reporting I	3	0	3
MATH145	Topics in Applied College Mathematics	4	0	4
HOSP175	Hospitality Marketing & Sales	3	0	3
HOSP150	Hotel Operations	3	0	3
SOC250	Multi-Ethnic Cross Cultural Relations	3	0	3
<i>Total</i>		16	0	16

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
GEOG110	World Geography	3	0	3
ENG210	Communications	3	0	3
HOSPXXX	Hospitality Elective	3	0	3
HOSPXXX	Hospitality Elective	3	0	3
	Science Elective	3	0	3
	Business or Computer Technologies Elective	3	0	3
<i>Total</i>		18	0	18

Spring Semester		TH	LAB	CR
PSYCH120	Leadership Development	3	0	3
HOSP275	Senior Hospitality Management Seminar	3	0	3
HOSP280	Hospitality Internship	0	9	3
or	or			
HOSPXXX	HOSP Elective	3	0	3
	Humanities/Fine Arts/Foreign Language Elective	3	0	3
	Business or Computer Technologies Elective	3	0	3
<i>Total</i>		15	9	15

TOTAL CREDITS - 66

Hospitality Management Associate Degree Elective Options

In order to complete the degree program, students may select any two of the following elective courses, provided they meet the prerequisite requirements. These electives will also apply to Hospitality Management Certificates. See below for more information.

Hotel/Restaurant Management

HOSP230	Restaurant Development & Strategic Planning	3
HOSP235	Food & Beverage Operations	3

Spa Management

HOSP244	Introduction to the Spa Industry	3
HOSP245	Spa Operations Management	3

Event & Meeting Planning Management

HOSP215	Meeting & Convention Management	3
HOSP250	Event Planning	3

HOSPITALITY MANAGEMENT CERTIFICATE PROGRAMS

These Certificate programs are designed for students wishing to specialize in one area of hospitality: Hotel/Restaurant Management, Spa Management, or Event & Meeting Planning Management. All 21 credits in each certificate program may be applied toward a degree in Hospitality Management or may serve as a stand alone certificate for professionals preparing for a career change or advancement opportunities.

Hotel/Restaurant Management Certificate Program

This certificate prepares students for a variety of career options in lodging and food service. Students with a desire to help people and

assist in daily management and operations will find a multitude of opportunities with hotels, resorts, restaurants, casinos, clubs, convention centers, and cruise lines.

HOSP110	Introduction to Hospitality Management	3
HOSP210	Customer Service	3
HOSP150	Hotel Operations	3
HOSP235	Food & Beverage Operations	3
HOSP230	Restaurant Development & Strategic Planning	3
HOSP215	Meeting & Convention Management*	3
HOSP175	Hospitality Marketing & Sales	3

21 credits

**Students pursuing the Associate Degree in conjunction with the Certificate will take HOSP215 instead of HOSP280.*

Spa Management

This certificate prepares students for career opportunities in a variety of spa facilities including hotels, resorts, cruise ships, day spas, salons, medical spas, and fitness centers. Students will develop skills to supervise day to day operations, oversee massage and skin therapists, nutritionists and other specialists while ensuring that customers feel pampered in a relaxed atmosphere.

HOSP110	Introduction to Hospitality Management	3
HOSP244	Introduction to the Spa Industry	3
HOSP245	Spa Operations Management	3
HOSP210	Customer Service	3
HOSP175	Hospitality Marketing & Sales	3
HOSP275	Hospitality Management Seminar	3
	Business or Computer Technologies Elective	3

21 credits

Event & Meeting Planning Management

This certificate prepares students for employment in event and meeting planning management for large hotels, resorts, conference or convention centers, attractions, private catering operations, event management companies, private corporations and independent event planners. Students who love working with people, are detail oriented, and enjoy coordinating events should consider this rapidly growing field.

HOSP110	Introduction to Hospitality Management	3
HOSP210	Customer Service	3
HOSP150	Hotel Operations	3
HOSP175	Hospitality Marketing & Sales	3
HOSP215	Meeting & Convention Management	3
HOSP250	Event Planning	3
HOSP275	Senior Hospitality Management Seminar	3

21 credits

INFORMATION SYSTEMS TECHNOLOGY

ASSOCIATE IN SCIENCE CERTIFICATE

The Department of Information Systems Technology offers coursework in computer hardware repair, computer networking, network security and network management. This coursework opens the door to career changes, career enhancements, and career opportunities. The demand for IT professionals continues to rise. IT professionals are being sought after with higher salaries as an incentive. Continuing education opportunities are available for IST graduates through current articulation agreements with four-year colleges. Courses will be offered on a rotating semester basis. Students should work with their advisors to plan course selections to optimize program completion time.

Program Outcomes

Pending course selection students will be able to:

- Design local area networks using multiple sub-networks
- Configure networking devices to forward traffic throughout a local area network
- Configure networking devices to connect to internet service provider network
- Configure and maintain personal computers in a networked environment
- Configure and maintain network servers
- Install and test physical layer infrastructure to include copper, fiber-optic, and wireless media
- Install and configure Windows workstations and servers
- Establish and maintain basic network security policies and procedures
- Configure and maintain advanced network security devices
- Prepare for selected industry recognized certifications

Technical Standards

Students who enroll in the program should comprehend the English language, both oral and written, and have sufficient keyboarding skills to produce electronic documents in a timely manner. They should be able to sit or stand at a desk or workstation and stay on task for extended periods of time. They should be detail-oriented, able to read small print, and perform basic mathematical operations. Successful employees in the field demonstrate the emotional stability required to exercise sound judgment, accept direction and guidance from a supervisor and establish rapport and maintain sensitive interpersonal relationships with employees, customers and clients.

Health and Internship Considerations

Students participating in an internship are required to follow The College immunization policy. See page 28. The college must ensure that stakeholders 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, customers and clients.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, all Information Systems Technology transfer credits will be evaluated by the IST chairperson or his/her designee.

DEGREE PROGRAM - GENERAL EDUCATION CORE COURSES 27 CREDITS

		TH	LAB	CR
ENGL110	College Composition I	4	0	4
ENGL215	Writing Technical Documents	3	0	3
MATH150	College Algebra*	4	0	4
PHYS135	College Physics I	3	3	4
	Social Science Elective	3	0	3
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
	Liberal Arts Electives	6	0	6
	Total	26	3	27

*Approved substitutions for MATH150 are MATH 210, MATH 230, MATH 250

At least 18 credits must be at the 200 level. Up to 9 CIS credits may be applied at either the 100 or 200 level in fulfillment of IST degree requirements.

INFORMATION SYSTEM TECHNOLOGY CORE COURSES 39 CREDITS

		TH	LAB	CR
IST112	Applied Logic	3	0	3
IST113	IT Essentials PC Hardware & Software	2	2	3
IST114	IT Network Operating Systems	2	2	3
IST122	Network Fundamentals	2	2	3
IST123	Routing Protocols	2	2	3
IST141	Fundamentals of UNIX	2	2	3
IST151	Windows Network Operating System	2	2	3
IST161	Intro to Information assurance	2	2	3
PHOT110	Intro to Photonics	3	2	4
IST200	Communications Electro-optics	2	2	3
IST211	PC Technician	2	2	3
IST218	Networking Remote Access	2	2	3
IST220	Advanced Routing	2	2	3
IST221	MultiLayer Switching	2	2	3
IST222	LAN Switching & Wireless	2	2	3
IST223	Accessing the WAN	2	2	3
IST227	Internetwork Troubleshooting	2	2	3
IST228	Network Implementation	2	2	3
IST251	Windows NOS Services	2	2	3
IST257	Windows NOS Administration	2	2	3
IST262	Advanced Network Security	2	2	3
IST264	Configuring PIX Security Appliance	2	2	3
IST275	Network Protocols & Services	2	2	3
IST281	Internship	1	8	3
IST291	IST Project	1	8	3

TOTAL CREDITS - 66

INFORMATION SYSTEMS TECHNOLOGY CERTIFICATE

The 24-credit IST Certificate is designed to prepare the student for a place in the Information Technology workplace with a 24-credit milestone. The eight-course requirement is flexible, with a maximum of fifteen 100-level credits in courses with IST designations and a minimum of nine 200-level credits in courses with IST designations.

The eight-course sequence of the IST Certificate program provides some preparation for industry-recognized certifications such as the CompTIA A+, CompTIA Net+, CompTIA Security+, Cisco Certified Network Associate (CCNA), FOA Certified Fiber Optic Technician (CFOT), FOA Fiber To The Premises (CFxT), and the Microsoft Certified Professional (MCP).

Students may then choose to finish the Associate in Science Degree and further their education at a four-year college. Students who already have a degree may choose this Certificate to redirect their expanding networking skills and prepare them for the rapidly changing and ever-challenging world of Information Technology.

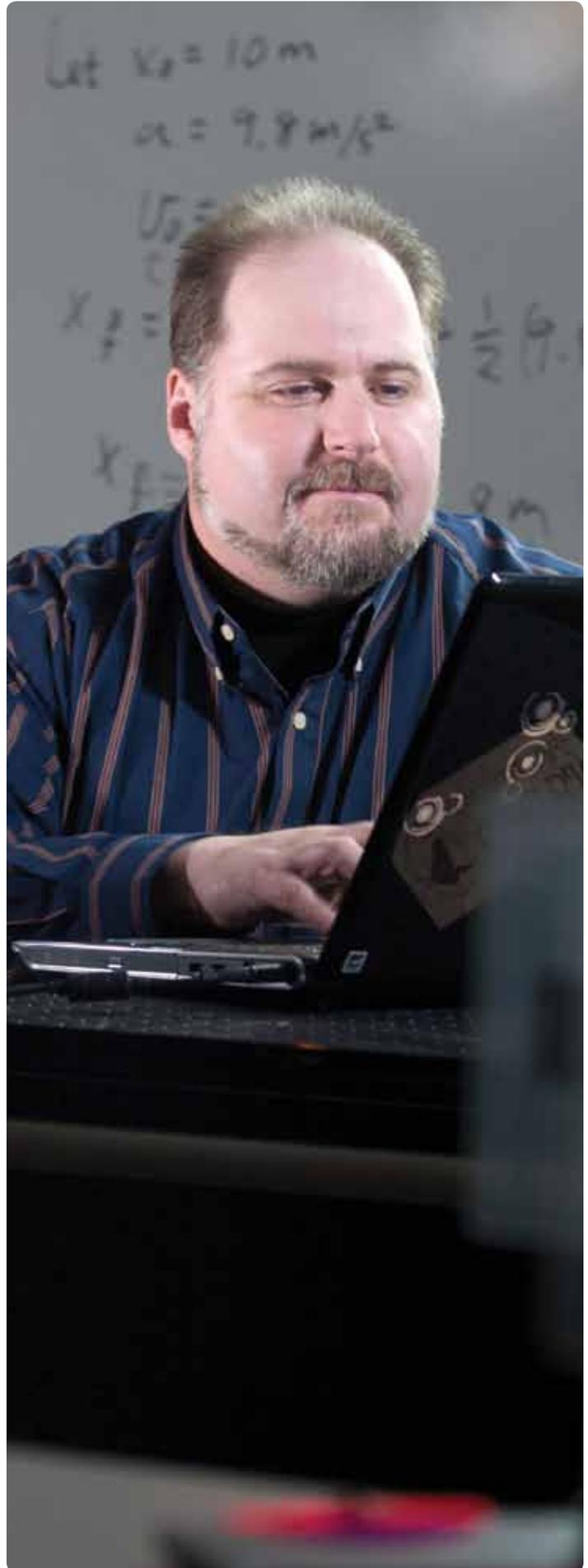
Up to nine credits may be taken under the CIS designation and applied to the IST Associate in Science Degree or IST Certificate programs.

Curriculum Recommendations

Students are encouraged to explore the topic areas of networking devices, network infrastructure, PC maintenance and support, security, and Windows network operating systems during their 100 level course experiences and focus on their specific areas of interest when selecting their 200 level coursework.

The course sequence of IST122, IST123, IST222, and IST223 comprise the entire Cisco Certified Network Associate (CCNA) Academy. These courses are offered in 8 week/8 week format over a semester to allow students to complete the CCNA Certification preparation track over two semesters.

The IST200 and IST228 courses offer the Fiber Optic Association CFOT, AFOT, CFxT, and CPCT (see www.thefoa.org for details) certification exams as part of the course assessments. Other industry certification exams such as the Cisco, Microsoft, or CompTIA certifications are not included within the IST program. However, the IST curriculum is designed to provide foundation preparation for these industry certification exams. Students wishing to pursue these certifications must arrange to take these exams on their own.



LIBERAL ARTS

ASSOCIATE IN ARTS

The Associate of Arts degree program of study provides a solid core of courses in arts and sciences, allowing students to transfer with confidence to Baccalaureate programs at four-year colleges and universities. A wide variety of course choices exists for students to explore content areas in arts and sciences. American Studies courses offer an interdisciplinary approach to topics related to American society. English selections include writing courses, literature, communications, and technical writing. Social Science selections include anthropology, economics, history, geography, political science, psychology, and sociology. Foreign Language selections include American Sign Language, and Spanish. Humanities selections include courses in western civilization, humanities, literature, philosophy, communications and creative writing, and American Studies. Fine Arts selections include arts courses in drawing. Math courses offer traditional theoretical and applied courses. Science selections can include biology, biotechnology, chemistry, physics, and photonics. Students wishing to focus their Liberal Arts studies in a specific discipline are able to concentrate their 24 Liberal Arts elective credits in that discipline. Each student's program is developed in consultation with a Liberal Arts faculty advisor.

In addition to fulfilling the mission of Baccalaureate transfer, the program will also provide the core of general education requirements for all degrees at this College.

Program Outcomes

The primary objective of the Liberal Arts Degree program is transfer. The program is representative of the first two years of a baccalaureate program. Its academic format emphasizes access to various disciplines of knowledge, critical thinking, and the principles and techniques of research within academic subject areas. Students will find the program flexible enough to allow them to select courses based on the requirements of the four-year colleges to which they plan to transfer or use their course selections to clarify their educational goals and to explore career opportunities and interests. This broad experience provides students with the academic exposure relevant to intellectual, personal, and social growth.

- Completion of a degree program based upon the discovery and development of academic interests.
- Exposure to a variety of courses that satisfy general education requirements at GBCC and transfer institutions.
- Involvement in or completion of Associate of Arts concentrations that prepare students to transfer to specific baccalaureate degrees at four-year institutions.
- Participation in elective offerings in the Arts and Science disciplines that support intellectual enrichment and continued study in a variety of fields.

Through their involvement in a variety of Arts and Sciences courses, students will develop the skills necessary to interpret facts, solve problems, evaluate issues, appreciate aesthetics, develop multiple perspectives, and think critically and creatively.

Transfer Credit Policy:

In addition to Great Bay transfer credit policies, Liberal Arts and Science courses will be considered for transfer regardless of when they were taken as long as they meet minimum grade requirements. See individual department policies for program exceptions on general education requirements. In the case of English and math course transfers, it may be recommended that the student take portions of the

Accuplacer Placement Test to demonstrate the skill level required for success in subsequent classes within the program.

Transfer of a course to this institution does not guarantee transfer of that same course to subsequent institutions. SAT testing may be required by some transfer institutions.

LIBERAL ARTS DEGREE PROGRAM OF STUDY CORE REQUIREMENTS

		Credits
FYE101	First Year Seminar	1
ENGL110	College Composition I	3-4
ENGL214	College Composition II	3
	Lab Science Electives (BIOL, BTEC, CHEM, PHOT, PHYS)	8
	Math Electives	6-8
	Humanities/Foreign Language/Fine Arts Electives (AMER, ARTS, ENGL Literature, or ENGL 210, 213, HUMA, PHIL, SPAN, ASL, HIST 120,130)	9
	Social Science Electives (AN, ECON, HIST, GEOG, POL, PSYC, SOC)	9

ELECTIVE REQUIREMENTS - 24 CREDITS

Liberal Arts and Sciences Electives (American Studies, Art, English, Geography, History, Humanities, Languages, Math, Natural Resources, Social Sciences, or Sciences) and can include three Open Electives as appropriate to other programs' prerequisites. A computer literacy course can be included within the Open Electives area. Electives must include at least 3 Liberal Arts and Science courses at the 200-level.

TOTAL CREDITS – 66

LIBERAL ARTS/AMERICAN STUDIES Associate in Arts

American Studies, a concentration within Liberal Arts, is the interdisciplinary study of the United States and all its local, national, and global contexts. Drawing from a variety of content areas and methodologies, American Studies focuses on particular American moments, places, and ideas, such as baseball, literature, malls, jazz, amusement parks, historical sites, comic books, gravestones, automobiles, fashion, and landscapes in order to pursue questions, such as "What is American culture? What does it mean to be American? Who, What, and Where is 'American'?" And what is at stake when we ask these questions? The degree program is designed to provide students with the rigorous interdisciplinary training necessary to transfer into baccalaureate programs in not only American Studies, but related fields as well, such as English, History, Political Science, Education, Sociology, Anthropology, and others. Students with degrees in American Studies have found jobs in a wide variety of fields such as publishing, education, communications, government, public service, public relations, marketing, management, law, and social welfare to name a few.

Program Outcomes:

Students will understand the methods, goals, and value of an interdisciplinary investigation of American history, ideology, culture and discourse.

Students will be acquainted with themes and questions commonly addressed in the field of American Studies and understand how they

arise from, and inform particular historical and cultural moments.

Students will be prepared to move on to a more extensive program of American Studies and/or related fields such as History, American Literature, or Political Science.

Transfer Credit Policy:

In addition to Great Bay transfer credit policies, Liberal Arts and Science courses will be considered for transfer regardless of when they were taken as long as they meet minimum grade requirements. See individual department policies for program exceptions on general education requirements. In the case of English and math course transfers, it may be recommended that the student take portions of the Accuplacer Placement Test to demonstrate the skill level required for success in subsequent classes within the program.

Transfer of a course to this institution does not guarantee transfer of that same course to subsequent institutions. SAT testing may be required by some transfer institutions.

CORE REQUIREMENTS

		Credits
FYE101	First Year Seminar	1
ENGL110	College Composition I	3-4
ENGL214	College Composition II	3
ENGL127	Introduction to Literary Analysis	3
	Lab Science Electives	8
	Math Electives	6-8
	Humanities/Foreign Language/Fine Arts Electives	6
	Social Science Electives	9

**It is recommended that students make elective choices based upon particular 4-year colleges' transfer requirements and general education cores.*

AMERICAN STUDIES CONCENTRATION

		Credits
AMER110	Introduction to American Studies	3
AMER210	American Studies Seminar	3
AN101	Anthropology	3
ENGL209	American Literature through the Civil War	3
ENGL220	American Literature After the Civil War	3
HIST202	US History Through 1870	3
HIST204	US History 1870 to the Present	3
POL110	American Government	3

TOTAL CREDITS - 66

Curriculum Recommendations

- It is recommended that students make Lab Science, Math, Humanities/Foreign Language/Fine Arts, and Social Science Elective choices based upon particular 4-year colleges' transfer requirements and general education cores.
- It is recommended to take AMER110 Introduction to American Studies, ENGL110 College Composition I, and FYE101 First Year Seminar in the first semester.
- It is recommended to take ENGL127 Intro to Literary Analysis prior to the American literature survey courses.

LIBERAL ARTS/BUSINESS STUDIES ASSOCIATE IN ARTS

The Business Studies Department offers an Associate in Arts in Liberal Arts with a concentration in Business Studies. The Business Studies Department is accredited by the Association of Collegiate Business Schools and Programs (ACBSP).

The Liberal Arts Business Studies degree is designed to facilitate transfer to a four-year institution for continued study in a business field. Additionally, the program prepares students for entry-level jobs in the business world. This degree provides the framework needed for successful business careers in management, high-tech industries, manufacturing, banking, health care, communications, service industries, and non-profit organizations.

Program Outcomes

Graduates of the Associate Degree in Liberal Arts/Business Studies will:

- ▶ Be prepared for an entry-level career in the business labor market.
- ▶ Possess the framework necessary for successful careers in: banking, communications, health care, high-tech industries, management, manufacturing, marketing, service industries, and non-profit organizations.
- ▶ Be prepared for transfer to a four-year institution.
- ▶ Understand the fundamentals of accounting, economics, management and marketing.
- ▶ Demonstrate a command of English composition.
- ▶ Demonstrate a command of business communications.
- ▶ Demonstrate a command of team work.

Health and Internship Considerations

Students participating in an internship are required to follow The College immunization policy. See page 28.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Business Studies more than ten years old will be evaluated by the department chair on an individual basis. In the case of English and math course transfers, it may be recommended that the student take portions of the Accuplacer Placement Test to demonstrate the skill level required for success in subsequent classes within the program.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR	
FYE101	First Year Seminar	1	0	1	
ACCT113	Accounting and Financial Reporting I	3	0	3	
BUS114	Management	3	0	3	
BUS110	Introduction to Business	3	0	3	
CIS156	Computer Applications in Business*	2	2	3	
ENGL110	College Composition I	4	0	4	
		<i>Total</i>	16	2	17

** Prerequisite: placement in CIS156 or successful completion of CIS110*

Spring Semester		TH	LAB	CR	
ACCT123	Accounting and Financial Reporting II	3	0	3	
ENGL214	College Composition II	3	0	3	
MKTG125	Principles of Marketing	3	0	3	
MATH150	College Algebra	4	0	4	
	Business Elective (200 level)	3	0	3	
PHIL240	Ethics	3	0	3	
		<i>Total</i>	19	0	19

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
MATH215	Finite Mathematics	4	0	4
ECON234	Macroeconomics	3	0	3
	Lab Science Elective	4	0	4
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
	Social Science Elective	3	0	3
<i>Total</i>		17	0	17
Spring Semester		TH	LAB	CR
ECON235	Microeconomics	3	0	3
	Lab Science Elective	4	0	4
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
	Business Elective (200 level)	3	0	3
	Business Elective (200 level)	3	0	3
<i>Total</i>		16	0	16

TOTAL CREDITS - 69

LIBERAL ARTS/ENGINEERING SCIENCE ASSOCIATE IN ARTS

Engineering Science is a transfer program which meets the first and second year Baccalaureate requirements for math, chemistry, and physics which are the foundation of an Engineering career. The program of study has been developed in consultation with the University of New Hampshire's College of Engineering and Physics to align program requirements for transfer purposes. The core courses in the program are also common to most undergraduate Engineering programs.

The program is designed so that if a student's math placement scores indicate the need for prerequisites, the student may take 100 and 200 level pre-requisite math courses from the current college catalog as part of his/her Associate Degree requirements rather than as a qualification for program matriculation. The student will still complete the equivalent first year math and science courses of an Engineering Baccalaureate program. To fulfill the Elective requirements of the program, students may choose from math and science courses that will fulfill second year requirements at Baccalaureate institutions or from technical area courses or course sequences that are also transferable into many Engineering disciplines.

Program Outcomes:

- Students will access, generate, process, and transfer information using appropriate technologies.
- Students will understand mathematics and become mathematically confident by communicating and reasoning mathematically, by applying mathematics in real-world settings, and by solving problems through the integrated study of number systems, geometry, algebra, and trigonometry.
- Students will understand and apply scientific concepts, principles, and theories pertaining to the physical world and recognize the historical development of ideas in science.
- Students will apply technological knowledge and skills to design, construct, use, and evaluate products and systems.
- Students will understand the relationships and common themes that connect mathematics, science, and technology and apply the themes to other areas.

- Students will apply the knowledge and skills of mathematics, science, and technology to real-life problems and make informed decisions.
- After completing the program, students will be prepared to begin using mathematical analysis, scientific inquiry, and engineering design, as appropriate, to pose questions, seek answers, and develop solutions.

Transfer Credit Policy:

In addition to Great Bay transfer credit policies, Liberal Arts and Science courses will be considered for transfer regardless of when they were taken as long as they meet minimum grade requirements. See individual department policies for program exceptions on general education requirements. In the case of English and math course transfers, it may be recommended that the student take portions of the Accuplacer Placement Test to demonstrate the skill level required for success in subsequent classes within the program.

Transfer of a course to this institution does not guarantee transfer of that same course to subsequent institutions. SAT testing may be required by some transfer institutions.

Liberal Arts/Engineering Science Transfer Option Core Requirements

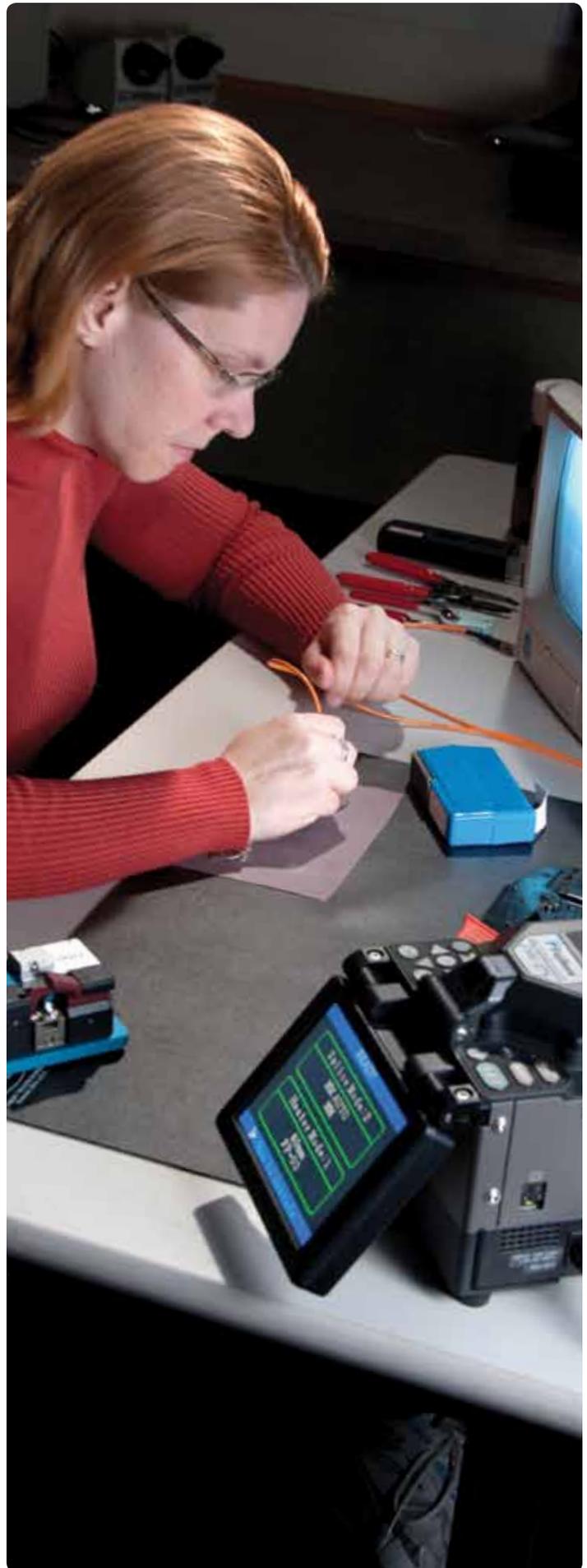
		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
ENGL110	College Composition I	4	0	4
ENGL214	College Composition II	3	0	3
CHEM115	General Chemistry I	3	3	4
CHEM116	General Chemistry II	3	3	4
PHYS290	University Physics I	3	2	4
MATH230	Calculus I	4	0	4
MATHXXX	Math Elective (May be fulfilled by MATH 150, MATH 210, MATH 250)	4	0	4
HUMAXXX	Humanities/Fine Arts/Foreign Language	9	0	9
SOCXXX	Social Science Electives	9	0	9
LIBAXXX	Liberal Arts Electives (May also be fulfilled by MATH 150, MATH 210, MATH 250, PHOT 110, PHYS 295)	9	0	9
<i>Subtotal</i>				55

One of the following 4 sequences must be chosen:

Course Sequences:

Sequence I		TH	LAB	CR
CIS112	Programming Logic	3	0	3
CIS118	Introduction to .NET	2	2	3
Plus 2 of the following 3 courses				
MATH250	Calculus II	4	0	4
PHYS295	University Physics II	3	2	4
PHOT110	Photonics	3	2	4
or Sequence II				
CIS112	Programming Logic	3	0	3
CIS148	Introduction to Java Programming	2	2	3
CIS158	Introduction to C++	2	2	3
Plus 1 of the following 3 courses				
MATH250	Calculus II	4	0	4
PHYS295	University Physics II	3	2	4
PHOT110	Photonics	3	2	4
or Sequence III				
IST113	IT Essentials: PC Hardware and Software	2	2	3
IST122	Network Fundamentals*	2	2	3
Plus 2 of the following 3 courses				
MATH250	Calculus II	4	0	4
PHYS295	University Physics II	3	2	4
PHOT110	Photonics	3	2	4
<i>* IST122 Network Fundamentals may be substituted by IST151 Windows Network Operating Systems</i>				
or Sequence IV				
MATH250	Calculus II	4	0	4
PHYS295	University Physics II	3	2	4
PHOT110	Photonics	3	2	4

TOTAL CREDITS - 67





MANAGEMENT

ASSOCIATE IN SCIENCE CERTIFICATE

The Associate in Science Degree in Management emphasizes broad management competencies in finance, marketing, human resources, economics, law, and computers. All of these competencies are needed in industry, nonprofit, and service organizations. The study of management focuses on how organizations develop and use strategies to compete in national and global arenas within the increasingly complex and changing socio-cultural, political/legal, economic, and technological environment.

Students in the program are encouraged to relate theoretical learning to practice and establish bridges between the classroom and the work environments. The Associate of Science Degree in Management provides the framework needed for successful management careers in high-tech industries, manufacturing, banking and finance, health care, communications, service industries, and nonprofit organizations.

The Management degree provides students with a solid management foundation in preparation for a career or it offers a base for seamless transfer to a four-year institution in pursuit of a Bachelor's degree. The Management program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) which supports transfers to many four year institutions. See transfer opportunities and articulation agreements on page 30.



Program Outcomes

Graduates with a degree in Management will:

- › Know the fundamentals of management theory and practices.
- › Demonstrate written and oral proficiency in business communications.
- › Understand the foundations and importance of business ethics and social responsibility.
- › Be able to transfer to a four-year college or university with a solid management and overall business studies foundation.
- › Demonstrate proficiency in analytical and critical thinking.
- › Be prepared to enter the workforce with entry-level management skills.
- › Possess a solid management foundation for transfer.
- › Understand the necessity for a commitment to life-long learning to ensure employability.
- › Demonstrate competency in fundamental areas of business: accounting, marketing, human resources, finance, computers, economics, and business law.

Health and Internship Considerations

Students participating in an internship are required to follow The College immunization policy. See page 28.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Management more than ten years old will be evaluated by the department chair on an individual basis.

Technical Standards

Graduates from the Management Program must be able to demonstrate the ability to communicate effectively using written and oral techniques, including the use of technology; conduct themselves in a professional manner; possess critical thinking and analytical skills; be comfortable using computers and computer application software; work independently and in groups.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
ACCT113	Accounting and Financial Reporting I	3	0	3
BUS114	Management	3	0	3
CIS156	Computer Applications in Business *	2	2	3
ENGL110	College Composition I	4	0	4
MATH145	Topics in Applied College Mathematics	4	0	4
<i>Total</i>		17	2	18

* Prerequisite: placement in CIS156 or successful completion of CIS110

Spring Semester		TH	LAB	CR
ACCT123	Accounting and Financial Reporting II	3	0	3
BUS211	Business Law	3	0	3
ECON234	Macroeconomics	3	0	3
MATH225	Probability and Statistics	4	0	4
	Science Elective	3	0	3
<i>Total</i>		16	0	16

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
BUS205	Small Business Management	3	0	3
BUS224	Human Resource Management	3	0	3
ECON235	Microeconomics	3	0	3
MKTG125	Principles of Marketing	3	0	3
PHIL240	Ethics	3	0	3
<i>Total</i>		15	0	15

Spring Semester		TH	LAB	CR
BUS210	Organizational Communications	3	0	3
BUS221	Business Finance	3	0	3
BUS282	Capstone Research	3	0	3
	Business Elective (ACCT,BUS,MKTG,HOSP)	3	0	3
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
	English Elective	3	0	3
<i>Total</i>		18	0	18

TOTAL CREDITS – 67

MANAGEMENT CERTIFICATE

		TH	LAB	CR
ACCT113	Accounting and Financial Reporting I	3	0	3
ACCT123	Accounting and Financial Reporting II	3	0	3
BUS114	Management	3	0	3
BUS211	Business Law	3	0	3
BUS224	Human Resource Management	3	0	3
CIS156	Computer Applications in Business *	2	2	3
	Business Elective (ACCT,BUS,MKTG,HOSP)	6	0	6

TOTAL CREDITS – 24

* Prerequisite: placement in CIS156 or successful completion of CIS110



MARKETING

ASSOCIATE IN SCIENCE CERTIFICATE

In an era of global, digitized, interactive business environments, Marketing offers one of the best career opportunities for today's business students. Marketing is a broad field which includes activities related to selecting, designing, packaging, pricing, advertising/promoting, selling, distributing, and servicing a product in the domestic and/or international marketplace. It is the driving force in most businesses.

The focus of the degree is on the application of current theories and concepts in effectively marketing goods and services to define target customers from a domestic and global perspective. Marketing is critically examined from the perspective of the consumer/client, economy, technology, legal/political issues, and ethical/social responsibility. Marketing classes integrate theory and practical applications while applying related business knowledge of information technology, accounting, economics and management principles.

Marketing personnel are employed in retail, industrial and commercial firms, schools and hospitals, both locally and internationally. Marketing offers something for every business student—a desk job as a market research analyst, or travel and excitement with the public as a salesperson, retailer, or public relations person.

The Marketing degree provides students with a solid foundation in preparation for employment or it offers students a strong educational base which will transfer to many four-year colleges. The Marketing program is accredited by the Accreditation Council for Business Schools and Programs (ACBSP) which supports transfers to many four year institutions. See transfer opportunities and articulation agreements on page 30.

Program Outcomes

Graduates with a degree in Marketing will:

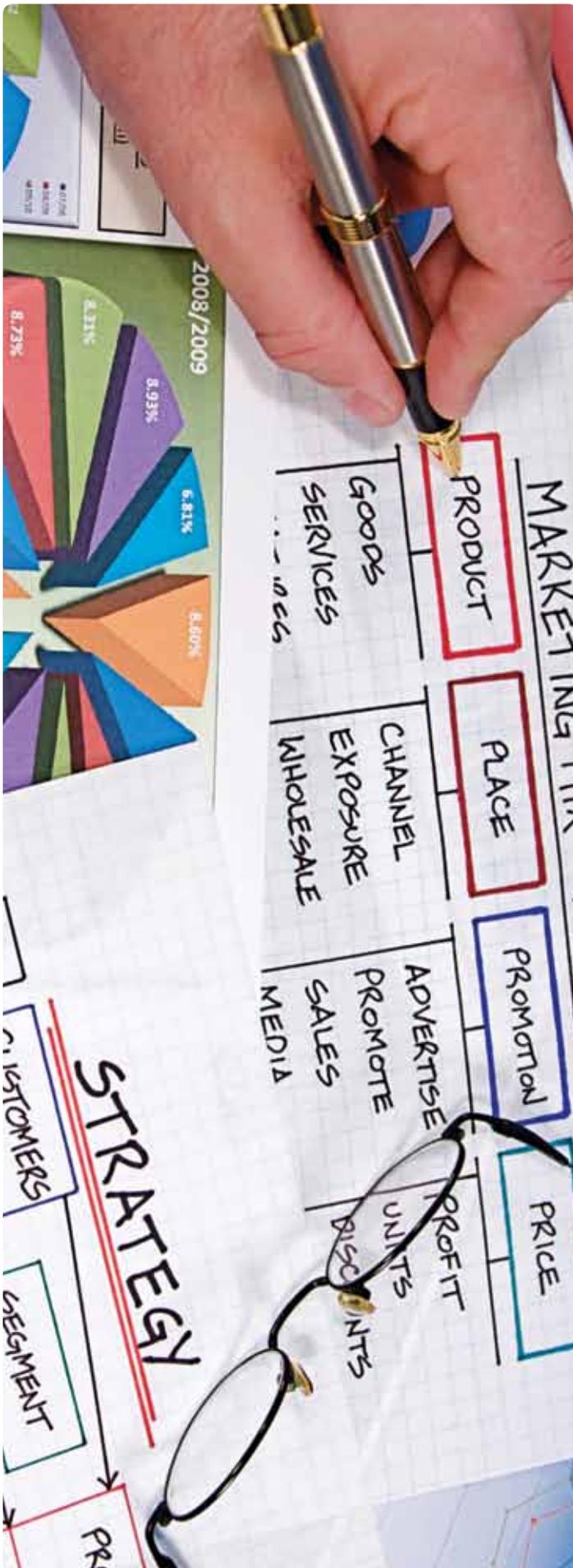
- ▶ Identify the marketing mix variables: product, price, place, and promotion.
- ▶ Create and develop an integrated marketing communication plan, including marketing objectives, strategies, and tactics.
- ▶ Analyze consumer decision making as it relates to consumer buying behavior and marketing decisions.
- ▶ Analyze the decision-making process in marketing products internationally and understand the role marketing plays in a global economy.
- ▶ Identify the components of a successful advertising campaign and implement the campaign; create and develop an advertising brief.
- ▶ Demonstrate knowledge of various advertising media such as print, radio, television, outdoor advertising, direct response, etc.
- ▶ Apply the strategic selling model to personal selling activities.
- ▶ Engage in a personal selling situation with emphasis on the customer relationship and deliver a personal sales presentation using a sales portfolio and other sales tools.

Health and Internship Considerations

Students participating in an internship are required to follow The College immunization policy. See page 28

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses in Marketing more than ten years old will be evaluated by the department chair on an individual basis.





MARKETING CERTIFICATE

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
MKTG125	Principles of Marketing	3	0	3
ACCT113	Accounting and Financial Reporting I	3	0	3
CIS156	Computer Applications in Business *	2	2	3
ENGL110	College Composition I	4	0	4
MATH145	Topics in Applied College Mathematics	4	0	4
<i>Total</i>		17	2	18

* Prerequisite: placement in CIS156 or successful completion of CIS110

Spring Semester		TH	LAB	CR
ACCT123	Accounting and Financial Reporting II	3	0	3
BUS211	Business Law	3	0	3
ECON234	Macroeconomics	3	0	3
MATH225	Probability and Statistics	4	0	4
	Science Elective	3	0	3
<i>Total</i>		16	0	16

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
MKTG210	Advertising	3	0	3
BUS155	Retailing Management	3	0	3
CIS142	Publication Design	2	4	4
ECON235	Microeconomics	3	0	3
ENGL210	Communications	3	0	3
<i>Total</i>		14	2	16

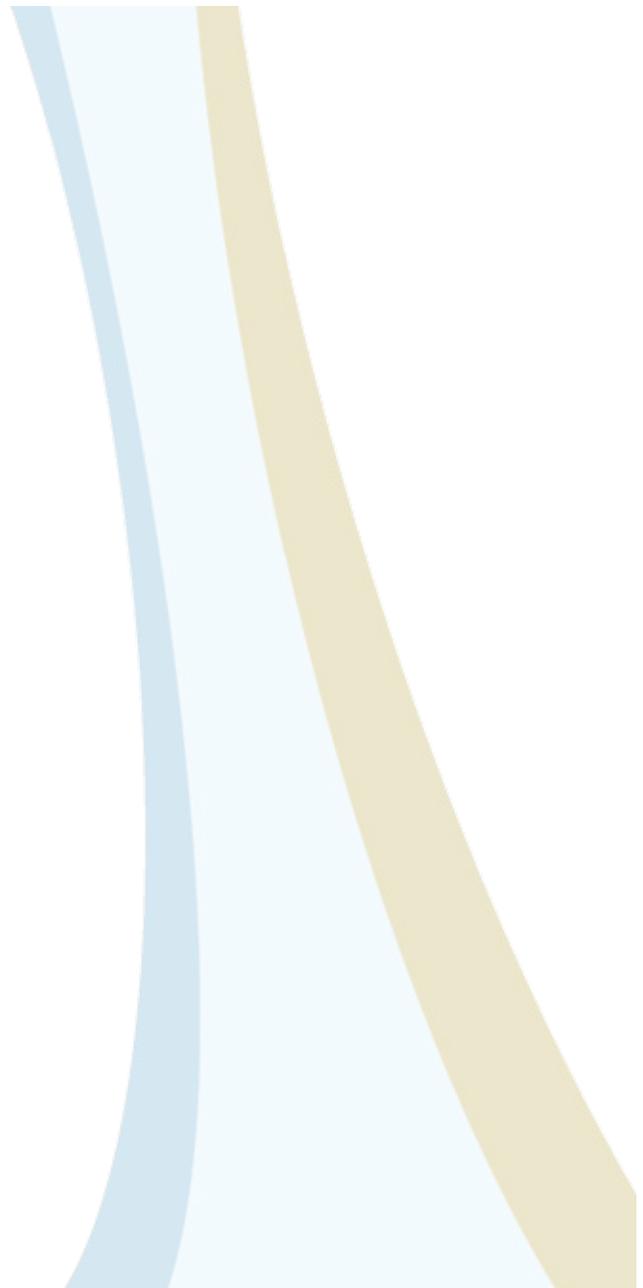
Spring Semester		TH	LAB	CR
MKTG135	Consumer Behavior	3	0	3
MKTG205	International Marketing	3	0	3
MKTG224	Sales & Sales Management	3	0	3
BUS210	Organizational Communications	3	0	3
BUS282	Capstone Research	3	0	3
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		18	0	18

TOTAL CREDITS – 68

		TH	LAB	CR
MKTG125	Principles of Marketing	3	0	3
MKTG135	Consumer Behavior	3	0	3
MKTG205	International Marketing	3	0	3
MKTG210	Advertising	3	0	3
MKTG224	Sales & Sales Management	3	0	3
BUS282	Capstone Research	3	0	3
CIS156	Computer Applications in Business *	2	2	3
ACCT113	Accounting and Financial Reporting I	3	0	3
	Business Elective (ACCT, BUS, MKTG, HOSP)	3	0	3

TOTAL CREDITS – 27

* Prerequisite: placement in CIS156 or successful completion of CIS110



MASSAGE THERAPY

ASSOCIATE IN SCIENCE CERTIFICATE

Over the years, Massage Therapy has become integral to conventional healthcare, complementary healthcare, and alternative healthcare environments. Massage Therapy is frequently used in sports medicine, hospitals, physical therapy, physicians' offices, as well as in the chiropractor's office, spa/resort settings, the gym, and the acupuncturist's office.

The Massage Therapy Associate Degree Program and the Certificate Program are approved by the New Hampshire Massage Therapy Advisory Board. Upon successful completion, students will be prepared to take any of the New Hampshire approved licensing exams. Graduates with an Associate Degree in Massage Therapy may choose to use the knowledge gained to continue their education in other allied health fields such as Physical Therapy, Chiropractic, Athletic Training, or Nursing.

Massage lecture teaches the theory of massage. The lab allows for direct application of the concepts covered in theory as well as proper posture and body positioning. Students will partner with each other to practice proper massage technique. Students who do not achieve a minimum of a "C" in all MASS designated and science courses will be suspended from the program.

Program Outcomes

Graduates from the Massage Therapy program will be able to:

- › Demonstrate a full body massage designed specifically for the client
- › Identify major muscles and muscle groups
- › Determine if massage is indicated or contraindicated for various conditions
- › Apply the skills learned in a variety of environments
- › Write SOAP notes and explain a treatment plan to the client
- › Develop a business plan and properly apply and interview for jobs

Technical Standards

The successful Massage Therapist is emotionally and psychologically stable. He/she is sensitive to the needs of the client, is able to set priorities, and perform in emergency situations in a quick, accurate detail-oriented manner should these arise. He/she should be flexible, and possess manual dexterity and physical stamina. The massage therapy program is physically and mentally strenuous and requires occasional heavy lifting such as assisting a physically challenged client in getting on and off the massage table. Individuals who cannot meet the professional, mental and physical demands may have difficulty meeting course objectives and the requirements of the field.

All potential and licensed Massage Therapists must be American Heart Association Heart Saver CPR Certified or American Red Cross or National Safety Council CPR Certified for adult/infant-child. In addition all potential and licensed massage therapists must be certified in First Aid.

Admissions Criteria

The application preferred deadline is July 1st for the fall semester, December 1st for the spring semester and May 1st for the summer semester. After the deadlines, applications will be accepted until the program is filled.

Admission Requirements for the Associate Degree in Massage Therapy

1. Complete an application to the program.
2. Provide an official copy of high school transcripts or GED and submit official copy of college transcripts (if applicable).
3. Provide two professional references (forms provided by College).
4. Satisfactory completion of high school biology or equivalent or proof of current registration prior to matriculation into the program. Computer background strongly recommended.
5. A personal interview with the program director is required.
6. Place into college level Math, Reading and Writing or demonstrate equivalent competencies through a college transcript or SAT scores.

Admission Requirements for the Certificate in Massage Therapy

1. Complete an application to the program.
2. Provide an official copy of high school transcripts or GED and submit official copy of college transcripts (if applicable).
3. Provide two professional references (forms provided by College).
4. Satisfactory completion of high school biology or equivalent or proof of current registration prior to matriculation into the program. Computer background strongly recommended.
5. A personal interview with the program director is required.
6. Place into college level Writing or demonstrate equivalent competencies through a college transcript or SAT scores.

Clinical Requirements

After acceptance and prior to the first week of classes, all Massage Therapy students must:

1. Submit a report of a current physical examination including all required health screenings and immunizations. Hepatitis B immunizations are at the discretion of the physician but are highly recommended.
2. Have a Level I criminal background check.
3. Possess and maintain professional liability insurance (available through the College or through the American Massage Therapy Association).
4. Be certified in adult/infant/child CPR and First Aid, prior to clinical assignments.

Massage Therapy Readmission Policy

Students matriculated in the Massage Therapy Program who withdraw or do not achieve the required minimum grade in the Massage Therapy Program or science courses and are not able to continue in the program may be eligible for readmission consideration. A student may be readmitted to the program one time only. Students who have failed a course because of lack of professionalism or unsafe practice involving actions or non-actions are not eligible for readmission to the Massage Therapy Program. Readmissions are contingent upon space availability. The student applying for readmission will be required to meet the curriculum requirements in effect at the time of readmission and must have maintained a C or better in all MASS designated and science courses. If two or more semesters have passed before readmission, the student will be required to successfully complete competencies exam for prior courses.

In order to be reconsidered for admission the student must submit a written, dated letter requesting readmission consideration to the Massage Therapy Program Coordinator. In this letter, briefly outline the reasons you were unable to continue in the program and identify the massage therapy course and level to which you are requesting readmission. Students who have requested readmission consideration will be ranked according to their prior Massage Therapy course average, as space availability is determined. Students will then be readmitted

based on their ranking order and at the discretion of the Massage Therapy Program Coordinator. Students will then be notified of the status of the request in writing by the Admissions Department.

Transfer Credit Policy

In addition to Great Bay Community College transfer credit policy, credit for Human Anatomy and Physiology I and II, and Kinesiology I and II cannot be more than ten years old at the time of acceptance. Credit for Pathology cannot be more than five years old at the time of acceptance. Transfer credits for Massage Therapy courses must be from an accredited school and will be at the discretion of the Massage Therapy Program Coordinator.

DEGREE AND CERTIFICATE PROGRAM

1 st Semester		TH	LAB	CR
FYE101	First Year Seminar	1	0	1
MASS111	Massage Anatomy and Physiology I	3	2	4
MASS110	Massage Therapy I	3	4	5
MASS121	Business Development for MT	2	0	2
MASS122	Ethics and Health Services Management	2	0	2
<i>Total</i>		11	6	14

2 nd Semester		TH	LAB	CR
MASS112	Massage Anatomy and Physiology II	3	2	4
MASS120	Massage Therapy II	3	4	5
MASS130	Kinesiology I	3	2	4
MASS230	Kinesiology II	2	3	3
MASS125	Clinical 1	0	3	1
<i>Total</i>		11	14	17

3 rd Semester		TH	LAB	CR
MASS210	Massage Therapy III	3	4	5
MASS250	Related Modalities & Adjunct Therapy	3	0	3
MASS220	Pathology	3	0	3
MASS215	Clinical 2	0	3	1
MASS225	Advanced Clinical	0	9	3
<i>Total</i>		9	16	15

TOTAL CREDITS FOR CERTIFICATE – 46

Additional General Education Requirements to complete AS degree		TH	LAB	CR
ENGL110	College Composition I	4	0	4
PSYC110	Psychology	3	0	3
MATH145	Topics in Applied College Mathematics	4	0	4
	English Elective	3	0	3
	2 Liberal Arts Electives	6	0	6
	Humanities Elective	3	0	3
<i>Total</i>		23	0	23

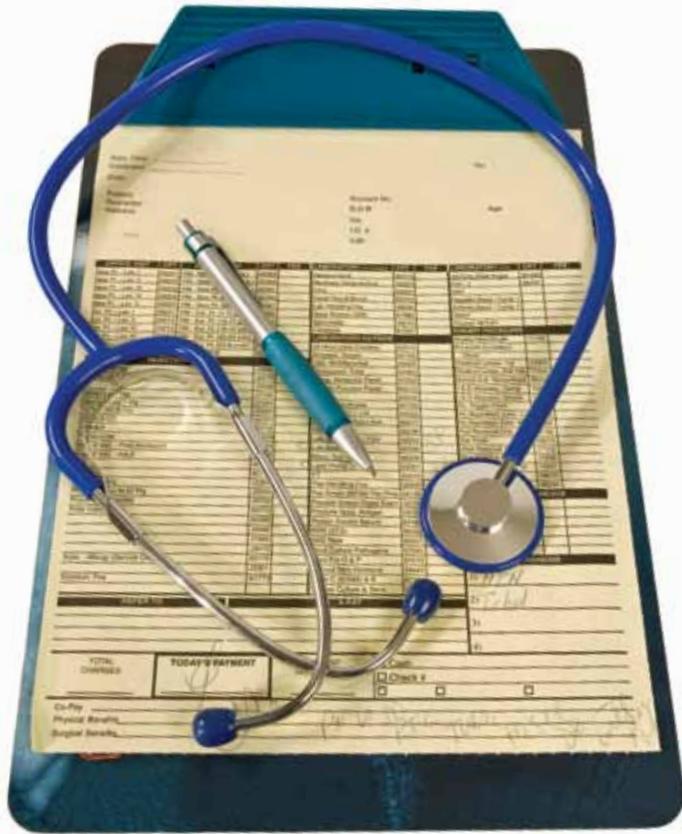
TOTAL CREDITS FOR ASSOCIATE DEGREE – 69

Curriculum Recommendations

- ▶ Students completing the Associate Degree, wishing to continue their education in the Allied Health field may choose to take BIOL110 and BIOL120, instead of MASS111 and MASS112.
- ▶ The Certificate Program can be completed in 3 semesters during the day, based on a fall semester start. Those who choose to attend part time and/or evening may take longer to complete the program.



MEDICAL OFFICE ADMINISTRATIVE ASSISTANT CERTIFICATE



Program Outcomes

Students completing the program are prepared to work for doctors, hospitals and other healthcare facilities, medical billing companies or in related fields. They will develop skills in medical software, CPT-4 and ICD-9 coding, medical terminology, medical insurance form preparation, and other related administrative office procedures. Successful completion of this Certificate will prepare students to take the American Academy of Professional Coders (AAPC) Exam. This is an independent national certification exam and the cost is not included in the fees associated with the college.

Technical Standards:

1. Basic computer skills
2. Good manual dexterity
3. Sufficient vision for reading information
4. Critical thinking ability
5. Ability to communicate well as a professional in a health facility
6. The ability to work independently

Admissions Criteria:

1. Complete an application to the program.
2. Provide an official copy of high school transcripts or GED.
3. Take placement testing for computers and reading. Students must place into College Level reading.

Transfer Credit Policy:

In addition to Great Bay transfer credit policies, transfer of courses in Medical Office Administrative Assistant program more than ten years old will be evaluated by the program coordinator on an individual basis.

CURRICULUM

		TH	LAB	CR
AH110	Medical Terminology	3	0	3
CIS110	Intro to Computers	2	2	3
AH112	Pathophysiology	3	2	4
MOAA120	Medical Office Administration	3	0	3
MOAA130	Medical Coding 1	3	0	3
MOAA210	Medical Coding 2	3	0	3
MOAA212	Medical Insurance Billing	3	0	3
<i>Total</i>		20	4	22

Medical office assistants perform administrative tasks to keep the offices of health practitioners running smoothly. The duties of medical assistants vary from office to office, depending on the location and size of the practice and the practitioner's specialty. In small practices, medical assistants usually do many different kinds of tasks, handling administrative and clinical duties and reporting directly to an office manager, physician, or other health practitioner. Those in large practices tend to specialize in a particular area, under the supervision of department administrators. The Medical Office Administrative Assistant program focus is on the administrative duties.

Medical office administrative assistants update and file patients' medical records, fill out insurance forms, and arrange for hospital admissions and laboratory services. They also perform tasks less specific to medical settings, such as answering telephones, greeting patients, handling correspondence, scheduling appointments, and handling billing and bookkeeping.

Medical office administrative assistants deal with the public; therefore, they must be neat and well groomed and have a courteous, pleasant manner and they must be able to put patients at ease and explain physicians' instructions. They must respect the confidential nature of medical information.

According to the department of Labor, employment of medical assistants is expected to grow 34% between 2008 and 2018, much faster than the average for all occupations.

Interested in a career in Nursing or Surgical Technology?

Great Bay Community College has several programs to help you get a great start on a career in a number of health professions.

- Interested in Attending an Info Session? [Admissions Website](#)
- Want to learn more? Make an appointment with Admissions Representative today! Call (603) 427-7610 or e-mail askgreatbay@ccsnh.edu

With a degree in Nursing from GBCC you can enjoy a career as a:

- Nurse Midwife
- Nurse Practitioner
- Nurse Educator

Employment of registered nurses is expected to grow by 22 percent from 2008-2018.

Median annual wages of registered nurses were \$62,450 in May 2008. The middle 50 percent earned between \$51,640 and \$76,570. The lowest 10 percent earned less than \$43,410, and the highest 10 percent earned more than \$92,240. *Occupational Handbook for 2010*

With a degree in Surgical Technology from GBCC you can enjoy a career in:

- Medical Sales
- Materials Manager
- Surgical Educator
- Surgical Nurse

Median annual wages of wage-and-salary surgical technologists were \$38,740 in May 2008. The middle 50 percent earned between \$32,490 and \$46,910. The lowest 10 percent earned less than \$27,510, and the highest 10 percent earned more than \$54,300. *Occupational Handbook for 2010*

Want to get started on the degree requirements now? Enroll in the Liberal Arts program at Great Bay and start working on your General Education requirements to ensure you get through the program as quickly as possible.



NURSING

ASSOCIATE IN SCIENCE

The Associate Degree Nursing Program is accredited by the National League for Nursing Accrediting Commission (NLNAC) and approved by the New Hampshire Board of Nursing. Upon satisfactory completion of the program, the graduate is eligible to apply to Educational Testing Service (ETS) and the New Hampshire Board of Nursing (NHBON) for the National Council Licensing Examination for Registered Nurses (NCLEX-RN). Prior to meeting all program course requirements, the matriculated Nursing students may be eligible to apply to the NHBON for additional licensure after successful completion (defined as achieving a minimum course grade of "C+") of the following Nursing courses:

- › Nursing I: Apply for additional licensure as a Licensed Nursing Assistant (LNA).
- › Nursing III: Apply for additional licensure as a Licensed Practical Nurse (LPN).

The New Hampshire Board of Nursing's licensing regulations may restrict candidates who have been involved in civil or criminal legal proceedings. Questions about licensing restrictions should be addressed to the New Hampshire Board of Nursing, 21 South Fruit Street, Suite 16, Concord, NH 03301. Questions about the status of accreditation for the Nursing program should be addressed to the National League for Nursing Accrediting Commission, 3343 Peachtree Road, NE, Suite 500, Atlanta, GA 30326. Phone: (404) 975-5000, Fax (404) 975-5020.

Program Outcomes

The goal of the Associate Degree Nursing Program is to prepare the student to provide direct care to clients in acute care, long-term care, and other structured settings. As a member of the discipline, the student collaborates with the healthcare team to provide and manage the care of clients. The student utilizes the nursing process as a basis for decision making in caring for well clients and clients with possible or actual health problems.

Learning experiences and clinical practice may vary in time and in locations including days, evenings, and/or weekends. The program may be completed on a full-time or part-time basis. Classroom and clinical components of the Nursing courses must be completed concurrently. All nursing courses must be completed within four years of the date of entry into the first nursing course. Students admitted to or re-entering the program must meet current requirements necessary for graduation. Advanced Placement and Transfer are possible through transfer credit and/or Excelsior College testing. Students may enroll in Liberal Arts and Science courses prior to admission to the Nursing program. Enrollment in these courses does not guarantee acceptance into the Nursing program. Students admitted into the Nursing program must take nursing courses in sequence, and must achieve a minimum grade of C+ (76.67) in all major theory and science courses (Nursing, Human Anatomy & Physiology I & II, and Microbiology) and a grade of "Pass" in clinical courses in order to continue in the program. Students who do not successfully achieve the minimum grade in the major theory, science and other co-requisite courses as outlined in the program course sequencing will be suspended from the Nursing program. Transportation to and from the practicum site is the responsibility of the student.

Technical Standards

This program is physically strenuous and requires some heavy lifting. Individuals must be able to meet the general health demands of the program in order to satisfy course/clinical objectives and the requirements of the field.



Admissions Criteria

A review of all **COMPLETED** Admission files will begin in March. Nursing program applications must be completed by February 28 to be considered for acceptance in the fall class. If the class is not filled with qualified applicants by that deadline, we will accept completed applications until July 1. After that point the program will be closed.

Admissions Requirements

1. Complete an application for the program.
2. Provide an official copy of high school transcripts or GED.
3. Provide an official copy of prior college transcripts if seeking transfer credit.
4. Provide proof of completion of high school algebra, biology, and chemistry or equivalent with a grade of "C" or greater or proof of registration in a course with projected date of completion by June 30th of the current year.
5. Complete the National League for Nursing Preadmission RN examination* with scores of 50 or greater in each of the three areas tested: Math, Science, and Verbal Ability. Applicants are permitted to take this exam once in any 6-month period. Exam must be taken no later than two weeks prior to application deadline.
6. Provide two professional references on the official form provided by The College (Alternative formats are not accepted).
7. Special Consideration points are given to applicants who have completed Human Anatomy and Physiology I and II prior to the February 28th deadline with a grade of "C+" within the past 5 years from the time of acceptance.

**The NLN Preadmission RN examination is designed to identify areas that may need strengthening before a prospective student begins the major course of study in Nursing. To receive information regarding the NLN Preadmission RN examination or to register for a specific exam date, contact the National League for Nursing Testing Services at <https://www.nlnonlinetesting.org/pax>.*

Clinical Requirements

After acceptance and prior to the first week of classes, all nursing students must:

1. Submit a report of a current (within 1 year prior to beginning first Nursing course) physical examination including all required health screening and immunizations.
2. Submit documentation of initial and/or annual testing for Tuberculosis (TB).
3. Submit documentation of Hepatitis B vaccine or a signed waiver.
4. Submit documentation of Influenza vaccine or a signed waiver.
5. Possess and maintain personal health and accident Insurance.
6. Possess and maintain professional liability insurance (available at The College).
7. Possess and maintain certification from the American Red Cross: CPR for the Professional Rescuer Course or American Heart Association equivalent.
8. Complete a criminal background check through approved vendor. Students may be required to perform more than one criminal background check throughout the course of the program based on clinical facility requirements. Participation in clinical experiences may be restricted or denied based on results of criminal record check and therefore would affect the ability of the student to meet course objectives and successfully complete the program.
9. Complete drug testing through approved vendor. Students may be required to perform more than one drug test throughout the course of the program based on clinical facility requirements. Participation in clinical experiences may be restricted or denied based on results of drug testing and therefore would affect the ability of the student to meet course objectives and successfully complete the program.

Nursing Readmission Policy

Students matriculated in the Nursing program who withdraw or do not achieve the required minimum grade in the Nursing or science courses and are not able to continue in the Nursing program may be eligible for readmission consideration. A student may be readmitted to the Nursing program one time only. Students who have failed a Nursing course because of unsafe practice involving actions or non actions are not eligible for readmission to the Nursing program (see Nursing Course Syllabi: Evaluation Methods). Readmissions are contingent upon space availability. The student applying for readmission will be required to meet the curriculum requirements in effect at the time of readmission. In order to be reconsidered for admission, the student must:

Submit a written, dated letter requesting readmission consideration to the Chair of the Department of Nursing. In this letter, briefly and generally outline the reason(s) you were previously unable to continue in the program and identify the Nursing course to which you are requesting readmission. Students who have requested readmission consideration will be ranked according to their Nursing course average. As space availability is determined, students will be readmitted based on their ranking order. Students will then be notified of the status of their request, in writing by the Admissions Department. Students will have to successfully complete course content, competency testing, and other requirements determined by faculty once they have been notified of their readmission status.

Advanced Placement or Transfer

In addition to the general admission criteria, students seeking advanced placement or transfer must have completed all prerequisite coursework by examination, challenge or transfer credit. Excelsior College examinations are available for the challenge process and are necessary to meet Nursing course requirements as follows:

Advanced Placement: A student must be a currently licensed practical nurse (LPN). In addition, in order to be considered for advanced placement into NURS211, Nursing III, a student must successfully complete the following Excelsior College examinations. A minimum grade of "C+" or better is required in all three exams within the past two years in order to be granted credit:

- #488: Essentials of Nursing Care: Health Safety
- #489: Essentials of Nursing Care: Health Differences
- #490: Essentials of Nursing Care: Chronicity

Students accepted for advanced placement into the senior year are required to take NURS200 Advanced Placement Seminar prior to the start of the senior year.

Transfer: In order to be considered for Transfer from another Nursing program into NURS 112, Nursing II, students must have successfully completed (defined as achieving a minimum course grade of "C+") a Nursing Fundamentals course while matriculated in another nursing program and the following Excelsior College examination #403: Fundamentals of Nursing with a C+ or better within the past two years.

Nursing Transfer Credit Policy: In addition to specific nursing course transfer policies noted above and other Great Bay Community College transfer credit policies, Human Anatomy & Physiology I and II and Microbiology must be taken within a five year period from the time of acceptance into the Nursing program.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
NURS111	Nursing I	6	9	9
BIOL110	Human Anatomy & Physiology I	3	3	4
FYE101	First Year Seminar	1	0	1
PSYC110	Introduction to Psychology	3	0	3
<i>Total</i>		13	12	17

Spring Semester		TH	LAB	CR
NURS 112	Nursing II	4	15	9
BIOL 120	Human Anatomy & Physiology II	3	3	4
PSYC 210	Human Growth & Development	3	0	3
<i>Total</i>		10	18	16

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
NURS 211	Nursing III	4	15	9
BIOL 210	Microbiology	3	3	4
ENGL 110	College Composition I	4	0	4
<i>Total</i>		11	18	17

Spring Semester		TH	LAB	CR
NURS 212	Nursing IV	3	18	9
MATH 145	Topics in Applied College Mathematics	4	0	4
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
	English Elective	3	0	3
<i>Total</i>		13	18	19

TOTAL CREDITS – 69

SURGICAL TECHNOLOGY

ASSOCIATE IN SCIENCE

The Surgical Technology Program is accredited by the Commission on Accreditation of Allied Health Education Programs (CAAHEP) and approved by the Association of Surgical Technologists (AST). The goal of the program is to prepare competent entry-level surgical technologists with the cognitive (knowledge), psychomotor (skills), and affective (behavior) domains needed to be successful in their careers. Upon satisfactory completion of the program, students may sit for the national certification exam by taking a nationally administered written exam through the National Board of Surgical Technology and Surgical Assisting (NBSTSA).

Surgical technologists are highly skilled members of the surgical team qualified by classroom education and supervised clinical experience. They work closely with the surgeon, anesthesiologist, registered nurse, and other surgical personnel to deliver the highest level of care for the surgical patient before, during, and after surgery. Duties include passing instruments and assisting the surgeon during surgery. With advanced training, surgical technologists may become first assistants and assist in complex surgical procedures such as open-heart surgery. With additional education, they may become surgical nurses or instructors. Some surgical technologists assume management positions in hospital central supply departments or business firms such as sterile-supply services and operating-room equipment distributors.

The Surgical Technology program includes classroom courses in liberal arts, basic sciences, and surgical technology, along with clinical laboratory and supervised clinical experiences in community hospital operating rooms. Students may enroll in Liberal Arts and Science courses prior to admission in the Surgical Technology program. Students admitted into the Surgical Technology program must take surgical technology courses in sequence. Students must be able to complete and successfully pass Competency Based Objectives embedded within Surgical Technology courses in order to continue with the program. In order to continue in the program all students must achieve a minimum of "C" in all major theory and science courses (Surgical Technology, Human Anatomy and Physiology I & II, and Microbiology) and a "Pass" in all clinical courses. Surgical Technology students must be CPR certified by the time of their first clinical practicum and maintain certification throughout their senior year. Transportation to and from the practicum site is the responsibility of the student. Hospital regulations may restrict candidates from attending clinical practice who have been involved in civil or criminal legal proceedings. Questions may be directed to the student's assigned clinical site.

Admission Criteria

Because of increased interest in the program, completion of the application process by April 1st is encouraged. Applications after April 1st will be accepted until the program is filled.

Admissions Requirements:

1. Complete an application to the program.
2. Provide an official copy of high school transcripts or GED.
3. Provide two professional references on the forms provided by The College.
4. Provide proof of completion of high school biology, algebra, and chemistry or equivalent with a grade of "C" or greater or proof of registration in a course with a projected completion date of June 30 of the current year. Computer background strongly recommended.
5. Complete a personal interview with the program director.
6. Place into college level Math, Reading and Writing or

demonstrate equivalent competencies through a college transcript or SAT scores.

7. Upon acceptance, applicants must participate in an operating room tour at a hospital affiliated with the program. This experience will be under the supervision of the program director or designee and will occur prior to the start of the fall semester. Specific dates will be provided to each student.
8. Upon acceptance, applicants must submit a report of a current physical examination including all program required health screenings and immunizations.
9. Prior to clinical rotation, applicants must:
 - › Possess and maintain professional liability insurance (available at The College).
 - › Certify in American Heart Association CPR Healthcare Provider or Red Cross equivalent.
 - › Have a baseline eye exam before first clinical practicum and after last clinical practicum if they have worked with lasers.
10. Possess/maintain health/accident insurance.
11. Have a Level I criminal background check and drug screen.

Program Suspension Information

Students matriculated in the Surgical Technology Program who withdraw or do not achieve the minimum grade of C in all major theory, science and clinical courses are not able to continue in the program. Students who do not achieve the pre-requisite grades to progress to the upper level class sequences are not able to continue in the program. Students who have not achieved the minimum grade of C in all first year theory and science courses are not eligible for SURG123 Orientation to Surgical Clinical. They may be eligible for readmission consideration.

Surgical Technology Readmission Policy

A student may be readmitted to the program one time only. Students who have failed a course because of lack of professionalism or unsafe practice involving actions or non-actions are not eligible for readmission to the Surgical Technology Program. Readmissions are contingent upon space availability. The student applying for readmission will be required to meet the curriculum requirements in effect at the time of readmission. In order to be reconsidered for admission, the student must submit a written, dated letter requesting readmission consideration to the Chair of the Department of Surgical Technology.

Individuals requesting readmission must briefly outline the reasons they were unable to continue in the program and identify the surgical technology course to which they are requesting readmission. Students who have requested readmission consideration will be ranked according to their surgical technology course average as space availability is determined. Students will then be readmitted based on their ranking order. Students will then be notified of the status of the request in writing by the admissions department.

Advanced Placement:

In addition to the general admission criteria, students seeking advanced placement must have completed and passed with a C grade or better all prerequisite coursework by examination, challenge or transfer credit. Students applying to the Surgical Technology Program will be required to have a personal interview with the program director.

Program Outcomes

Upon program completion, the graduate will be able to:

- ▶ Correlate the knowledge of anatomy, physiology, pathophysiology, and microbiology to their role as a Surgical Technologist.
- ▶ Demonstrate a safe level of practice and knowledge in their role as a Surgical Technologist.
- ▶ Acquire an understanding of the ethical, legal, moral, and medical values related to the patient and the Operating Room team during the perioperative experience.
- ▶ Correlate the elements, action, and use of medications and anesthetic agents used during the perioperative experience.
- ▶ Demonstrate safe practice techniques in regards to perioperative routines, patient transportation, positioning, and emergency procedures.
- ▶ Demonstrate and integrate principles of surgical asepsis as part of the perioperative experience.
- ▶ Apply knowledge and skills as a professional Surgical Technologist to address the biopsychosocial needs of the surgical patient.
- ▶ Perform as a competent entry-level surgical technologist in the cognitive, psychomotor, and affective learning domains.
- ▶ Value the professional attributes of the Surgical Technologist.

Technical Standards

Successful surgical technologists are emotionally and psychologically secure in themselves. They are sensitive to the needs of the patient and other team members, are able to set priorities, and perform in emergency situations in a quick, accurate detail-oriented manner. They are flexible and possess manual dexterity and physical stamina. The program is physically and mentally strenuous and requires some heavy lifting. Individuals who cannot meet the professional, mental and physical demands may have difficulty meeting course objectives and the requirements of the field.

Students accepted for advanced placement into the senior year are required to complete a minimum of 25% of the program requirements through Great Bay Community College. At least half of these courses must be surgical technology. All students seeking advanced placement are subject to the same admission and program requirements.

Surgical Technology Transfer Credit Policy

In addition to Great Bay Community College transfer credit policies, transfer courses in Human Anatomy and Physiology I, Human Anatomy and Physiology II and Microbiology cannot be more than five years old at the time of acceptance.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
SURG114	Introduction to Surgical Technology Fundamentals	6	3	7
SURG115	Basic Instruments, Supplies and Equipment	0	3	1
AH110	Medical Terminology	3	0	3
BIOL110	Human Anatomy & Physiology I	3	3	4
MATH145	Topics in Applied College Mathematics	4	0	4
<i>Total</i>		16	9	19

Spring Semester		TH	LAB	CR
SURG116	Advanced Instruments, Supplies and Equipment	0	3	1
SURG120	Surgical Procedures I	3	3	4
BIOL120	Human Anatomy & Physiology II	3	3	4
ENGL110	College Composition	4	0	4
PSYC110	Introduction to Psychology	3	0	3
<i>Total</i>		13	9	16

Summer Semester		TH	LAB	CR
SURG123	Orientation to Surgical Clinical	0	40	2
<i>Total</i>		0	40	2

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
SURG210	Surgical Procedures II	3	0	3
SURG215	Surgical Clinical I	0	24	8
BIOL210	Microbiology	3	3	4
<i>Total</i>		6	27	15

Spring Semester		TH	LAB	CR
SURG224	Surgical Procedures III/Special Considerations	4	0	4
SURG225	Surgical Clinical II	0	24	8
	English Elective	3	0	3
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		10	24	18

TOTAL CREDITS - 70

Course expectations include computer work. Students unfamiliar with computers are encouraged to take the Accuplacer Assessment in Computer Literacy or take Introduction to Computers (CIS110) before entering the program.



TECHNICAL STUDIES

ASSOCIATE IN SCIENCE

The Technical Studies program is designed to support the diverse needs of our community and provide pathways for skilled workers to move to an Associate Degree level by offering credit for the recognized technical specialties. The program allows students to build on the success of their technical expertise by choosing technical electives that complement their Technical Specialty. These will be chosen in consultation with a program advisor. The Technical Studies Degree is intended to be an individualized program of study in an area other than the current degree programs of The College. Students from recognized apprenticeship programs or students with a certificate in a technical field from this college or another college (in an area that we do not offer an Associate Degree) may complete an associate's degree. Students with industry training and certification equivalent in hours to 24 credits and documented by certification exams may be granted credit for the Technical Specialty core. Credit will be awarded through The College's Credit for Prior Learning-Experiential Learning process. Fees apply.

Admissions Criteria

1. Applicants must secure the approval of the Vice President of Academic Affairs for their intended course of study within the Technical Studies Program.
2. Complete a paper application indicating Technical Studies as choice of major.
3. Provide official copies of all high school, GED, and college transcripts.

Program Outcomes

Students in the Technical Studies Program will:

- › Build on applied expertise through selected coursework, gaining knowledge and skills in a specific discipline or clearly articulated interdisciplinary areas.
- › Attain proficiency in the concepts, theories, and methods of inquiry pertinent to the courses chosen as Related Technical Electives.
- › Integrate knowledge of their technical specialty fields with new knowledge from their chosen Related Technical Electives.
- › Advance in the development of skills necessary to interpret facts, solve problems, evaluate issues, develop multiple perspectives, and think critically and creatively.

Technical Standards

The Technical Standards of the Related Technical Electives and Open Electives chosen apply. See individual degree programs associated with chosen coursework.

Transfer Credit Policy

In addition to Great Bay transfer credit policies, transfer of courses into the Technical Studies Program will be evaluated by the applicable department or program and according to each department's currency requirements.

Degree Program

Technical Specialty Core 20-24 Credits

In addition to Experiential Credit evaluated and awarded through a portfolio, Experiential Credit is also awarded for Completed/ Industry Training/Certification; US Department of Labor Registered Apprenticeships; CCSNH Certificate programs which are not in an area that we offer an Associate Degree. Documented by Certification exams, certificates that show number of hours completed and grades, Apprenticeship Transcripts).

Related Technical Elective Courses 12-16 Credits

Students will choose courses that complement their technical specialty and career pathway. Course selections must follow program prerequisite requirements. Students will take 12-16 credits depending on how many credits are awarded for their Technical Core.

Open Elective 3 Credits

GENERAL EDUCATION REQUIREMENTS		Credits
ENGL110	College Composition I	3-4
ENGL210 or ENGL215	Communications or Writing Technical Documents	3
	Lab Science Elective	4
	Foreign Language/Humanities/Fine Arts Elective	3
	Social Science Elective	3
	Math Elective	3-4
	Liberal Arts Electives	6
		Total 27
		TOTAL CREDITS - 66



VETERINARY TECHNOLOGY

ASSOCIATE IN SCIENCE

As the field of veterinary medicine becomes increasingly complex, there is a growing need for skilled, educated paraprofessionals who can perform a variety of duties. Veterinary technicians work as a team with veterinarians providing medical, surgical, and laboratory procedures. They offer comprehensive support to clients in office procedures as well as general healthcare to the animal patient. The Veterinary Technology program is accredited by the American Veterinary Medical Association (AVMA). The program provides education in the basic sciences and liberal arts as well as in veterinary technology.

Hands-on experience is obtained during clinical affiliations at local animal hospitals. Transportation to and from the clinical site is the responsibility of the student. Clinical Affiliation experiences may vary in time and in locations including days, evenings, and/or weekends. Veterinary courses including Veterinary Anatomy and Physiology I and II must be successfully completed with a minimum grade of C- before enrollment in Clinical Affiliations and the following semesters.

The goal of the program is to provide our students with a comprehensive academic foundation emphasizing technical skills, integrity, and professionalism. The program may be completed on a full-time or part-time basis. All veterinary technology courses must be completed within four years of the date of entry to the program. Students admitted to or re-entering the program must meet current requirements necessary for graduation.

Successful completion of this degree program provides students the opportunity to seek employment in the veterinary hospitals and other related fields. They are also eligible to take the Veterinary Technician National Exam to become certified or licensed. Graduates may find jobs in veterinary hospitals, medical laboratories, pet-related industries, zoos, research facilities, and the pharmaceutical industry.

Program Outcomes:

Based on curriculum standards set by the American Veterinary Medical Association, the program partners with New Hampshire veterinary facilities to create skilled medical professionals qualified for employment in many areas of the veterinary healthcare field.

Technical Standards

The program is physically strenuous requiring lifting small animals and working with large animals. Sufficient manual dexterity and vision is necessary to perform clinical and microscopic procedures. Students will be expected to establish priorities, function effectively in emergency situations, comply with safety regulations, and communicate in a professional manner during clinical affiliations. Individuals who cannot meet these standards may have difficulty satisfying course objectives and becoming successful as a Veterinary Technician.

Admissions Criteria

A review of all completed admissions files will begin in April. Veterinary Technology program applications must be completed by April 1st to be considered for acceptance in the fall class. If the class is not filled with qualified applicants by that deadline, we will accept completed applications until July 1st. After that point, the program will be closed.

Admissions requirements:

1. Complete an application to the program
2. Provide an official copy of high school transcripts or GED
3. Provide two professional references on the forms provided by The College.
4. Provide proof of completion of high school biology, algebra, and chemistry or equivalent with a grade of "C" or greater or evidence of current enrollment. High School Algebra II is recommended.
5. Place into college level Math, Reading and Writing or demonstrate equivalent competencies through a college transcript or SAT scores.
6. After successful completion of placement into college level Math, Reading, and Writing, complete a personal interview with the program director.
7. Possess/maintain health/accident insurance.

Clinical Requirements:

Prior to the first clinical affiliation, students must:

1. Possess and maintain professional liability insurance (available at The College).
2. Must have documentation showing current rabies, tetanus, hepatitis B, mumps and rubella vaccinations.
3. Must provide proof of a negative TB skin test.
4. Purchase a radiology dosimeter badge (available at The College).

Veterinary Technology Readmission Policy

Students matriculated in the Veterinary Technology program who withdraw or do not achieve the minimum grade in the Veterinary Technology or Veterinary Anatomy and Physiology I and II courses will be allowed to retake the course/s one time only. Students who have failed a Veterinary Technology course because of unsafe practice involving actions or non-actions are dismissed and not eligible for readmission to the Veterinary Technology Program.

Advanced Placement:

Admission to the program for students transferring from another AVMA accredited Veterinary Technology program will be determined by the program director based upon courses that have been successfully completed and space availability. All students seeking advanced placement are subject to the same admission and program requirements.

Transfer Credit Policy

In addition to Great Bay Community College transfer credit policies, there is a ten year limitation on accepting the course equivalencies of all VETN courses, BIOL 111 and BIOL 121. Exceptions made be made by the department chairperson.

DEGREE PROGRAM - FIRST YEAR

Fall Semester		TH	LAB	CR
VETN110	Introduction to Veterinary Technology	3	0	3
VETN112	Computer Application in Vet Med	1	0	1
BIOL111	Veterinary Anatomy & Physiology I	3	3	4
ENGL110	College Composition I	4	0	4
MATH145	Topics in Applied College Mathematics	4	0	4
<i>Total</i>		15	3	16

Spring Semester		TH	LAB	CR
VETN121	Veterinary Clinical Methods I	3	3	4
BIOL121	Veterinary Anatomy & Physiology II	3	3	4
VETN114	Veterinary Pharmacology	2	0	2
*CHEM110	Introduction to Chemistry	3	3	4
ENGL210	Communications	3	0	3
<i>Total</i>		14	9	17

Summer Semester		TH	LAB	CR
VETN130	Veterinary Clinical Affiliation I	0	24	4
<i>Total</i>		0	24	4

DEGREE PROGRAM - SECOND YEAR

Fall Semester		TH	LAB	CR
VETN210	Veterinary Clinical Methods II	2	3	3
VETN212	Laboratory Animal Science	2	2	3
VETN215	Large Animal Management	2	2	3
VETN220	Veterinary Clinical Pathology I	2	3	3
PSYC110	Introduction to Psychology	3	0	3
<i>Total</i>		11	10	15

Spring Semester		TH	LAB	CR
VETN221	Veterinary Clinical Pathology II	2	3	3
VETN224	Veterinary Diagnostic Imaging	1	2	2
VETN222	Veterinary Clinical Affiliation II	0	18	6
	Foreign Language/Humanities/Fine Arts Elective	3	0	3
<i>Total</i>		6	23	14

TOTAL CREDITS - 66

**Students planning on transfer to a four-year college may substitute CHEM115*

Curriculum Recommendations

Students should take the general education courses as they appear in the recommended sequence above. If a student fails to complete a first-year general education course, they are encouraged to take it over the summer between first and second year along with their Clinical Affiliation I. The student may not take the accrediting exam (VTNE) until all courses are complete and the student has graduated.

VETERINARY PRACTICE MANAGEMENT

CERTIFICATE

There is a need for educated managers in the veterinary profession. Veterinarians want to practice their medical skills, leaving the small business and management tasks to someone they can trust. This certificate program prepares a student to work as a Veterinary Practice Manager, Office Manager, Hospital Manager or Head Technician within the veterinary office. As well as business, management and accounting courses, the program offers veterinary medical terminology and law.

Graduates of the Veterinary Technology program or who are currently in the program may take these courses to add to their training. Working technicians or individuals who are employed in an office setting can improve their potential with this certificate.

The program prepares the student for certification through the Veterinary Practice Manager's Association (VPMA). To become a Certified Veterinary Practice Manager (CVPM), one has to have been active as a practice manager for 3 of the last 7 years, have a minimum of 18 credits of management related courses, and complete 48 hours of continuing education to be able to sit for the practice manager's exam.

Admissions Criteria

1. Complete an application to the program
2. Provide an official copy of high school transcripts or GED
3. Provide two professional references on the forms provided by The College.
4. Place into college level Math, Reading and Writing or demonstrate equivalent competencies through a college transcript or SAT scores.
5. Show documented work experience (ex: a letter from the applicant's supervisor or pay stubs) of at least 2 years in one of the following: veterinary clinic, animal care business, or medical or business office, or acceptance into the Veterinary Technology Program. Graduation or enrollment in another AVMA accredited Veterinary Technology program will fulfill the requirement for work experience or acceptance into the GBCC Veterinary Technology program, as listed under Admissions Criteria.

Program Outcomes

Graduates from the Veterinary Practice Management Certificate will:

- Perform human resource functions such as staffing, scheduling, employee management.
- Prepare financial statements and other business monitoring analyses.
- Prepare marketing strategies for a veterinary practice.
- Comply with veterinary and medical laws and regulations such as rabies compliance, controlled substance compliance, and veterinary practice act compliance.
- Review and utilize simple business contracts.
- Perform operational functions in a veterinary business such as inventory, ordering, scheduling, and client communications.
- Utilize veterinary practice software to perform these tasks.

Technical Standards

The successful Veterinary Manager will be emotionally and psychologically stable. As well, graduates will be expected to establish priorities, be detail oriented, function effectively in emergency situations, and communicate in a professional manner.

Transfer Credit Policy

In addition to Great Bay Community College transfer credit policies, transfer of courses in Veterinary Practice Management more than ten years old will be evaluated by the program coordinator on an individual basis.

CERTIFICATE PROGRAM

		TH	LAB	CR
ACCT113	Accounting and Financial Reporting I	3	0	3
BUS114	Management	3	0	3
BUS224	Human Resource Management	3	0	3
MKTG125	Principles of Marketing	3	0	3
VETN110	Introduction to Veterinary Technology	3	0	3
VETN112	Computer Applications in Vet Med	1	0	1
VETN225	VETN225 Veterinary Business Law	3	0	3

TOTAL CREDITS - 19



Course Descriptions

All credit and noncredit courses at Great Bay are assigned a course number. Course numbers begin with a letter code designating the course's academic area. The following course descriptions are arranged alphabetically by academic code, beginning with "ACCT" (Accounting) and ending with "VETN" (Veterinary).

Courses with numbers between "0 - 99" are considered developmental and any credit awarded cannot be used toward graduation requirements, but are included in Cumulative Grade Point Average (CGPA). Courses with numbers between "100 - 199" are considered beginning-level courses and courses with numbers between "200 - 299" are considered upper-level courses.

Prerequisites and Co-requisites for courses are identified after each description and may be waived only by the department chair/program coordinator. A Prerequisite Waiver Form must be completed prior to registration. These forms can be obtained at College Services One Stop.

Prerequisite: A course that needs to be taken prior to registering for a designated course.

Co-requisite: A course that needs to be taken prior to or simultaneously with a designated course.

Please see page 46 for more information on the assignment of credits.

ACCT113 Accounting and Financial Reporting I

3-0-3

This course is an introduction to accounting as the language of business and the purpose of accounting in business. Students will develop an understanding of the concepts and use of the classification of assets, liabilities, equity, revenue and expense accounts. The student will be introduced to accounting procedures necessary to prepare financial statements utilizing current concepts and accounting principles. This includes journalizing transactions, preparation of a trial balance, accounting adjustments, closing journal entries, inventory, accounts receivable, accounts payable, special journals, payroll, cash receipts, disbursements, and banking procedures.

ACCT123 Accounting and Financial Reporting II

3-0-3

This course consists of a more in-depth study of accounting procedures and concepts. An emphasis is placed on accounts from the balance sheet such as accounts and notes receivable; plant, property and equipment; and current and long-term liabilities. This course will also involve comparing and contrasting sole proprietorships, partnerships and corporations, as well as capital stock and stock transactions. The student will learn to use financial ratios to measure financial strength, profitability and liquidity. Prerequisite: ACCT113.

ACCT213 Cost Accounting I

3-0-3

Cost Accounting is concerned with how accounting data is used within an organization. Managers need information to carry out three essential functions in an organization: (1) planning operations, (2) controlling activities, and (3) making decisions. The student will study what kind of information is needed, where this information can be obtained, and how this information can be used in planning, controlling and decision-making responsibilities. Budgeting, standard cost, cost of goods sold, job order and process costing, cost-volume-profit formulas and equivalent topics are examined. Prerequisite: ACCT123.

ACCT215 Cost Accounting II

3-0-3

This course is designed as a continuation of the concepts covered in ACCT213 where the student was introduced to the recording, classification and reporting of costs management use to plan, control, and make decisions. The student will build on this foundation with a more in-depth analysis and reporting of costs. This analysis and reporting will include performance measures, financial statement analysis, capital budgeting and service department costing methods, as well as a further detailed analysis of activity-based costing and process costing. Prerequisite: ACCT213.

ACCT216 Software Systems Applications

2-2-3

This course offers an introduction to an integrated accounting software package. It includes an evaluation of common software characteristics and features, and the review of internal controls for computerized accounting systems. The student will become proficient in processing transactions in a computerized accounting environment using a popular software package. Modules introduced are general ledger, financial statement preparation, accounts receivable, accounts payable, payroll, inventory, time and billing, fixed assets and depreciation, cost control, budgeting, and reporting. Prerequisites: ACCT123 and CIS110.

ACCT223 Intermediate Accounting I

3-0-3

An extension of topics covered in Accounting and Financial Reporting I and II. Further emphasis is placed on the study and application of generally accepted accounting principles. The student will encounter an in-depth study of accounting concepts, balance sheet, income statement, and retained earnings. Included are detailed applications of accounting theory with the preparation and analysis of the financial statements. The student will also cover an in-depth analysis of cash, receivables, inventory valuation, property, plant and equipment, asset purchase and disposal, depreciation, and time value of money. Prerequisite: ACCT123.

ACCT233 Intermediate Accounting II

3-0-3

Intermediate Accounting II is a continuation of the intensive examination begun in Intermediate Accounting I. It provides a closer look at investments, leases, statement of cash flows, bonds, stock, income taxes, intangible assets, current and long-term liabilities, earnings per share, and stockholders' equity. Guidelines of revenue recognition are discussed and an evaluation of accounting changes and error analysis. Prerequisite: ACCT223.

ACCT243 Federal Income Taxes-Individual**3-0-3**

A detailed presentation of Federal Income Tax Laws focusing on Internal Revenue Service procedures and court rulings as related to the tax preparation of individual taxpayers and sole proprietorships. Applicable tax forms are prepared in conjunction with rules and regulations. Prerequisite: ACCT123.

ACCT244 Federal Income Taxes-Corporations, Partnerships, Estates/Trusts**4-0-4**

The student will be exposed to a detailed presentation of the theories and practice of Federal Income Tax Laws for Corporations, Partnerships, Estates and Trusts. Applicable tax forms will be studied in conjunction with rules and regulations. Prerequisite: ACCT123.

AH110 Medical Terminology**3-0-3**

This course is designed to provide the student with the ability to communicate in a professional, effective manner in a variety of healthcare settings. Through a realistic approach, the student will learn the basic rules for building and defining medical terms, the correct pronunciation and spelling of medical terms, and the application of medical terminology as it relates to each body system. The student is introduced to various types of medical records and reports encountered in the healthcare setting and provided with the necessary skills to read and interpret these reports. A variety of activities will guide the student in the application of medical terminology as it relates to the clinical world.

AH112 Pathophysiology for Allied Health**3-2-4**

Pathophysiology is the branch of medicine which deals with any disturbances of body functions, caused by disease or the onset of symptoms. This is a one semester course that introduces the structure and function of the human body to the Allied Health student. It includes the anatomy and physiology of each of the organ systems of the human body and practical discussion of disease and health. Students will discuss and identify diseased tissue, the various mechanisms by which human disease develops, and the common disorders involving each of the major body systems.

AMER110 Introduction to American Studies**3-0-3**

This course is designed to introduce students to the topics, materials and methods attendant to an interdisciplinary study of American culture, identity, and experience. Students will develop their critical, writing, and reading skills through a focused inquiry into particular American moments, places, and ideas, and in doing so, begin to address some of the large questions around which American Studies are centered. (Fulfills Humanities requirement.)

AMER210 American Studies Seminar**3-0-3**

This seminar is designed to provide a collaborative praxis in which, as a class, students formulate and develop interdisciplinary American Studies research topic/problem. Using the class work as a model, students will then personalize an individual interdisciplinary American Studies research topic/problem and complete that project with peer and advisor support. Though final demonstration of the projects may vary, the project requirements will include: a topic centered on a particular defining moment, idea, or element of American culture; research; critical thinking; communications skills; and the use of at least two methodologies.

AN101 Introduction to Anthropology**3-0-3**

This course is designed to be an introductory college course in anthropology. The student will primarily be introduced to cultural anthropology, its key concepts, terminology, theories, and research, with some introduction to physical anthropology and linguistics. The course is designed to nurture students to develop a broader scope of understanding and respect for human variation. (Fulfills Social Science requirement.)

ARTS103 Fundamentals of Acting**1-4-3**

This course will introduce students to the fundamentals of the creative process of acting. It will focus on developing and training the actor's instrument. Through structured exercises and performance projects, the student will develop skills in relaxation and concentration, voice and movement, and script analysis. Students will also acquire basic theatre terminology, sharpen their observation skills, and gain an understanding of the rehearsal process. The course will culminate in the final presentation of a scene from a contemporary play.

ARTS123 Drawing I**2-3-3**

Various drawing media and techniques are explored in this course. Assignments are designed to build drawing observation skills necessary for visual communications. (Fulfills Fine Arts requirement.)

ARTS124 Art, Design, and Color**2-3-3**

Through the hands-on exploration of traditional media, this course focuses on the principles of design and color theory as they are applied to 2D and 3D projects. The art elements of line, shape, form, space, and texture, as well as the design principles of balance, proportion, perspective, contrast, focal point, white space, unity, and color theory will be demonstrated in the layout of real-world graphic communication projects. Students will experience the design process from brainstorming to presentation, as they develop an understanding of the challenges inherent in integrating exemplary design through visual media.

ARTS126 Typography**2-3-3**

This course will emphasize the design of projects that explore typographical structures, their characteristics, terminology, layout considerations, and the use of typography as a communication medium. This course uses both computer and hands-on methods to address the language of type and its effective use as a design element. By studying the language of type through its history and application, students will gain strong working knowledge of this essential element to graphic design.

ARTS223 Drawing II**2-3-3**

Students will continue developing drawing skills based on the knowledge and training acquired in Drawing I. More complex still-life, portrait, and life figure drawing will be created in classes. Further investigation of drawing materials and an introduction to more mediums will also be covered in this course. Prerequisite: ARTS123. (Fulfills Fine Arts requirement.)

ASL110 American Sign Language I**3-0-3**

This is an introductory course that provides non-native signers with the opportunity to study American Sign Language. Emphasis will be on the development of visual receptive and expressive skills necessary for effective communication with deaf and hard-of-hearing individuals. Through a variety of classroom experiences, students will learn to recognize and produce both manual and non-manual behaviors that reflect an understanding of the language's grammatical, semantic, spatial, and cultural frameworks. (Fulfills Foreign Language requirement.)

ASL120 American Sign Language II**3-0-3**

Builds on the skills developed in American Sign Language I. Participants will be introduced to more advanced vocabulary and grammatical features inherent in the language of ASL. Emphasis is on conversational fluency. Students will also explore the historical and cultural evolution of ASL through a variety of learning mediums. Prerequisite: ASL110. (Fulfills Foreign Language requirement.)

BIOL041 Developmental Biology**3-0-3**

This course will cover the main points of biology at the high school level. It is meant to replace or supplement a student's background in biology if those students either never passed high school biology, or if they took the course so long ago as to be unprepared for further study of the life sciences. The course will give an overview of cell biology, the biology of organisms, and the biology of populations. These credits do not count toward graduation requirements.

BIOL106 Human Body**3-2-4**

This is a one-semester course that introduces the structure and function of the human body. It includes the anatomy and physiology of each of the organ systems of the human body and practical discussions of disease and health. The course includes a series of laboratory experiences designed to enhance and reinforce the concepts presented in lecture.

BIOL108 General Biology I**3-3-4**

This college-level course covers the principles of cell biology, including cellular physiology, cellular metabolism, molecular biology, biochemistry and genetics. Laboratory exercises are designed to reinforce theoretical concepts presented in the lecture portion of the course. Prerequisite: Successful completion of high school biology or BIOL041; successful completion of high school chemistry or CHEM043 is recommended but not required.

BIOL109 General Biology II**3-3-4**

This college-level course covers principles of organismal biology, including comparative physiology, taxonomy, behavior, evolution and ecology. Laboratory exercises are designed to reinforce theoretical concepts presented in the lecture portion of the course. Students need not have taken Biology I in order to enroll in Biology II. Prerequisite: Successful completion of high school biology or BIOL041; successful completion of high school chemistry or CHEM043 is recommended but not required

BIOL110 Human Anatomy and Physiology I**3-3-4**

This course is designed to give a student of any health or medical science a thorough background in anatomy and physiology. Current in-depth information is presented on the structure and function of human cells, tissues, and organ systems including the skin, skeletal, muscular, nervous and sensory systems. Laboratory work augments lecture topics and includes exercises in microscopy, the study of fresh and preserved specimens, and exercises in human physiology. Prerequisite: Placement into MATH145; placement into college-level reading; C or better in high school biology or BIOL041; successful completion of high school chemistry or CHEM043 is recommended.

BIOL111 Veterinary Anatomy and Physiology I**3-3-4**

This course offers an in-depth study of the normal anatomy and physiology of domestic mammals with emphasis on the dog and cat. Major differences with respect to the larger domestic species are also covered. This is the first semester of a two semester course and covers basic organization, cells, tissues, the integument, skeletal, muscular, and nervous systems. Lab work augments lecture topics and includes the study of microscope slides as well as preserved specimens and models. Prerequisite: Admission to the Veterinary Technology program.

BIOL120 Human Anatomy and Physiology II**3-3-4**

A continuation of Human Anatomy and Physiology I. This course includes current in-depth information of the structure and function of the endocrine, digestive, respiratory, blood, cardiovascular, lymphatic, urinary, and reproductive systems. Laboratory work augments lecture topics and includes exercises in microscopy, the study of fresh and preserved specimens, and physiological measurements on the human body. Prerequisite: C or better in BIOL110.

BIOL121 Veterinary A&P II**3-3-4**

This course offers an in-depth study of the normal anatomy and physiology of domestic mammals with emphasis on the dog and cat. Major differences with respect to the larger domestic species are also covered. This course is a continuation of BIOL111 and covers the endocrine, reproductive, cardiovascular, respiratory, urinary, and digestive systems. Lab work augments lecture topics and includes the study of microscope slides as well as preserved specimens and models. Prerequisite: BIOL111.

BIOL150 Nutrition**3-2-4**

Biology 150 (Nutrition) is a course designed to offer students an understanding of the science of nutrition so that they can make healthy food choices in their daily lives. The processes of digestion, absorption, and transport of the macro- and micronutrients in the body will be studied. The function and sources of the major nutrients including carbohydrates, lipids, protein, vitamins, minerals and water will be analyzed. Also, the following will be discussed: energy balance, nutrition throughout the life cycle, sports nutrition, environmental food issues, hunger, food safety, and nutrition therapy for medical problems including cardiovascular disease, cancer and diabetes. Each week selected activities, worksheets, and assignments will be completed. These are designed to engage and encourage students to apply what they are learning in lecture, in practical and personal contexts. Students will have the opportunity to work in formal Cooperative Learning Groups to complete the assignment in lab. The intent of group activity is to foster the learning of each member of the group from other members. The class will also engage in discussion on weekly topics.

BIOL160 Introduction to Environmental Science**3-3-4**

This course is designed to present the basics of environmental science and will focus on the earth as a living planet. Topics covered include: principles of ecology, human population effects, natural resource needs and management, energy resources, pollution/prevention issues, and sustainability. Although primarily a science course, ethical issues related to the above topics will also be explored. Lab exercises are designed to reinforce the material presented in the lecture.

BIOL210 Microbiology: Principles and Practices**3-3-4**

This course provides an introduction to the principles and practices of microbiology. Topics covered include: the nature and behavior of microorganisms; principles of growth and reproduction of microorganisms; identification of microorganisms using staining, pure culture, biochemical and antigenic techniques; and the epidemiology, clinical features, laboratory diagnosis, and appropriate control measures for microbial diseases caused by viruses, bacteria, fungi, protozoa and helminthes. Students are required to have protective eyewear (available in the bookstore) and lab coats for the first lab session. Pre-requisite: C or better in high school biology or C or better in BIOL 041.

BIOL 220 Principles of Genetics**3-3-4**

This course covers fundamentals of classical, molecular and population genetics. Topics include: chemical structure of the genetic material, Mendelian theory, gene recombination, chromosome mapping, genetic mutation, gene expression and regulation, applications of recombinant DNA technology, quantitative inheritance and the genetic basis of evolution. Laboratory exercises are designed to reinforce theoretical concepts presented in the lecture portion of the course. Prerequisites: BIOL108 and C- or better in MATH145 (or higher level math class).

BIOL230 General Ecology**3-3-4**

This course is for students who have already had some introduction to organismal biology. It focuses on physical and biological factors affecting distribution, abundance, and adaptation of living organisms. Laboratory exercises emphasize fieldwork when possible, and are designed to reinforce the theoretical material presented in lecture. Pre-requisites: Successful completion of BIOL 109, and C- or better in MATH 150 (or higher level MATH course).

BTEC105 Introduction to Biotechnology**3-3-4**

This course is designed to introduce students to the tools and applications of genetic engineering, as well as the ethical issues that these technologies raise. No prior experience is assumed. Students will acquire basic laboratory skills in such areas as solution preparation, but will also have a chance to experiment with techniques such as DNA isolation, gene manipulation, and molecular cloning. Students will also gain an understanding of how the biotechnology industry operates, and will learn about options for careers and further education in biotechnology. Pre-requisites: Successful completion of high school biology or BIOL 041 and C or better in Math 090 or equivalent.

BTEC205 Bioethics**3-0-3**

Biotechnology is any technique that uses living organisms (or parts of organisms) to make or modify products to improve plants and animals or to develop microorganisms for specific uses. This course will address the sociological, ethical, and legal issues arising from biotechnology. This new field is known as bioethics. During the first four weeks of the course, students will develop a tool kit based on sociological, ethical, and legal thought. During the remainder of the course, students will read bioethical cases, analyze them as to their social, ethical, and legal implications, and argue their opinions as they apply these tools to answer bioethical questions.

BTEC210 Biotechnology Experience I: Discovery Research**2-6-4**

The first of two experiential, cornerstone courses in Biotechnology. The course begins by introducing the student to the field of biotechnology, the role of the technician in biotechnology, and GLP or good laboratory practices. The remainder of the course is a hands-on exposure to biotechnology research tools and protocols used for DNA isolation, gene mapping, DNA fingerprinting, gene cloning, gene expression regulation, protein identification, mRNA isolation, cDNA synthesis from mRNA, the production of gene libraries, and gene sequencing. A two-hour-per-week lecture provides the knowledge base for biotechnology discovery research. Prerequisite: Successful completion of BTEC 105, BIOL 108 (or BIOL 210), CHEM 115 (or CHEM 110) and MATH 145 (or higher level MATH course). Exceptions by permission of department chair only.

BTEC220 Biotechnology Experience II: Biomanufacturing**2-6-4**

The second of two experiential, cornerstone courses in Biotechnology. The course begins by introducing the student to the proteins and companies of biotechnology and to cGMP or current good manufacturing practices. In the remainder of the course students use bacteria, mammalian, and yeast cells to produce human proteins using tools and manufacturing standard operating procedures of biotechnology, including upstream and downstream processing of proteins and quality control of protein production. A two-hour-per-week lecture provides the knowledge base of biotechnology manufacturing. Prerequisite: C- or better in BTEC 210. Exceptions by permission of department chair only.

BTEC223 Biotechnology Externship**0-9-3**

This optional externship, consisting of 144 hours of experience in an area of biotechnology, is extended to students who want more exposure to biotechnology before seeking employment. Arrangements are made on an individual basis. Prerequisites: BTEC210, BTEC220.

BUS110 Introduction to Business**3-0-3**

This is an introductory course designed to provide students with a basic understanding of the structures and operations of business and an awareness of social and ethical responsibility as it relates to the environment, consumers, employees, and investors. An appreciation of the global economy will also be explored.

BUS114 Management**3-0-3**

The principles and techniques underlying the successful organization and management of business activities. This course combines the traditional analysis of management principles with the behavior approach. The management functions of planning, organizing, leadership, staffing, decision-making, communicating, motivating and controlling will be stressed. Additionally, the impact of technology on management functions and implementation processes, especially, information technology, will be examined.

BUS116 Organizational Behavior**3-0-3**

This course develops basic understanding of organizational behavior. The human relations approach is stressed. It includes management philosophy; the organizational climate; motivation, leadership and management; supervision; communication, group participation and other forces in the work environment. Students learn techniques for becoming more effective managers, subordinates, peers or people. Prerequisite: BUS114.

BUS155 Retailing Management**3-0-3**

This course studies the principles of retailing with emphasis on the development of retail institutions, merchandising, pricing, and contemporary problems of retailers in today's business environment. Prerequisite or Corequisite: MKTG125.

BUS200 Teambuilding**3-0-3**

This course will introduce and expand upon the basic principles and concepts of team building and self-directed work teams as they pertain to the workplace environment. Through the use of lecture and workshop-type group exercises, the key concepts of how teamwork can influence and benefit the workplace will be explored.

BUS205 Small Business Management**3-0-3**

This course covers key concepts and skills critical to successfully launching, developing and managing a small business. A primary focus will be how to use the concepts Co requisite: BUS114

BUS210 Organizational Communications**3-0-3**

Effective communication is the lifeblood of the organization; it is also the foundation of a successful business career. This course will focus on the methods and techniques necessary to utilize facts and inferences, understand communication strategies, create logical presentations, and develop critical skills in listening, speaking, and writing. Students will also gain an understanding of nonverbal, visual, and mass communication. Prerequisite BUS114

BUS211 Business Law**3-0-3**

Based on student input at the start of the course, the course will encompass some of the common topics in criminal and civil law. Likely areas to be taught and discussed include civil and criminal justice systems, contracts, consumer protection, real and personal property, insurance, employment, and wills.

BUS214 Entrepreneurship**3-0-3**

This course will focus on all aspects of starting a business: selecting promising ideas, initiating new ventures, and obtaining initial financing. The course will also concentrate on how ventures are begun, how venture ideas and other key ingredients for start-ups are derived, and how to evaluate new venture proposals. The course will also explore business plan development, legal and tax considerations. Prerequisites: BUS205 and MKTG125.

BUS220 Operations Management**3-0-3**

Operations Management focuses on the relationship of the production and operations functions of delivering products or services to the achievement of an organization's strategic plan and linking the organization to its customers. Students integrate forecasting, materials management, planning, scheduling, process, operations control skills and techniques with approaches and tools such as Total Quality, Statistical Process Control, Continuous Improvement, Demand Flow and Just- In-Time production systems.

BUS221 Business Finance**3-0-3**

This course is designed to survey the corporate finance discipline, to examine the financial management of corporations, to develop skills necessary for financial decision making, financial forecasting, ratio evaluation, and to acquaint students with money, capital markets, and institutions. Prerequisite: ACCT113 and ACCT123.

BUS224 Human Resource Management**3-0-3**

This course is designed to provide fundamental presentation of the dynamics of human resource management. Emphasis is placed on job design and development, employment training, benefits administration, compensation, and employee relations.

BUS225 Personal Finance**3-0-3**

This course is designed to provide the student with an effective learning experience in personal finance. Emphasis is placed on helping students make sound financial decisions in the areas of budgeting, insurance, taxes, credit investments, real estate, and retirement planning.

BUS231 Self Assessment**1-0-1**

This course, offered as a seminar or in an online structure, is designed to allow students to assess their strengths and weaknesses and to enlighten students on what types of organizational culture is most conducive to personal growth.

BUS261 Project Based Operations Management**3-0-3**

This course is designed to provide the student with a basic understanding of the processes used in project based organizations, and for special project within virtually all organizations. Emphasis is placed on an overview of the project life cycle, and on an introduction to the Project Management Institute's knowledge areas, (Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Project Human Resource Management, Project Communications Management, Project Risk Management, and Project Procurement Management). This course is the first in a four series in preparation for the Certified Associate in Project Management (CAPM) offered through the Project Management Institute. Prerequisite: Permission of the Instructor or Department Chair (Permission "PERMXXX").

BUS262 Initiating and Planning Projects**3-0-3**

This course is designed to provide the student with a detailed understanding of initiation and planning process groups of the project lifecycle as used in project based organizations, and for special project within virtually all organizations. Emphasis is placed on initiation and planning process groups and through them the Project Management Institute's knowledge areas, (Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Project Human Resource Management, Project Communications Management, Project Risk Management, and Project Procurement Management). This course is the second in a four series in preparation for the Certified Associate in Project Management (CAPM) offered through the Project Management Institute. Prerequisite: BUS261

BUS263 Executing, Controlling, and Delivering Projects**3-0-3**

This course is designed to provide the student with a detailed understanding of the executing, controlling, and delivering process groups of the project lifecycle as used in project based organizations, and for special project within virtually all organizations. Emphasis is placed on the executing, controlling, and delivering process groups and through them the Project Management Institute's knowledge areas, (Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Quality Management, Project Human Resource Management, Project Communications Management, Project Risk Management, and Project Procurement Management). This course is the third in a four series in preparation for the Certified Associate in Project Management (CAPM) offered through the Project Management Institute. Prerequisite: BUS262

BUS264 Project Management with Microsoft Project**3-0-3**

This course is designed to provide the student with an understanding the software used to facilitate Project Management, especially Microsoft Project, and, through the application of software, to review the concepts in the PEMBOK Guide. Emphasis is placed on the using the software to control a simulated group project and through the simulation to review the Project Management Institute's Body of Knowledge, (Project Integration Management, Project Scope Management, Project Time Management, Project Cost Management, Project Communications Management, Project Risk Management, and Project Procurement Management). This course is the fourth in a four course series in preparation for the Certified Associate in Project Management (CAPM) examination. Prerequisite: BUS263

BUS282 Capstone Research**3-0-3**

This course will be taught from the viewpoint of the person who conducts market research with a concentration on techniques and processes required to conduct quality research studies. Topics include questionnaire development, sampling techniques, data-collection methods, and survey errors. Application of concepts through primary data coupled with secondary data through a market research project. This course must be taken in the student's final semester. Prerequisite: MKTG125.

BUS291 Internship**0-9-3**

A course designed to provide comprehensive experience in application of knowledge learned in previous coursework. Students will select a site and will work as a supervised intern. This course will be among the last in a student's program.

CHEM043 Developmental Chemistry**3-0-3**

This high-school-level course in chemistry examines 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. These credits do not count toward graduation requirements.

CHEM110 Introduction to Chemistry**3-3-4**

This introductory course covers the fundamental principles of chemistry including measurements; atomic structure; periodic trends; names and formulas of compounds; chemical reactions and bonds; acids, bases and solutions: stoichiometry; gas laws; and radiation chemistry. It is designed for students who have had no instruction or limited instruction in chemistry. The course is for the student whose chemistry requirements will have been fulfilled upon completion of this course. It satisfies the needs of the health sciences and related fields as well as the needs for the student who is preparing for further study in chemistry. Prerequisite: MATH090, MATH 131, or sufficient Placement Scores. This course is not intended to be a prerequisite for CHEM115.

CHEM115 General Chemistry I**3-3-4**

The objective of the chemistry course is to introduce the student to the principles of chemistry included in the first semester of a two-semester chemistry course. The course will include topics such as components of matter, stoichiometry, chemical reactions, gas and kinetic-molecular theory, thermo chemistry, quantum theory and atomic structure, chemical periodicity, chemical bonding, and molecular geometry. Principles taught in lectures will be reinforced in laboratory experiments. Prerequisite: CHEM043/High School Chemistry, AND MATH090, MATH131, or sufficient Placement Scores.

CHEM116 General Chemistry II**3-3-4**

This general chemistry course is designed to introduce the student to the principles of chemistry included in the second semester of a two-semester chemistry course. This course will include topics such as intermolecular forces, properties of solutions, kinetics, chemical equilibrium, acid-base equilibrium, electrochemistry, and thermodynamics. Prerequisites: Completion of MATH150 or sufficient placement scores and successful completion of CHEM115.

CHEM200 Organic Chemistry**3-3-4**

This course will provide an introduction to the properties and reactions of hydrocarbons and their oxygen and nitrogen derivatives. Special emphasis will be placed on the application in biotechnology and related fields. Laboratory experiments will reinforce class lecture where possible. Prerequisite: CHEM115 and CHEM116.

CHEM205 Biochemistry**3-3-4**

This comprehensive, introductory level class emphasizes cellular metabolism, and covers the structure and function of the four major classes of biological macromolecules: proteins, nucleic acids, carbohydrates, and lipids. Laboratory exercises will reinforce theoretical concepts presented in the lecture portion of the course. Prerequisites:BIOL108, CHEM115, CHEM116 and C- or better in MATH145 or higher level math class.

CIS097 Computer Fundamentals**0-2-1**

This course is designed for students with little or no computer skills or for those who are interested in refreshing their computer knowledge. Students will identify the major hardware and software components of a computer, gain proficiency in the Windows operating systems environment and learn how to manage, save, copy and delete file and folders. Students will also gain knowledge in current trends and topics in computer technology and will learn the terms and skills needed in today's computer literate society. This course may not be applied to meet certificate or degree requirements.

CIS110 Introduction to Computers**2-2-3**

As a foundation course to gain computer literacy, students will use a fully integrated, hands-on approach to understand the critical components of computer technology. Students will examine personal computer hardware and software components, gain proficiency in the Windows operating system environment, and learn the fundamental elements of Office Application Software including word processing, spreadsheets, presentation software, and database applications. Students will also explore various facets of the Internet including using the Internet for research, working with online learning tools, evaluating electronic information, safeguarding data, proper use of email, and other current web technologies. Prerequisite: Placement Testing or C or better in CIS097.

CIS111 Computer Technologies**2-2-3**

The purpose of this course is to provide students with the fundamental background and understanding of various critical components of computer technology. A required course for all computer majors, this foundation course provides students with a firm foundation in computer technology including: hardware components, software applications, processors, memory management, secondary storage, file management, operating systems, networking essentials, ethics, and emerging technologies. Students will also explore various ethical issues surrounding the use of digital information, as well as the impact of technology on business and society. Prerequisite: CIS110 or permission of Instructor.

CIS112 Programming Logic**3-0-3**

This course will emphasize systems thinking as an approach to solving computer problems and understanding formal logic. Programming theory and logic will be presented with hands-on practice in model environments, while students are provided with essential problem-solving methods, techniques, and disciplines. Control flow, data manipulation, and planning methods will be emphasized. Students will develop confidence in applying programming solutions, will be exposed to pertinent terminology, and will learn the effective use of reference materials.

CIS113 Database Design and Management**2-2-3**

This course is an introduction to database analysis, planning, designing, and implementation with emphasis on the relational model. Students will study the theory behind relational databases, relational database nomenclature, and relational concepts. The course will include studying Structured Query Language (SQL) and optimizing databases through normalization. Students will apply their knowledge with hands-on exercises designed to teach the intricacies of database design methodology. A final project will conclude the course. Prerequisite: CIS110.

CIS115 Introduction to Graphic Design**2-2-3**

This design course will explore design and layout considerations for various production media. Students will study principles of design including color theory, line, texture, pattern, balance, space and movement. Students will be introduced to computer graphics creation using industry standard software packages such as Macromedia Freehand and Adobe PhotoShop. Students will also experience hands-on drawing and design lessons to develop their own senses, learn how to use paths, manipulate basic shapes and text, apply color and gradients, implement styles, work in multiple layers, trace, and scale. Students will be able to use these design applications for future study in Web Design and Multimedia Production. Prerequisite: CIS110.

CIS118 Introduction to .NET**2-2-3**

This course will provide students with an understanding of structured, procedural, and event-driven programming. Students will develop techniques for problem solving through the application of programming methods and will gain experience in the nuts-and-bolts of program design as they complete lab work and assignments. Students will learn to use the Visual Basic .NET language and programming environment. Prerequisite: CIS112.

CIS124 Web Programming I**2-2-3**

In this course, students will gain knowledge of the web site development process and learn how to develop web pages using XHTML standards. Through the use of different text editors and validation programs students will study in detail XHTML syntax and will develop well-formed and valid web pages. Students will also incorporate text, graphical, and form components into web pages and will use text formatting, tables, and CSS for page layout and site design. Prerequisite: CIS110.

CIS125 Introduction to Animation**2-2-3**

In this course, students will learn how to apply the principles of animation and gain a full understanding of the animation process from conception to completion. Topics to be covered include storyboarding, creating production artwork, setting key frames, tweening and interpolation, creating and animating characters, materials manipulation, and lighting. Hands-on experience using 2D and 3D animation tools and software application programs is a core component of this course. Students will gain a working knowledge of Macromedia Flash that will be expanded upon in CIS264. Prerequisite: CIS115.

CIS134 Web Style and Design**2-2-3**

Students will learn the basic layout and imaging skills for attractive, informative, and entertaining Web pages. Course topics include information architecture, site design, layout, type, color, scanning, image manipulation and formats, copyrights, element integration, and compatibility issues with multiple browsers. Current software specific to Web publishing will be utilized. Prerequisites: CIS115, CIS124.

CIS135 Introduction to PhotoShop**2-2-3**

Adobe PhotoShop brings the art and science of photo manipulation to the Web and other computer applications. An overview of the PhotoShop environment, color processes and channels, image modes, scanning, compositing, adjustment layers, masks, type manipulation, filters, actions, file formats, and web/multimedia considerations are among the many topics covered in this course. Prerequisite: CIS110.

CIS142 Publication Design**2-4-4**

This hands-on course introduces students to the basic hardware and software components of publication design as well as the skills needed to produce attractive and effective printed materials. Students will learn to produce page layouts; create business cards, brochures, display ads, newsletters, menus, logos and announcements, while fulfilling in-class service learning objectives for community partners. Prerequisite: CIS110 or CIS111. This is a Service Learning Course (SL).

CIS146 Linux I**2-2-3**

The purpose of this course is to provide students with the fundamental skills needed to work in a Linux environment. A recent version of the popular public domain operating system Linux will be used as a vehicle for course delivery. Topics to be covered include the file system, file management, text editors, running and creating shell scripts, Xwindows, and basic system administration. Installing the Linux operating system and networking issues will also be discussed. Prerequisite: CIS112.

CIS148 Introduction to Java Programming**2-2-3**

The purpose of this course is to provide a solid foundation in the Java programming language. Program planning, object oriented design, and Java language syntax will be emphasized. This course will prepare students for advanced study of the Java language as well as introduce students in other fields of computer study to general object programming. Prerequisite: CIS112.

CIS149 Linux Applications**2-2-3**

In this course, students will explore the various common business applications available to run on Linux. This includes Star Office, Open Office, Evolution, Mozilla, Gimp, and many other useful, open-source programs which are generally available free from sources on the Internet.

CIS156 Computer Applications in Business**2-2-3**

This course stresses project planning using technology, aiming to provide professionals the ability to meet the challenges of business. Through a project-based approach students will learn advanced concepts and functions of business application software. To become more efficient and effective students will successfully solve real-world office technology problems using integrated software applications. Students will be able to manage customers and sales opportunities more effectively, create impressive sales and marketing materials in-house, manage email, and share information more efficiently using Microsoft Office. This course is well suited to those students who know the basics of Microsoft Office and need to become thoroughly knowledgeable and experienced in its many applications. Prerequisite: CIS110.

CIS158 Introduction to C++**2-2-3**

This course introduces students to the fundamentals of structured programming and to the procedural aspects of the C++ programming language. Students will create programs to demonstrate the topics of program control, functions, arrays, and pointers. Microsoft's Visual C++ will be used as the primary development tool; however, other environments may also be utilized. Emphasis will be placed on the creation of platform-independent applications in order to allow students to become familiar with the core features of the C++ language. Prerequisite: CIS112.

CIS165 Introduction to Video Production**2-2-3**

In this course, the fundamentals of video production and editing will be studied through individual projects. A technical foundation will be established regarding rudimentary aspects of video engineering. All aspects of the production process including camera functions, lighting, shooting techniques (ENG and EFP), audio-for-video, and voice over acquisition will be presented. Editing concepts and aesthetics will be examined through an introduction to film history and current editing standards. A detailed introduction to Adobe Premiere and video editing concepts will provide students with the tools to assemble their acquired video elements into a final video project of their choice. Prerequisite: CIS110.

CIS172 Introduction to Game Design**2-2-3**

What makes a great game? How do you create a computer or video game from start to finish? This course introduces basic techniques, concepts, and vocabulary necessary to understand the process of conception to design and programming games. This is a hands-on course that will include topics such as storyboarding, character creation, the user-interface, Artificial Intelligence, graphics, data structures, programming concepts and the history and psychology of games. Students will analyze existing games and work individually and collaboratively to design their own games. Students will gain valuable experience through the use of third party game engines as well as C++ and C#. (Prere CIS111, CIS112, CIS115, CIS125)

CIS175 Adobe Illustrator**2-2-3**

Students will establish a firm foundation in Illustrator by mastering the primary tools and techniques necessary to create complex and attractive illustrations and text effects. Students will learn to use Illustrator's foundational tools and techniques such as paths, fills, strokes, pathfinder, drawing, painting, gradient mesh, filters, and masks to create artwork and illustrations that could be used for integration with multimedia, for vector animation, or on the World Wide Web. Prerequisite: CIS115.

CIS205 Advanced Photoshop**2-2-3**

This course will expand student's knowledge of Photoshop through the exploration of more advanced tools and techniques for both print and the Web. In-depth work on photo editing, masks, gradient masks and channels, color correction, image blending, digital images, clipping paths, filters and plug-ins, and the creation of 3-dimensional effects through the digital manipulation of lighting and shadow will be covered. Students will be encouraged to take their own creative ideas from sketch pad to completion. Many professional tips and tricks from publications written by industry experts will be covered. Prerequisite: CIS135.

CIS215 Advanced Graphic Design**2-2-3**

This digital graphic design course provides the student with challenging design problem solving experiences that can be applied to print and digital media. This project based course will utilize industry standard Adobe software, utilized as individual applications and in combination to produce a finished product. The student will be responsible for the development of an original idea from the thumbnail sketch to a digital comp, and to understand the impact of the visual message. The student will become fluent in graphic design vocabulary, experience collaborative work and develop visual literacy. Upon completion of this course the student will assemble a portfolio that expresses a personal voice, as well as help prepare them for an internship. Prerequisites: CIS115, CIS135 and CIS 175.

CIS216 Web Server Administration**2-2-3**

In this course students will discover how to manage web sites at the server level. Students will learn how to set up and maintain the hardware and software needed for both Internet and Intranet web sites. Emphasis will be placed on setting up a UNIX/Linux system with Apache web server; however, other platforms will be discussed throughout the course. Prerequisites: CIS146, CIS224.

CIS218 Advanced .NET**2-2-3**

This course will expand the students' understanding of structured, procedural and event-driven programming using Visual Basic. NET. Students will learn advanced programming methods and will gain further experience in the nut-and-bolts of program design as they complete lab work and assignments. Prerequisite: CIS118.

CIS223 Advanced SQL**2-2-3**

In this course, students will learn how to use Structured Query Language to manipulate and retrieve data from relational databases. Students will use SQL to modify database structure, add user permission to databases or tables, query the database for information, and update the contents of a database. Stress will be placed on working with large database management systems like SQL Server. Prerequisite: CIS113.

CIS224 Web Programming II**2-2-3**

Building upon the web development skills taught in CIS124, this course will enable students to create dynamically-built web sites using JavaScript and other client-side scripting languages. Students will also gain advanced XHTML and CSS skills and will gain familiarity with programming concepts and terminology common to many web scripting languages. Please note that if students have no previous programming experience, then CIS112 is a must prior to enrolling in this course. Prerequisites: CIS112, CIS124.

CIS225 Introduction to Print Production**2-2-3**

This course is an examination of different print mediums, the benefits of various technologies, and general application requirements for successful output. This course will rely on classroom discussion with emphasis placed on real-life examples of cost-effective decisions, requiring the student to remain current on industry news and trends. Utilizing Adobe InDesign, students will prepare files for print and perform preflight steps. Prerequisites: CIS115, CIS 135, CIS175

CIS246 Linux II**2-2-3**

Building upon fundamentals previously acquired, students will further develop Linux skills and knowledge in a hands-on environment. Students will install a dual boot operating system, develop shell scripts for application management, configure various business productivity applications, discuss Linux security issues, and gain a further understanding of Linux administration with respect to using and configuring various network services. Prerequisite: CIS146.

CIS248 Advanced Java Programming**2-2-3**

In this course, students will extend their knowledge of object-oriented programming through the use of the Java programming language. They will develop applets for use in web pages as well as stand-alone applications. Application design, planning, language syntax, and a variety of Java environments will be covered. Individual and group projects are emphasized throughout the course. Prerequisite: CIS148.

CIS249 Linux Databases**2-2-3**

In this course, students will establish a firm foundation in Linux database installation, design, construction, and use. Students will install and use MySQL and PostgreSQL, two popular open-source database programs, along with a variety of useful tools to work with these databases. Students will also write basic PHP/Perl code to link these databases to websites. Prerequisites: CIS113, CIS146.

CIS253 Data Sharing**2-2-3**

This course will provide the student with the skills necessary to share data across the Internet. Topics will include database queries, ASP, JSP, and CGI scripting, as well as security and form design. Current trends will be examined and discussed. Prerequisites: CIS223, CIS224.

CIS254 PHP and MySQL**2-2-3**

PHP is a server-side, cross-platform scripting language. It offers a server-side approach to database connectivity with an integrated environment where complex scripting code combines with plain HTML. This class enables students to create dynamic web applications with PHP and MySQL. Topics include the basics of PHP, mixing PHP and HTML, displaying dynamic content, using cookies, and database connectivity. Other topics may include: fusebox design and open-source prebuilt solutions. Prerequisites: CIS113, CIS224.

CIS258 Advanced C++**2-2-3**

This advanced programming course emphasizes the C++ implementation of object-oriented designs. It expands upon the structured techniques introduced in CIS158. While concentrating on the creation of C++ object systems, students will learn advanced language topics such as function overloading, default arguments, inheritance, virtual functions, and run-time type information. Prerequisite: CIS158.

CIS264 Adobe Flash**2-2-3**

Learn to use Adobe Flash to create interactive web sites, games, and applications. Building upon the skills learned in CIS125 Introduction to Animation, students will learn advanced drawing, animation, and interactivity techniques. Students will also learn the fundamentals of Action Script and how to manipulate information, objects, text, and sound to create a fully interactive application. Prerequisites: CIS112, CIS125.

CIS265 3D Design and Animation**2-2-3**

Students will learn the fundamental principles that form the basis of effective 3D development. Discussion will involve the use of space, form, and color impact on computer games, computer graphics, animation, and demos. Topics will include architectural visualizations and fly-throughs, proportional systems, geometry and harmony. Students will learn the fundamental principles that form the basis of effective 3D development. Topics will include scene and character development and animation, use of color and lighting, inverse kinematics and modeling using primitive shapes, NURBS and polygons. Hands on experience using 3D animation tools and software application programs is a core component of this course. Prerequisite: CIS125

CIS275 Advanced Video Production**2-2-3**

Continuing where CIS165 leaves off, CIS275 will examine various aspects of video production and editing in greater detail. Students will learn script writing, story boarding and production planning as a necessary precursor to successful video production. Production and editing issues regarding film, broadcast, commercials, corporate, event, and legal video will be discussed. Students will be required to go out into the community and provide production services for a client in the form of a commercial or business/product presentation. Advanced aspects of nonlinear editing with Adobe Premiere will be addressed in detail such as video motion manipulation, audio and video filters, and transparency keys. Prerequisite: CIS165.

CIS281 Internship**1-8-3**

This capstone course allows a limited number of students to receive on-the-job experience at an off-site location related to their specific area of academic concentration. Students are required to work eight hours per week at positions that meet the criteria established by the Internship Manual. A seminar meeting once per week will review internship progress and discuss issues related to successful employment. The course has one hour of lecture and eight hours of work for three credits. Department Elective. Prerequisite: completion of coursework for the first three semesters of the student's program of study and approval of the Department Chair and/or Program Advisor.

CIS291 Advanced Topics**2-2-3**

The purpose of this experience is to provide qualified students with the opportunity to pursue academic work outside the formal classroom setting. Independent Project is an ideal way for a student to specialize in a concentrated area within the Computer Technologies Department. In order to be eligible for this challenging opportunity, students must seek the approval of the Department Chair and work with a faculty advisor to set up a course of study. Students must submit an original project plan prior to acceptance.

CIS292 Portfolio Preparation**1-0-1**

As a required capstone course, this course is an opportunity for students to demonstrate they have achieved the required goals and objectives for the CT/DMT Programs. The course is designed to assist students with final portfolio preparation. Prerequisite: Approval of the Department Chair and/or Program Advisor upon completion of coursework entering final semester (Permission "PERMXXX").

- CRJ101 Intro to Criminal Justice** **3-0-3**
This course covers the components of the justice system in American society. Although civil law will be discussed, the emphasis will be on the criminal justice system. The influence and pressures of changing social, political, technological, and economic factors on the agencies of justice will be studied. Much of the focus will compare ideals with realities of the system. Law enforcement, the courts, and correctional aspects will be examined.
- CRJ121 Criminal Procedure** **4-0-4**
This course analyzes the constitutional issues in the United States which have direct bearing on the role and policies of criminal justice agencies. Application of these issues as they relate to investigation, arrest, pretrial and appeal will be emphasized.
- CRJ123 Criminal law** **4-0-4**
This course provides an in-depth review of substantive criminal law in the federal and state systems including analysis of the essential elements of all major crimes, the concepts of constitutional review and judicial scrutiny and the principles governing legal challenges to the constitutionality of laws.
- CRJ150 Criminology** **3-0-3**
Students will learn the definition and nature of crime, criminal statistics, and a survey of the theories of crime causation. Emphasis is placed on crime patterns and typologies.
- CRJ205 Police Operations** **3-0-3**
This course covers the principles of police organization and administration, along with community policing as well as the selection, training, promotion and socialization of officers. It also examines issues involving the influence of research, police deviance, minorities, the use of force, and the general hazards of police work.
- CRJ210 Juvenile Justice** **3-0-3**
An examination of causative factors in the development of youthful offenders and the development and philosophy behind treatment and rehabilitative practices are covered. The course also covers legal, procedural, and substantive issues pertaining to the juvenile justice system.
- CRJ215 Corrections Operations** **3-0-3**
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.
- CRJ225 Drug Abuse and the Law** **3-0-3**
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.
- CRJ230 Justice and the Community** **3-0-3**
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.
- CRJ270 Criminal Justice Internship** **0-9-3**
This course prepares students entering the field of criminal justice by applying theoretical knowledge to practical experience. Students will complete a minimum of 120 hours at an agency provided by the internship coordinator and assist in activities deemed appropriate by the agency. The agency will also evaluate the student. Students are required to maintain an internship log and prepare an extensive paper which relates previous criminal justice coursework to the internship experience. Approval from the Department Chair is required prior to registration.
- CRJ275 Senior Project** **3-0-3**
This course presents an opportunity for students to focus on a specific issue or topic in Criminal Justice with a primary emphasis on completion of a major independent research project and topic paper analyzing an agency or significant concept/ issue in Criminal Justice. Students MUST see their Program Coordinator to discuss their goals for the course and to register for this class.
- ECE100 Early Childhood Growth and Development** **3-0-3**
This course provides an in-depth study of normal growth and development from conception through age twelve with an emphasis on the needs and characteristics of each developmental level. Prominent theories of child psychology will also be introduced such as those of Piaget, Erikson, Maslow and behaviorism. Observation of children will be required as part of the course requirements.
- ECE104 Foundations of Early Childhood Education** **3-0-3**
This course provides an overview of the history of childhood and childcare as well as a survey of the existing program models. Various environments, materials, and resources that meet developmental and educational needs of young children will be presented. Students will observe and evaluate programs based on principles of developmentally-appropriate practice as outlined by the National Association for the Education of Young Children.

ECE106 Curriculum & Environment for Family Child Care**3-0-3**

This course provides 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. Prerequisite: ECE100.

ECE107 Family Child Care Business Management**3-0-3**

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.

ECE109 Art, Music, Drama and Movement in Childhood Education**3-0-3**

This course focuses on nurturing creativity in young children through the provision of developmentally-appropriate activities in the areas of art, music, dramatic play, and movement. The various methods and materials used to stimulate a young child's creative impulses will be explored.

ECE112 Learning Environments in Early Childhood**2-3-3**

The emphasis of this course is on the environment in the Early Childhood curriculum. The manner in which a "prepared environment" leads to play while stimulating the development and educational growth of children will be the focus of the course. Students will observe the effects of space, equipment, materials, and relationships upon play, learning and discovery. Students will plan and implement developmentally-appropriate activities. Students will attend a weekly three-hour practicum placement at an approved site.

ECE116 Child Health, Safety, and Nutrition**3-0-3**

This course will provide the student with a variety of health, nutrition and safety concepts. These concepts will enable the individual to implement preventive health and safety practices based on New Hampshire Childcare Licensing Regulations. Students will be able to develop menus for meals and snacks which are nutritious, appealing, and age-appropriate for young children. Recognition and treatment of child-abuse victims will be addressed. It should be noted that CPR and First Aid are NOT part of this course.

ECE200 Math and Science Development in Childhood Education**3-0-3**

This course will provide students with the theoretical and developmental knowledge necessary to effectively teach the basic concepts of math and science to young children. Students will develop their skills in preparing developmentally-appropriate activities that promote inquisitiveness, problem solving and exploration. The interrelationship between math and science and other areas of the curriculum will be explored. Students will need access to young children to complete course requirements. Prerequisite: ECE100, ECE104, ECE112 or permission of the instructor or Program Coordinator.

ECE202 Senior Practicum: Student Teaching**1-9-4**

This Practicum allows students to assume teacher responsibilities in a variety of Early Childhood settings under guided supervision. Students will bridge the gap between theory and practice by implementing theoretical knowledge and developmentally appropriate methodology in their work with young children. Students will assume increasing responsibility throughout the semester by planning activities across the curriculum. Students will complete ECE202 at college approved Early Childhood facilities. Students will need to have practicum experience with two different age groups in their senior year (i.e. infant/toddler; preschool; school-age). Prerequisites: ECE 100, 104, 116; 112 with a C+ or better; Child Care Personnel Health Form on record with no physical or mental restrictions that indicate should not be around children; Successful background check as required by NH Child Care Licensing Bureau; reliable transportation to practicum site; cumulative GPA of 2.5 or better in ECE coursework and 2.0 overall GPA.

ECE203 Language Arts in Early Childhood**3-0-3**

In this course, the development of language and literacy, components of a language rich environment, language arts curriculum, and approaches to reading and writing instruction will be explored. This course is designed to provide an overview of developmentally-and interest-appropriate literature and language art curriculum for young children. It will afford an opportunity to explore the various genres, recognize the value of literature to children's development, become familiar with exemplary authors and illustrators of children's literature, and learn ways to extend and enhance literature for young children. Prerequisite: ECE100, ECE104 or permission of the instructor or Program Coordinator.

ECE204 Developmentally-Appropriate Curriculum for Infants and Toddlers**3-0-3**

This course provides an in-depth study of the normal growth and development of the child from birth through toddlerhood. Emphasis is placed on the interrelationship of emotional, social, cognitive, physical, and language development patterns of infants and toddlers. The student will learn to plan a developmentally-appropriate curriculum based upon standards of NAEYC and New Hampshire Bureau of Child Care Licensing. The sequential and effective use of play materials will be presented as essential to an infant and toddler curriculum. Students will be required to volunteer and observe eight hours in an infant and toddler program. Prerequisite: ECE100, ECE104 or permission of the instructor or Program Coordinator.

ECE206 Supporting the Special Needs Child**3-0-3**

The course will focus on the unique characteristics and needs of young children with communication disorders, sensory impairments, physical and health-related disabilities, child abuse, and giftedness, as well as those living under stress. Screening, assessment, early intervention, individualized education plans, inclusive education, community resources, and family issues will be discussed. Prerequisite: ECE100.

ECE212 Senior Practicum: Professional Development**1-9-4**

This course is designed to extend the student's experiences in bridging the gap between theory and practice in Early Childhood Education by working with children of a different age level than the previous practicum. Students will assume increasing responsibility throughout the semester by planning activities across the curriculum. Seminars are scheduled to discuss issues in professional development. Students will complete a professional portfolio as part of the final requirement for this course. ECE 100, 104, 116; 112 with a C+ or better; Child Care Personnel Health Form on record with no physical or mental restrictions that indicate should not be around children; Successful background check as required by NH Child Care Licensing Bureau; reliable transportation to practicum site; cumulative GPA of 2.5 or better in ECE coursework and 2.0 overall GPA.

ECE214 Appropriate Discipline and Guidance for Young Children**3-0-3**

The emphasis of the course is on the role of positive child guidance in preparing young children to become competent, confident, and cooperative individuals. Developmentally-appropriate methods of guiding children will be shared, along with effective strategies for preventing disruptive behaviors in the classroom. A recurring theme will be the impact of positive discipline on self esteem. The influence of developmental, environmental, and health factors will be examined. Theories behind the approaches and techniques of discipline and guidance issues will be discussed. Prerequisites: ECE100, ECE104 or permission of the instructor or the program coordinator.

ECE220 Practicum I: Student Teaching**2-9-5**

This course is designed to give students in Early Childhood Education specific experiences in working with groups of young children in licensed settings under the supervision of certified professionals. Students will need to have practicum experience with two different age groups: infant/toddler and preschool/primary-aged children. Students will participate in the daily activities of young children and will assume increasing responsibility throughout the semester by planning developmentally-appropriate activities for their given group. Weekly seminars are scheduled to discuss issues of appropriate practice, discipline, lesson plans, observations, and concerns. Prerequisite: ECE100, ECE104, ECE112, ECE116.

ECE230 Practicum II: Professional Development**2-9-5**

This course is designed to give students in Early Childhood Education the opportunity to work with young children at a different level from the first semester's experience. At the end of this semester, each student will have participated in the daily activities of infant/toddler and preschool/primary-aged children. The student will learn to become an active listener and communicator with both the children in his/her care and the cooperating staff. Both preschool and infant/toddler students will participate in seminars to discuss childcare management issues and personal professional development. Students create a professional portfolio as part of a final requirement for this course. Prerequisite: ECE100, ECE104, ECE112, ECE116.

ECE250 Childcare Administration and Management**3-0-3**

This course is designed to provide students with information on administering an early childhood education program. Students will examine diverse programs available to the community, examine state and federal licensing regulations along with national accreditation standards. Students will critically analyze the degree to which financial issues of marketing, accounting, and funding affect the management of the center. In addition, students will identify components of a healthy organization that manages people and resources in a positive, supportive manner.

ECON234 Macroeconomics**3-0-3**

This course analyzes the determinants of aggregate economic activity and the effects of government policies intended to achieve full employment, price stability, and economic growth. The course examines consumer and business spending, government expenditures and tax policies, and the impact of the international sector on the US economy. Topics include: inflation, unemployment, interest rates, fiscal policy and the public debt, monetary policy, international trade, and finance. (Fulfills Social Science requirement.)

ECON235 Microeconomics**3-0-3**

This course equips the student with an understanding of fundamental economic principles and tools. It presents economic analysis with respect to demand and supply, consumer utility theory, elasticity, costs of production, perfect competition and imperfect competition, and resource markets. Prerequisite: ECON234. (Fulfills Social Science requirement.)

EDU101 Introduction to Exceptionalities**3-0-3**

This course will provide students with an overview of the special education process in today's public schools. The special education process involves working effectively with school personnel and parents, and acquiring a general knowledge of various disabilities and needs of students. A comprehensive examination of inclusion and its effects on the classroom environment will be covered. This course will provide teachers and paraprofessionals with the basic knowledge to begin to successfully meet the needs of a variety of students in the classroom. This course will also provide a foundation for further courses in the area of special education.

EDU104 Foundations of Education**3-0-3**

This course will provide students with an overview of education in the United States and an overview of the many dimensions of the teaching profession. There are many factors that influence the teaching profession, from the students in the classroom to the political climate. This course will engage students in the examination of these influences and their affects on education in the K-12 setting. Students will be encouraged to reflect on the art of teaching. This course requires 20 hours of observations in a classroom setting.

EDU201 The Teaching & Learning Process**3-0-3**

This course will provide students with an overview of the teaching and learning process. The teaching process is multidimensional. Each component of the process is essential to the success of the learners. Students must develop an understanding of this process and the factors that lead to the success of the K-12 student. Students will be engaged in the material throughout the course as work will be designed for classroom implementation. Prerequisite: EDU104

EDU202 Current Practice: Teaching, Learning, Assessment**3-0-3**

This course will provide students with an in-depth study of the application of educational practices and pedagogical theory necessary to succeed as classroom teachers. The concepts presented will enhance and build upon material from prior courses. Students will incorporate current research and instructional strategies into their teaching repertoire as evidenced by individual and group activities. This course will prepare students for success in advanced methods and materials courses. Students will be required to complete a minimum of 10 observation hours in a school setting. Prerequisite: EDU104.

EDU205 Technology in Education**2-2-3**

This course will provide students with strategies to incorporate the use of technology into the classroom. An emphasis will be placed on technology as a tool that facilitates learning and enhances the teaching process. Students will explore the value of technology as it directly relates to student achievement, professional growth, and classroom management. Prerequisite: CIS110 or Placement Testing above CIS110.

EDU206 Literacy in Education**3-0-3**

This course will provide students with an in-depth study of literacy in education. The areas of reading, writing, listening, and speaking will be viewed as interrelating processes. A broad theoretical foundation will be given to promote a focus on literacy in today's classroom. Students will also preview current research and methods of support available to teachers. Material in this course will be discussed consistent with themes of reflective practice and acknowledging and responding to the unique learning characteristics of all students. Prerequisite: EDU104.

EDU207 Topics in Education**3-0-3**

There are many factors that influence a teacher's ability to be successful in the classroom. This course will provide students with an in-depth analysis of essential elements of the teaching profession. Students will investigate and reflect on a variety of factors that affect student success: methods of instruction, collaboration, ethical standards, the family's role in education, and political and societal influences on education. This course is appropriate for students seeking a career in a childcare or public school setting. Prerequisites: EDU104 or ECE104 & ECE112.

EDU215 Behavioral Challenges in the Classroom**3-0-3**

This course will provide students with an overview of behaviors that can hinder the educational process. It is essential that educators plan for behavior issues in the classrooms. An overview of the behavior issues related to a variety of disabilities will be provided. The course will provide students with a broad theoretical foundation of behavioral management strategies that can be used to support children with emotional, behavioral, and social challenges. An emphasis on observation skills, record keeping, and parental support will be provided. Prerequisites: EDU101 & EDU104 or ECE104 & ECE206.

EDU220 Families and Professionals in Special Education**3-0-3**

This course will provide students with an in-depth analysis of the special education team members and the families involved with the process. Special education is a team approach. Educators must become aware of the benefits of working with a team and the responsibilities of being part of that team. The family is an essential part of this approach. Strategies to enhance collaboration; develop communication skills; and build the home-school connection will be explored. Prerequisites: EDU101 & EDU104 or ECE104 & ECE206.

EDU225 Curriculum Planning and Implementation for Inclusion**3-0-3**

This course will provide students with an overview of effective instructional designs, methods, strategies, assessments, and assistive techniques to meet the needs of students with disabilities. An emphasis on inclusion and working with students in the general education classroom will be provided. It is essential that educators develop a repertoire of teaching strategies to value the strengths and meet the diverse needs of students in today's classrooms. The practice of inclusion involves accommodating the curriculum to meet the individual needs of all students in the environment most conducive to learning. This course requires 15 hours of observations in a special education or general education classroom setting. Prerequisites: EDU101 & EDU104 or ECE104 & ECE206.

ENGL097 Developing College Reading Skills**3-0-3**

Students will develop proficiency in the fundamental communication skill of reading. The skills emphasized include recalling detail, identifying main ideas, drawing inferences, thinking critically, increasing reading speed, and expanding vocabulary. Prerequisite: placement testing or a grade of "C" or better in ESL100 or higher. These credits do not count toward graduation requirements.

ENGL098 Developing College Writing Skills I**4-0-4**

Meeting individual needs is a primary goal of this course in which learners have the opportunity to strengthen their language skills in the unified context of the reading and writing process. Additional support is provided by structured writing workshops. Prerequisite: placement testing or a grade of C or better in ESL100, or higher. This course may not be applied to meet Certificate or degree requirements.

ENGL099 Developing College Writing II**4-0-4**

This course places the development of composition skills in the context of the reading and writing process. Students will examine a variety of texts for idea development and analysis of the organizational patterns that underlie personal and academic writing. Prerequisite: placement testing or a grade of "C" in either ENGL098 or ESL120 or higher. This course may not be applied to meet Certificate or degree requirements.

ENGL110 College Composition I**4-0-4**

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 drafting through pre-writing, revision and editing. This course places reading at the core of the writing curriculum by including interaction with reading selections as the vehicle for idea development, analytical and interpretive skills, and research, and to serve as writing models. Prerequisite: placement testing or a grade of "C" or better in either ENGL099 or ESL130 or higher. *COLLEGE COMPOSITION I POLICY Students must pass the research component of ENGL110 College Composition I in order to pass the course.

- ENGL114 Introduction to Poetry** **3-0-3**
In this course, students will examine poetry in personal, historical and sociological contents. Prerequisite: ENGL110 or equivalent, or permission of the Instructor. (Fulfills English or Humanities requirement)
- ENGL116 Introduction to Drama** **3-0-3**
Drama combines the literary arts of storytelling and poetry with the world of live performance. As a form of literature, ritual, and entertainment, drama has served to unite communities and challenge social norms, to energize and disturb its audiences. In order to understand this rich art form more fully, students will study and discuss a sampling of plays that exemplify different kinds of dramatic structure; class members will also attend and review dramatic performances. Prerequisite: ENGL 110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL117 Introduction to Literature** **3-0-3**
An introduction to the study, appreciation, and understanding of literature. Students will read a variety of types of literature--fiction, drama, and poetry--from a variety of time periods. Emphasis will be placed on the variety of ways with which one can relate to a literary text. Prerequisites: ENGL 110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL120 Introduction to African-American Literature and Culture** **3-0-3**
A survey of African-American literature and culture in which students encounter a variety of texts and performances ranging from traditional types of literature including fiction, nonfiction, drama, and poetry, to standup comedy, film, music and dance. The goal is to gain a broader understanding of the profound impact African-Americans and their cultural/artistic contributions have had on American society, politics, culture, and the American soul. Prerequisites: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL127 Introduction to Literary Analysis** **3-0-3**
An introduction to the skills of analyzing literature. The course will provide a basic understanding of the forms of fiction, poetry, and drama. It will also introduce the student to the various schools of criticism from traditional to modernism, to structuralism, deconstructionist schools, as well as psychological, feminist, and political critical theories. Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL200 Themes in Literature** **3-0-3**
Various faculty explore topics of special or thematic interest determined on a semester basis, at level appropriate for both students whose concentration is English and others. Emphasis will be placed on close reading and critical writing on the substance and language of literature, literary techniques and genres. Prerequisites: ENGL 110
- ENGL209 American Literature through the Civil War** **3-0-3**
This course samples American literature from its beginnings through the Civil War period, emphasizing themes that have left their mark on American consciousness and discusses how socio-economic themes relate to literature (as cause and as subject matter). Formal literary criticism is included as well as analysis of structure. Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL210 Communications** **3-0-3**
In this course, students develop interpersonal and public communication skills, using informative and persuasive modes of both written and oral presentations. This course builds upon the skills developed in College Composition. Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL213 Creative Writing** **3-0-3**
In this course, the student will learn the techniques of creative writing. These techniques will run the gamut from brainstorming exercises to revising and editing. The student will learn these techniques through a combination of lecture, in-class exercises, and workshops. Prerequisite: ENGL110. (Fulfills English or Humanities requirement.)
- ENGL214 College Composition II** **3-0-3**
This course is designed to engage students in a reading and writing exploration of nonfiction. It will build on the skills developed in College Composition I to generate works written in a lively personal voice that are based on the active integration of experience and inquiry. Effective writing skills and research techniques are practiced in addition to creative approaches to scholarly writing. Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL215 Writing Technical Documents** **3-0-3**
An introductory course that deals with writing and speaking effectively on technical subjects. The course stresses frequent practice in planning, composing, and editing letters, memos, and reports. The course also provides practice in resumé writing as well as researching, organizing and presenting material extemporaneously. Prerequisite: ENGL110 or equivalent. (Fulfills English requirement.)
- ENGL218 Short Story** **3-0-3**
This course presents the short story as a major literary type, providing an analytical reading and interpretation of modern and contemporary fiction. The elements of the short story and the critical vocabulary necessary for discussing it are introduced. Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)
- ENGL220 American Literature after the Civil War** **3-0-3**
This course samples post-Civil-War American literature, emphasizing themes that have left their mark on American consciousness, and discusses how writers explore socio-economic themes (especially the American Dream). Formal literary criticism is included as well as analysis of structure. Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)

ENGL225 The Plays of William Shakespeare**3-0-3**

This course will study the plays of William Shakespeare with the understanding that they were the popular entertainment of his day. Students will examine such themes as the tragic love of Romeo and Juliet, the comical view of love in "Much Ado about Nothing", the military heroism of Henry V, the ruthlessness of Macbeth, and the tragic consequence of inaction in "Hamlet". Prerequisite: ENGL110 or equivalent. (Fulfills English or Humanities requirement.)

ESL100 ESL - Intermediate II**3-0-3**

At this level, emphasis is on comprehending and producing written English. The course focuses on strategy-based activities of information gathering, summarizing, reading for information, and problem solving. Students develop vocabulary and academic reading skills and practice writing in various forms. Students at this level will use readings as models for developing effective writing skills. Grammar is taught in the context of all language skills. Prerequisite: a qualifying score on an ESL Placement Test or Intermediate I with a passing grade. These credits do not count toward graduation requirements.

ESL120 ESL - Advanced**3-0-3**

This course is designed to provide the student with instruction and practice in all language domains via the reading/writing process. The course will provide opportunities for students to compose their own versions of the reading selections studied. Students will continue to use readings as models for developing effective academic writing skills. Beyond the course reader, students will use other reading materials (i.e., magazines, journals, and college text books) for discussion, and reaction papers. Prerequisite: a qualifying score on an ESL Placement Test, or Intermediate II with a passing grade of "C" or better. These credits do not count toward graduation requirements.

FYE101 First Year Seminar**1-0-1**

This course is designed for Great Bay students during their initial year of enrollment. Pulling from "what successful students do," the focus of this course will be on the cultivation of skills and behaviors for both college and career. Course topics include study strategies, college survival, communication, self-awareness, engagement, technology, information literacy and 21st century skills.

FYE103 Essential Skills for College Success**3-0-3**

Similar to FYE101, this course is designed for Great Bay students during their initial year of enrollment. The difference is that FYE103 will allow the student to spend more time exploring and practicing the skills and behaviors necessary for success in college and career. Topics include study strategies, college survival, communication, self-awareness, engagement, technology, information literacy and 21st century skills. FYE103 will fulfill the FYE101 requirement for Great Bay Community College.

GEOG110 World Geography**3-0-3**

The course is an introduction to the geographic and cultural elements of the world's major regions. Demographics, origins, language, religion, geopolitics, and agricultural features of the regions will be covered. The importance of place (geography) and how it shapes the character of the neighborhood, city, country and world will be emphasized as we look at key issues from a geographic perspective. (Fulfills Social Science requirement.)

HIST120 Western Civilization through 1500**3-0-3**

The course surveys the development of civilization in the western world from the beginning of Mesopotamian culture through the Protestant reformation of the 16th century. Social, political, economic, and spiritual forces and patterns that shaped the eras of western history will be discussed. History as the record of human struggle and achievement, change and continuity will be emphasized. (Fulfills Social Science or Humanities requirement.)

HIST130 Western Civilization-1500 to the Present**3-0-3**

The course surveys the development of civilization in the western world from the 16th century to the present. Social, political, economic, and spiritual forces and patterns that shaped the eras of western history will be discussed. History as the record of human struggle and achievement, change and continuity will be emphasized. (Fulfills Social Science or Humanities requirement.)

HIST201 History of New England**3-0-3**

This course is a regional history of New England and New Hampshire, covering pre-contact Native American culture, the separatists and Puritan migrations, role of New England in the American Revolution, and the process of early industrialization. Various aspects of New England social life and cultural contribution will be examined as well as the urbanization and diversification of New England and New Hampshire in the 20th century. (Fulfills Social Science requirement.)

HIST202 United States History through 1870**3-0-3**

The political, social, and cultural development of the United States from settlement to 1870 is studied. Emphasis will be on the development of nationalism, political institutions, sectional rivalry and slavery, and the cultural development of the American people. The course will conclude with the period of Reconstruction. (Fulfills Social Science requirement.)

HIST203 Topics in History**3-0-3**

This course will vary by semester. Historical topics will be chosen to reflect faculty and/or student interest and will then focus on an in-depth coverage of that topic. All courses will focus on historical events, forces, personalities, ideas, and values shaping the contemporary world. Critical thinking, speaking, and writing skills will be emphasized, as well as the ability to analyze historical sources. (Fulfills Social Science requirement.)

- HIST204 United States History - 1870 to the Present** **3-0-3**
The political, social, and cultural development of the United States from the period following Reconstruction to the present is covered. Emphasis will be on the urban industrial age, America as a world power, and the challenges to, and advances of, human rights and cultural pluralism. (Fulfills Social Science requirement.)
- HIST210 History of China** **3-0-3**
This course is a survey of the history of China from the Opium Wars to the present. It explores the political, economic, social, and intellectual upheavals which constitute recurrent elements in Chinese history. (Fulfills Social Science requirement.)
- HIST211 Modern Middle East History** **3-0-3**
This course is a survey of the main political, economic, religious and political currents in the region of the world known as the Middle East. The emphasis will be on events since World War II. Topics will include colonialism, the rise of nationalism, the creation of modern nation-states, and the role of the state in an Islamic society. The relationship of the Middle East to the rest of the world, the United States in particular, will be discussed. The geographic and historical roots of many current issues will be emphasized. (Fulfills Social Science requirement.)
- HLS110 Introduction to Homeland Security** **3-0-3**
This course will encompass the study and relationship between those entities and institutions necessary for the protection of the United States. Course instructional material will examine the components of Federal, State, and Local Police Agencies, as well as the role of Private Security and Emergency Responders needed to facilitate the implementation of the Homeland Security Act.
- HLS115 Crisis Planning, Operations, and Management** **4-0-4**
Concepts, issues, and problems of crisis and emergency management are introduced. The development of crisis and contingency plans and systems, such as the National Response Plan and the National Incident Management System, are described. Topics include organizing for response, managing the response organization, managing in a turbulent high-stress environment, crisis decision making, and crisis communication.
- HLS120 Introduction to Terrorism** **3-0-3**
This course explores the nature of terrorism, the motivations of terrorists, and the tactics that terrorists use. It surveys state sponsored terrorist groups, as well as several leading past and current radical groups. The final weeks of the course will assess different methods of countering terrorism, ranging from law enforcement to covert action.
- HOSP110 Introduction to Hospitality Management** **3-0-3**
This course provides an introduction to the various components of the hospitality management field. Topics include resort tourism supply and demand; customer service; the relationship between hospitality resorts and the hospitality industry; the development, of technology and its impact on restaurant management; trade association and career opportunities.
- HOSP150 Hotel Operations** **3-0-3**
This course focuses on the roles and duties of the general manager and front office manager of a full service hotel. With an emphasis on front office operations, this course will focus on the interdepartmental flow of operational procedures for the total hotel organization. The student will examine all elements of effective hotel operations management including planning, staffing, revenue management, cost controls, reservations and sales. Prerequisite: HOSP110.
- HOSP175 Hospitality Marketing and Sales** **3-0-3**
This course applies basic marketing principles and sales techniques to the unique environment of the hospitality industry. Students will learn how to develop a strategic marketing plan integrating key elements of market segmentation, targeting, and branding. Current trends in global marketplace distribution and promotional strategies will also be examined. With a focus on understanding consumer behavior, this course will provide students with an understanding of sales management theories and practices used by hospitality professionals. Through case studies, lectures, guest speakers, and projects, students will apply techniques and strategies to a variety of service businesses including hotels, resorts, spas, and restaurants. Prerequisite: HOSP110.
- HOSP200 Beverage Management** **3-0-3**
This course is designed to have the student become familiar with the varieties of alcoholic and nonalcoholic beverages. There will be a focus on spirits and wines and the impact they have on resorts and restaurants in generating sales, menu planning, and convention services. The course will review the laws and procedures related to responsible alcohol service. Prerequisite: HOSP110.
- HOSP210 Customer Service** **3-0-3**
This course examines the principles of customer service and its significance in a service-driven industry. Topics covered include: the service strategy; internal and external customers' wants & needs, communicating customer service; profiles of successful companies; and service people - motivation, communication, and reward. Prerequisite: HOSP110.
- HOSP215 Planning Meetings & Conventions** **3-0-3**
This course introduces the various types of events and activities that can be planned for resort management hotels and convention centers. Students will learn how to work with business convention coordinators, recruit speakers and performers, plan menus, deal with catering departments and talent companies, and plan special events. Negotiation skills, creativity, liability issues, and risk management will be emphasized. Prerequisite: HOSP110.

HOSP220 Sanitation/Purchasing**3-0-3**

This course is presented to the students in two specific modules. The first module introduces students to the cause of food borne illness, actions to prevent illness by proper food protection and personal hygiene of food handlers in the restaurant field, the laws for consumer protection, and standards for employee working conditions. This is a module that is certified by following the guidelines of ServSafe as recommended by the National Restaurant Association. The second module reviews with students the various grades, types and varieties of food equipment and furniture needed for a resort facility. Areas of study cover cost controls and yield formulas, centralized procurement, writing specifications, product identification, packaging and pricing. Prerequisite: HOSP110.

HOSP225 Hotel, Restaurant, & Travel Law**3-0-3**

This course provides a basic understanding of the legal principles and precedents related to hospitality industries with a concentration on hospitality management. Topics include employee relations, compliance with the Americans with Disabilities Act, contracts, liability, negligence, health and safety issues, discrimination, questions of jurisdiction, competition and anti-trust issues, and international relations. Case studies will be examined and the concept of ethics within the industry will be explored. Prerequisite: HOSP110.

HOSP230 Restaurant Development & Strategic Planning**3-0-3**

This course will introduce students to the basic skills of effective restaurant administration. This includes supervising personnel, problem solving, forecasting and operational analysis. There is training in menu planning and food and beverage cost control. Students will acquire firsthand knowledge of developing a restaurant from concept to operation. Prerequisite: HOSP110.

HOSP235 Food and Beverage Operations**3-0-3**

This course is designed to introduce the student to managing front-of-the-house operations with a focus on providing superior service. Management topics include food and beverage product knowledge, sales forecasting, cost control, and basic human resource management. Distilled beverages and wines and the impact they have on resorts and restaurants in generating sales and planning menus will be examined. The course will also include the laws and procedures related to responsible alcohol service. Prerequisite: HOSP110.

HOSP244 Introduction to the Spa Industry**3-0-3**

This course will examine the growing segment of spas and spa services within the field of hospitality. The evolution of the spa industry will be detailed from ancient civilizations to today with an emphasis on the interrelatedness of spas, medicine, healthcare, tourism and hospitality. Successful spa business models, a broad range of spa services and the latest trends will be discussed. Students will learn the unique aspects of a variety of spa categories including day, resort, medical, destination, hospital, and lifestyle management spa programs.

HOSP245 Spa Operations Management**3-0-3**

This course addresses the spa business basics such as how to establish a new spa as well as the unique aspects of spa operations and management. The spa environment, selecting and sourcing spa products, supplies and equipment will be examined. Students will focus on designing spa services that serve the mission and vision of the spa along with essential human resource management and guest service management techniques and strategies. Students will come to understand what it takes to manage a spa and succeed in this growing industry. Prerequisite: HOSP244.

HOSP250 Event Planning**3-0-3**

This course is designed to provide an introduction to the principles of event management. The student will examine event planning models and focus on the details required to plan special events. Emphasis is on the planning stage with research in selecting event themes and sites. Specific topics include event administration, detailed tasks and responsibilities, negotiations, staff management, budgeting, finance, advertising and promotion. Students will have the opportunity to volunteer and participate in a variety of area cultural, business, and tourism related events.

HOSP275 Senior Hospitality Management Seminar**3-0-3**

This course examines the impact of business environments on personal and career effectiveness in the hospitality management field. The primary focus includes extensive study of current developments and issues facing employers in the hospitality industry. Particular emphasis is given to selected readings and case studies dealing with a variety of topics including essential business communication skills, the impact of technology, ethical decision making, and managing effective teams. The secondary focus of this course is to provide students with the necessary career development skills needed for a successful transition onto the next stage of his or her career.

Prerequisites: HOSP110, HOSP150, HOSP175, HOSP210.

HOSP280 Hospitality Internship**0-9-3**

The hospitality Industry internship is an opportunity for the student to experience on-the-job training at a business or professional job site. The student will self-place into an area (or sites) at which practical experience related to the hospitality industry can be acquired.

HUMA105 Introduction to Music**3-0-3**

This course is an introduction to western music. The student will listen to, read about, and discuss music from a variety of time periods, genres, and styles. The course will include some history and literature, and exposure to basic elements of music, as well as form and instrumentation. Primary emphasis will be on developing critical listening skills. (Fulfills Humanities requirement.)

HUMA117 Art History I**3-0-3**

This course surveys the history of art and design in western and non-western traditions from prehistoric to the Baroque period or 17th Century. The course emphasizes the connections among historical, political, social, religious, and artistic developments, showing how artists and designers are influenced by the culture and time in which they live. (Fulfills Humanities requirement.)

HUMA127 Art History II**3-0-3**

This course surveys the history of art and design in western and non-western traditions from the 18th through the 20th century. The course emphasizes the connections among historical, political, social, religious, and artistic developments, showing how artists and designers are influenced by the culture and time in which they live. (Fulfills Humanities requirement.)

HUMA135 Children & the Media: Diversity Issues**3-0-3**

This course will explore the relationship of children to media in its social context. "Childhood" is a unique time where many images have a dramatic impact on the development of attitudes and perceptions about others. Impressions that may penetrate the subconscious are formed in children through media. This influence will be used to analyze diversity and the resulting stereotypes of religion, gender, age, race, ethnicity, disabilities, socio-economic status, and body image. Children have an innate capacity for empathy, respect, and compassion toward others; an examination of the relationship between these qualities and the perceptions of diverse issues created by the media will be completed.

HUMA150 Critical Thinking**3-0-3**

This is a reading, writing, and speaking course that applies critical and creative thinking skills to controversial contemporary issues. Skills from asking incisive questions to making wise decisions are presented sequentially. The skills are then applied in analyzing and evaluating selected readings. Stress is also placed on having students develop greater confidence in their ability to make rational choices about social issues. (Fulfills Humanities requirement.)

HUMA200 Film and Society**3-0-3**

This course will study American film as an expression of American society. Film as a reflection of social trends and changes in America will be emphasized. The influence of film on social and cultural values will be discussed. Course may be organized by genre, time period, or theme. Prerequisite: ENGL110.

IST112 Applied Logic**3-0-3**

The course will present formal logic with a concentration on Classical and Symbolic Logic. Control flow, data manipulation, and planning methods will be discussed, including diagramming and pseudo-coding. The course will emphasize systems thinking as an approach to solving problems and understanding formal logic. Programming theory and logic will be presented with hands-on practice in model environments, while students are provided with essential problem-solving methods, techniques, and disciplines. Students will develop confidence in applying programming solutions, will be exposed to pertinent terminology, and will learn the effective use of reference material.

IST113 IT Essentials: PC Hardware and Software**2-2-3**

This course presents an in-depth exposure to computer hardware and operating systems. Students learn the functionality of hardware components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and laboratory exercises, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems. The primary objective of this course is to provide the student with a general understanding of computer hardware and system software. The material covered in this course is intended to form a foundation of technical knowledge for system analysis, design, configuration, procurement, and management. In addition, an introduction to networking is included. This course helps prepare students for the industry recognized CompTIA's A+ certification.

IST114 IT Essentials: Network Operating Systems**2-2-3**

This course is an introduction to networking as well as an intensive introduction to multi-user, multi-tasking networking operating systems. Characteristics of the Linux, Windows 2000, NT and XP network operating systems will be discussed. Students explore a variety of topics including installation procedures, security issues, backup procedures, and remote access. This course continues the preparation in IT Essentials: PC Hardware and Software for the CompTIA's A+ certification. Both of the IT Essentials courses introduce students to information technology and data communication.

IST122 Network Fundamentals**2-2-3**

As an introduction to local area networking systems and protocols, this course is the first of a four course sequence within the Cisco Academy program. Based on the Exploration I curriculum, an introduction to networks in the modern world explores network models, applications, fundamental protocols, and data communications. Laboratory experiences involve both simulation and implementation of Ethernet local area network systems.

IST123 Routing Protocols**2-2-3**

The second of a four course sequence within the Cisco Academy program is based on the Exploration 2 curriculum. A focus on the role of routing protocols within network systems explores both classful and classless distance vector and link state protocols including static, RIP, RIPv2, EIGRP, and OSPF. The impact of VLSM and CIDR on network systems is considered. Laboratory experiences include designing routed networks, configuring routing protocols for forwarding network traffic, route summarization, and route redistribution. Prerequisite: IST122

IST141 Fundamentals of UNIX**2-2-3**

This course will teach students how to use the UNIX operating system and introduce them to the Common Desktop Environment (CDE). The class is for new users of the UNIX environment and CDE. Students will learn fundamental command-line features of the UNIX environment including file system navigation, file permissions, the vi text editor, command shells, and basic network use. CDE features include Applications Manager, Text Editor, printing, and mail.

IST151 Windows Network Operating Systems**2-2-3**

Windows operating systems are popular in the networking world. This course is aimed at developing competencies in installation, configuration, diagnosing and customizing Windows operating systems in networked environments. The relationship between Windows implementations and standard protocols and services as they relate to workstation systems will be emphasized.

IST161 Introduction to Information Assurance**2-2-3**

This course will provide information systems users with the basic knowledge of their role and responsibilities towards protecting information systems resources. Discussion will include workstation and office security, types of malicious programs such as viruses, access control schemes, and management. This will provide a foundation for further study of systems security and protection issues such as terminology, threats to information resources, computer abuse, and system vulnerabilities. This course maps to much of the Security+ Certification.

IST200 Communication Electro-Optics**2-2-3**

As informational systems approach physical limitations in performance, understanding electronics, optics, and electromagnetic propagation is critical for IST professionals. In this course, physical layer operations including communications theories, guided and unguided signal propagation, and physical layer phenomena are explored using intuitive, modeled, and experimental approaches. Prerequisite: IST113 or IST122 or equivalent competencies.

IST211 PC Technician**2-2-3**

This course will prepare the student to disassemble, reassemble, repair, upgrade, and otherwise work with the hardware of computers in a hands-on environment. Students will become familiar with past and present PC architectures with a view to passing the A+ Certification hardware core examination. Topics will include installation, configuration, diagnosing, and troubleshooting PC components. Operating system core examinations will also be discussed. Prerequisite: IST113 or equivalent competencies.

IST218 Building Remote Access Networks**2-2-3**

In the Building Remote Access Networks course, students build, configure and troubleshoot remote access networks that interconnect central sites to remote sites, such as branch and SOHO offices. Controlling access to the central site, as well as maximizing bandwidth utilization over the remote links is emphasized. Prerequisite: IST223 or Cisco Certified Network Associate (CCNA) certification.

IST220 Advanced Routing**2-2-3**

Advanced Routing continues the exploration of developing scalable IP networks using advanced implementation of VLSM, private addressing, and NAT to optimize IP address utilization. Laboratory experiences will implement the RIPv2, EIGRP, OSPF, IS-IS, and BGP routing protocols. In addition, details of the important techniques used for route filtering and route redistribution will be explored. Prerequisite: IST223 or Cisco Certified Network Associate (CCNA) certification.

IST221 MultiLayer Switching**2-2-3**

Multilayer Switching enables network administrators to implement appropriate technologies to build scalable multilayer switched networks; build switched networks using multilayer switching technologies; create and deploy a global intranet; and implement basic troubleshooting techniques in environments that use multilayer switches. The knowledge from this course will also enable learners to improve traffic flow, reliability, redundancy, and performance for LAN switching that are self-supported or transported via service provider. Prerequisite: IST223 or Cisco Certified Network Associate (CCNA) certification.

IST222 LAN Switching & Wireless**2-2-3**

The third of a four course sequence within the Cisco Academy program is based on the Exploration 3 curriculum. LAN switching protocols including VLANs, VTP, QoS, security and remote access management are explored. Wireless network access concepts are developed to balance ease of access with security and performance issues. Laboratory experiences involve advanced LAN configuration and testing. Prerequisite: IST122 .

IST223 Accessing the WAN**2-2-3**

The last of a four course sequence within the Cisco Academy program is based on the Exploration 4 curriculum. Issues of convergence (voice, video, data) on networks are addressed in the context of WAN connectivity through PPP, HDLC, Frame Relay, and broadband WAN protocols. WAN security and efficient implementation through protocols including ACLs, DHCP, and NAT are explored. Prerequisite: IST122 and IST123.

IST227 Internetwork Troubleshooting**2-2-3**

The goal of Internetwork Troubleshooting is to provide learners with hands-on experience in troubleshooting suboptimal performance in a converged network. Proficiency in troubleshooting internetworks is an integral part of the technical requirements for networking professionals. This lab-intensive course provides extensive opportunities to work hands-on with advanced internetworking configurations. Prerequisite: IST223 or Cisco Certified Network Associate (CCNA) Certification.

IST228 Network Implementation**2-2-3**

Network design and installation methods are utilized to plan and install horizontal layer and vertical backbone networks. Networks are designed, specified, and proposed using industry documentation and cost/performance analysis techniques. Students will implement their design to create an operational network, which is analyzed to prove the effectiveness of their plan, use installation equipment, materials, and standards. Pre/Corequisite: IST200 or equivalent competencies.

IST251 Windows Network Operating Systems Services**2-2-3**

Windows networking services including DHCP, DNS, WINS, remote access and security features are explored, installed, and configured in this strong laboratory experience course. The services are explored with respect to standard protocols and their impact on the operation of the network. Prerequisite: IST151 or equivalent competencies.

IST257 Windows Network Operating Systems Administration**2-2-3**

Managing mid-size and enterprise networks requires a full understanding of administration tools and procedures. This course utilizes Windows administration tools and services to manage enterprise network systems both locally and remotely. Prerequisite: IST251 or equivalent competencies.

IST262 Advanced Network Security**2-2-3**

This course in the IST Security track focuses on the overall security processes with a major emphasis on hands-on skills in the areas of secure perimeter, secure connectivity, security management, identity services, and intrusion detection. Specific labs include: data encryption technology, VPNs including L2TP, PPTP, GRE, and IKE, AAA Security, TACACS+, IPSec, Perimeter routers & advanced ACL/CBAC/PAM, TCP Intercept & Denial of Service attacks, NAT/PAT. Some knowledge of TCP/IP protocol is assumed. This course covers many of the Security+ Certification Domains of Knowledge. Prerequisite: IST 223 or equivalent competencies.

IST264 Configuring Cisco PIX Security Appliance**2-2-3**

This course in the IST Security track focuses on the configuration of the Cisco PIX Security Appliance, with a major emphasis on hands-on skills in the areas of secure perimeter, secure connectivity, security management, identity services, and intrusion detection. Specific labs include: basic configuration, DHCP server, NAT/PAT, conduits, multiple interfaces, advanced ACL/CBAC/PAM, object groups, AAA Security, CSACS, advanced protocols and intrusion detection systems, failover and system maintenance. Some knowledge of TCP/IP protocol is assumed. This course covers many of the Security+ Certification Domains of Knowledge. Prerequisite: IST 223 or equivalent competencies.

IST275 Network Protocols and Services**2-2-3**

Understanding network protocols and services is essential for a working with network systems. This course provides in depth coverage of key protocols and services that are key ingredients in network systems. A primary focus on TCP/IP will include explorations of other Layer 3 and 4 protocols including TCP/IP, IPX, SNMP and ICMP. Upper layer protocols such as HTTP, SMTP, Telnet and FTP will also be investigated. Pre/Corequisites: IST123 or IST113 or equivalent competencies.

IST281 Internship**1-8-3**

This capstone course will allow students to receive on-the-job experience at an off-site location related to their specific area of academic concentration. Students are required to work eight hours per week at paid/unpaid positions that meet the criteria established by the Internship Manual. A seminar meeting one period per week will review internship progress and discuss issues related to successful employment. Outside work and research concerning the weekly topic will be required. Prerequisite: completion of course work for the first three semesters of the student's program of study and approval of the Department Chair and/or Program Advisor.

IST291 IST Project**1-8-3**

The purpose of this experience is to provide qualified students the opportunity to pursue academic work outside the formal classroom setting. Independent Project is an ideal way for a student to specialize in a concentrated area within the Information System Technologies Department. In order to be eligible for this challenging opportunity, students must seek the approval of the Department Chair and work with a faculty advisor to set up a course of study. Students must submit an original project plan prior to acceptance.

MASS110 Massage Therapy I**3-4-5**

This course is designed to provide the student with the information necessary to learn the essential aspects of a full body Swedish massage. Emphasis will focus on physiological components applicable to massage therapy with instruction on massage strokes, technique, and appropriate practitioner body mechanics, as well as ethics, and scope of practice considerations. The lab component will emphasize proper therapist technique, theory and application of oils, lotions, creams and gels. Introduction to therapy room set up, draping techniques, massage strokes and routines as well as physical assessment, contraindications and proper record keeping procedures. Prior to registration, students must possess and maintain professional liability insurance (available through the College or through the American Massage Therapy Association. Prerequisite: Admission to the Massage Therapy Program; or by Permission of the Program Coordinator.

MASS111 Massage Anatomy & Physiology I**3-2-4**

This course is designed to give Massage Therapy students a thorough background in anatomy and physiology stressing the codependence of each system on the others for optimum function. Current in-depth information is presented on the structure and function of human cells, tissues, and organ systems including the skin, skeletal, muscular, nervous, and sensory systems. Laboratory work augments lecture topics and includes exercised in microscopy, the study of preserved specimens, exercised in human physiology and the use of student models to explore body orientation and planes, bony landmarks, etc. Prerequisite: Admission to the Massage Therapy Program and high school Biology of BIOL041; or by Permission of the Program Coordinator.

MASS112 Massage Anatomy & Physiology II**3-2-4**

A continuation of MASS111 Anatomy & Physiology I, this course includes in depth information of the structure and function of the endocrine, digestive, respiratory, blood, cardiovascular, urinary, and reproductive systems with discussions and demonstrations of how Massage Therapy may assist in ridding the body of toxins and stimulating hormones in these systems. Laboratory work augments lecture topics and includes exercises in microscopy, the study of fresh and preserves specimens, and physiological measurements on the human body. Prerequisites: Admission to the Massage Therapy Program and MASS111 (or BIOL110); or by Permission of the Program Coordinator.

MASS120 Massage Therapy II**3-4-5**

This course covers continued theory in support of client evaluation, treatment plan preparation, and introduction to the use of heat and cold modalities and a review of the theory of alternative modalities will be presented. Emphasis will be placed on the deeper muscles of the body and the relationship of stroke effects specific to the client will be addressed. The lab component will focus on the application of therapeutic technique to deeper tissues of the body, assessment of commonly encountered conditions and continued proficiency in the delivery of professional massage therapy. Prerequisite: Admission to the Massage Therapy Program and MASS110; or by Permission of the Program Coordinator.

MASS121 Business Development for Massage Therapy**2-0-2**

This basic business development course will assist the student in making educated career choices and decisions. Students develop a mission statement, define short and long term goals, write a professional cover letter, write a professional resume, develop a professional portfolio, practice interview skills, and prepare a self-marketing plan. This course will provide the knowledge base necessary to successfully apply for a position in the massage therapy field or establish a private practice. The student should be able to use these preparatory skills to facilitate the attainment of his/her career goals. Prerequisite: Admission to the Massage Therapy Program; or by Permission of the Program Coordinator.

MASS122 Ethics and Health Services Management**2-0-2**

This course will include discussions on personal and professional ethics as defined by the National Certification Board for Therapeutic Massage and Bodywork, as well as business ethics. Health Services Management deals with the fundamentals of establishing a successful practice and conducting the day to day operation of a successful Massage Therapy business based on the ethical considerations studied. Prerequisite: Admission to the Massage Therapy Program; or by Permission of the Program Coordinator.

MASS125 Clinical 1**0-3-1**

Clinical 1 is the first exposure the students have to a working clinical setting. They will learn the operations, policies and procedures of a massage clinic. In addition they will treat clients based on their scope of practice. Students will learn to develop SOAP charting and the art of the therapeutic conversation. Prerequisites: Admission to the Massage Therapy Program and MASS110 and MASS111 (or BIOL110); or by Permission of the Program Coordinator.

MASS130 Kinesiology I**3-2-4**

This course is an introduction to the science of muscles, body motions and biomechanics. Course concentration will include the biokinetics of structure, origin, insertion, and function with pathomechanical considerations. Emphasis will be placed on the movements of the head, neck, and face, upper and lower limbs. Laboratory investigations will concentrate on motions produced by these muscles using movement exercise. Students will develop proficiency with both static and motion palpation and muscle tracing with emphasis on muscles in a relaxed state and in motion. Prerequisites: Admission to the Massage Therapy Program and MASS111 (or BIOL110); or by Permission of the Program Coordinator.

MASS210 Massage Therapy III**3-4-5**

This course explores concepts related to traditional Chinese medicine and Eastern Bodywork modalities. Emphasis will be in support of treatment plans based on the Yin-yang theory, the Five Element Theory, the Meridian system and the concept of Qi. The lab component will explore a variety of Eastern techniques as well as provide review for techniques previously learned. Prerequisites: Admission to the Massage Therapy Program and MASS120; or by Permission of the Program Coordinator.

MASS220 Pathology**3-0-3**

Massage Therapy has been used for thousands of years to soothe the body and mind in clients who have active diseases and in those who do not. Pathology is a course designed to teach the massage therapist when it is safe to perform massage on individuals with specific diseases and when it is contraindicated due to the presence of the disease. Prerequisites: Admission to the Massage Therapy Program and MASS112 (or BIOL120); or by Permission of the Program Coordinator.

MASS230 Kinesiology II**2-3-3**

Course concentration will include the biokinetics of structure, origin, insertion, and function with continued pathomechanical considerations. Course emphasis will be on the muscles of the shoulder, chest, abdomen, pelvic girdle, back and the buttocks. Laboratory investigations will concentrate on the motions produced by these muscles using movement exercises and students will develop proficiency with both static and motion palpation. Students will continue their emphasis on muscle tracing with muscles in both a relaxed state and in motion. (Prerequisite MASS130 Kinesiology I)

MASS250 Related Modalities & Adjunct Therapy**3-0-3**

This course covers continued theory in support of client evaluation, treatment plan preparation, and introduction to Sports Massage, Hot Stone Therapy, Chair Massage, and Cranial –Sacral Therapy. It will cover an overview of approaches and alternative therapies that may be used as an adjunct to massage to achieve a desired result in therapy. This content may include but is not limited to Energy Modalities, spa therapies, and other alternative health modalities. (Prerequisite MASS210 Massage Therapy III)

MASS215 Clinical 2**0-3-1**

Clinical 2 is designed to provide the students an opportunity to practice the advanced skills learned in MASS120. They will continue to participate in the operations, policies and procedures of a massage clinic. In addition they will treat clients based on their current scope of practice. Students will further develop SOAP charting and the art of the therapeutic conversation. Prerequisites: Admission to the Massage Therapy Program and MASS120 and MASS112 (or BIOL120); or by Permission of the Program Coordinator.

MASS225 Advanced Clinical**0-9-3**

Advanced Clinical is designed to provide the students an opportunity to practice the advanced skills learned in MASS210 as they learn them. They will continue to participate in the operations, policies and procedures of a massage clinic. In addition they will treat clients based on their current scope of practice. Students will further develop SOAP charting and the art of the therapeutic conversation. Expectations are that of an entry level massage therapist. Prerequisites: Admission to the Massage Therapy Program and MASS125; or by Permission of the Program Coordinator.

MATH070 Developmental Mathematics**3-0-3**

The content of the course is designed to either review or to enhance the mastery of basic mathematical concepts and skills that are needed to successfully complete future courses in math. The inclusion of numerous real-data and real-world applications relating to everyday life or to other academic disciplines will enable the student to begin the development of a firm foundation of math facts and problem-solving skills. Calculators will not be used in this course until the very end of the term. Credits do not count toward graduation requirements.

MATH080 Developmental Algebra I**3-0-3**

This course is for the student who possesses an adequate background in basic math concepts and skills, but who has never taken an algebra course or who needs a refresher course. Topics covered are operations with signed numbers; algebraic expressions; linear equations/inequalities; exponents; square roots; understanding and manipulating formulas; translating and solving word problems; interpreting/analyzing data, and basic graphing techniques; and applications of all skills. Credits do not count toward graduation requirements. Prerequisite: C or better in MATH 070 or placement test.

MATH090 Developmental Algebra II**3-0-3**

MATH090 is a course meant to be taken by students who are not yet prepared for a course in advanced algebra and trigonometry. The course helps students further develop a knowledge foundation of basic algebraic concepts that are required to solve problems in all programs of study available at the college. The algebra topics offered are signed numbers, polynomial operations, solutions of linear equations and inequalities involving numerical and literal terms, factoring polynomials, word problems, formula manipulation, graphing linear equations, systems of linear equations and solution of equations by factoring or the quadratic formula. Credits do not count toward graduation requirements. Prerequisite: C or better in MATH 080 or satisfactory placement test scores.

MATH145 Topics in Applied College Mathematics**4-0-4**

This course focuses on quantitative thinking with real-world applications. Some topics covered are logic, number theory, number systems, algebra with applications, finance with simple and compound interest, geometry and measurement, probability and statistics, set theory, and graph theory. Prerequisites: Satisfactory placement test scores as defined by the mathematics faculty or successful completion (grade of C or better) of MATH131 or MATH090.

MATH150 College Algebra**4-0-4**

This course prepares the student for higher-level mathematics. Some topics covered are factoring, rational exponents, solving linear and quadratic equations, geometry, matrix algebra, logarithmic functions, and exponential functions. This course also prepares the student for higher-level mathematics through the use of Trigonometry. Some topics include the right triangle trigonometry, solving oblique triangles, graphing, applications, identities and formulas, vectors, law of sines, and law of cosines. Prerequisite: Satisfactory placement test scores as defined by mathematics faculty or successful completion (grade of C or better) of MATH 131 or MATH090.

MATH210 Pre-Calculus**4-0-4**

This course covers the following topics: functions, relations, graphs, domain and range, composition of functions, inverse functions; exponential and logarithmic functions and expressions; trigonometric functions; fractions, roots and radicals; complex numbers; and the conic sections. Other topics to be investigated include topics in algebra, geometry, and trigonometry. Prerequisite: Satisfactory placement test scores as defined by the mathematics faculty or MATH150 (grade of "C" or better).

MATH215 Finite Mathematics**4-0-4**

This course begins with a review of linear equations, inequalities and systems of equations emphasizing graphing methods. Topics include matrices, linear programming, sets, and introduction to probability, the mathematics of finance, and the simplex method. Prerequisites: successful completion (grade of C or better) of MATH150; satisfactory placement scores as defined by mathematics faculty.

MATH225 Probability and Statistics**4-0-4**

Topics include basic measures of central tendency and variability; frequency distributions; probability; the binomial distribution; the normal distribution; sampling or distributions; estimation of parameters; hypothesis testing; non-parametric tests; simple regression and correlation. Prerequisites: satisfactory placement scores as defined by the mathematics faculty or successful completion (grade of C or better) of MATH145 or higher.

MATH230 Calculus I**4-0-4**

Calculus I is a first calculus course that is designed to explore functions, limits, continuity, derivatives; rules for differentiating algebraic, trigonometric, exponential and logarithmic functions; chain rule; implicit differentiation; related rate problems; max-min problems; curve sketching; integrals, areas and volumes. Prerequisite: MATH210 with a grade of C or better.

MATH250 Calculus II**4-0-4**

This is a second course in calculus. Topics to be investigated include area, volume, arc length, surface area, pressure force; integration of trigonometric, exponential and logarithmic functions; differentiation and integration of inverse trigonometric and hyperbolic functions; methods of integration; improper integration; infinite series, Taylor and Maclaurin series; and polar coordinates. Prerequisite: MATH230 with a grade of C or better.

MKTG125 Principles of Marketing**3-0-3**

This is an introductory course designed to present an overview of the complete range of marketing activities and the role of marketing in the American and international economic and social structure. The components of an organization's strategic marketing program including how to plan, price, promote, and distribute products, goods, services, ideas, people, and places will be explored.

MKTG135 Consumer Behavior**3-0-3**

An in-depth analysis of the internal and external forces in the consumer decision-making process as it relates to marketing. Areas of study include consumer reaction, personal selling, product positioning, brand loyalty, and image management. Applications in non-profit and government areas are also discussed. Prerequisite: MKTG125.

MKTG205 International Marketing**3-0-3**

This course analyzes the decision-making process in marketing products, goods, and services internationally. The focus will be on the design of international marketing strategies (identification of potential markets, and product, price, promotion, and distribution decisions) within the global constraints of a particular cultural, economic and political setting. Prerequisite: MKTG125.

MKTG210 Advertising**3-0-3**

This course will cover the development, planning, implementation, and evaluation of an advertising campaign. A primary focus will be on the development and planning of creative and media strategies. Also examined will be the dynamic changes taking place with regard to electronic media and advertising's role in the marketing of products, goods, and services. Prerequisite: MKTG125.

MKTG224 Sales and Sales Management**3-0-3**

This course will focus on the dynamic changes taking place in sales and sales management. Critical areas of sales organizations will be examined: building long-term relationships with customers; creating sales organizations that are more nimble and adaptive to the changing customer base; gaining greater job ownership and commitment from sales personnel; shifting sales management style from commanding to coaching; leveraging available technology for sales success; and better integrating salesperson performance to incorporate the full range of activities and outcomes relevant within sales jobs today. Case method will be employed. Prerequisite: MKTG125

MOAA120 Medical Office Administration**3-0-3**

Medical Office Administration will teach the student to succeed in today's medical front office by learning the principles of medical office administration and how to apply factual knowledge to the many complex scenarios that may arise in the medical office environment. Emphasis will be on communication skills, ethical and legal issues, paper and electronic medical records, banking procedures and the revenue cycle. Prerequisite: Admission to the Medical Office Administrative Assistant Program.

MOAA130 Medical Coding 1**3-0-3**

Medical Coding 1 focuses on the evaluation and management, the medicine section and also ICD-9-CM diagnosis coding aspects of coding for medical office setting. The students will be required to apply their knowledge of medical terminology to interpret and abstract pertinent data needed to accurately code the evaluation and management portion of an office or hospital visit to optimize insurance reimbursement. CPT and ICD-9-CM manuals will be explained and utilized extensively. Prerequisite: AH110 and Admission to the Medical Office Administrative Assistant Program.

MOAA210 Medical Coding 2**3-0-3**

This coding course focuses on surgical procedures, with individual emphasis on each of the body systems, radiology, pathology and behavioral medicine. Special attention will be paid to the use of modifiers for definitive CPT, HCPCs as well as ICD-9 diagnosis coding. Students will continue to interpret and abstract data from simulated and actual case studies. Prerequisites: C or better in MOAA130 (or MCOD130) and AH112.

MOAA212 Medical Insurance Billing**3-0-3**

The Medical Insurance Billing course focuses on the data entry of patient demographics, insurance information, ICD-9-CM, CPT, and NCCPs codes to properly complete the health insurance claim form for submission to the insurance carriers and facilitate prompt payment. The course will also address the legal and ethical issues involved in the field of health information management including HIPAA and OIG regulations. Prereq: MOAA210 (or MCOD210) and CIS110.

NATR100 Natural Resources Stewardship**3-2-4**

This course focuses on New Hampshire's natural resources and the relationship between healthy ecosystems and healthy communities. Specialists from the field will engage students to focus on particular aspects of NH's natural resources and history. The course emphasizes hands-on, experiential learning in both outdoor and classroom settings and offers techniques for applying scientific and horticultural skills in real-world service learning projects. Students will gain an understanding of stewardship from awareness to activism, across topics that include native plant identification, ecological landscaping, sustainable living, NH's wildlife and their habitats. They will also acquire skills in presentation, public outreach and local government access. (Will not fulfill science elective requirements.) This is a Service Learning Course (SL).

NURS111 Nursing I**6-9-9**

Students learn the roles of the Associate Degree Nurse as a provider and manager of care and a member of the discipline of nursing. Students develop beginning intellectual, interpersonal, and psychomotor competencies to assess well clients and clients with common actual or possible health problems. The roles of the nurse, communication theory, life-span development, ethical legal standards, and nursing process are basic concepts to the practice of nursing for the Associate Degree Nurse. Students are introduced to the concept that the person is a system in dynamic interaction with the internal and external environments. The eleven Functional Health Patterns organize the study of concepts common to a basic knowledge of the client's state of wellness and possible or actual health problems. The Learning Laboratory provides opportunities to practice nursing skills in simulated activities. Clinical Learning provides experiences to practice nursing by caring for well clients or clients with common basic health problems in protected favorable environments such as nursing homes, rehabilitation and transitional care facilities. Corequisites: BIOL110 and PSYC110.

NURS112 Nursing II**4-15-9**

The student develops competence to provide and manage care for clients and their families in protected favorable environments. The student provides support and teaching to the client and family and direct care for the client. The scope of the course includes the Functional Health Patterns of Sexuality - Reproductive; Role - Relationships; Nutrition - Metabolic; Health Perception, Health Management; and Activity Exercise (part I). Intellectual, interpersonal, and psychomotor competencies are further developed. Needs of clients across the life span are emphasized with special focus on adult and children in childbearing families. The student will plan to care for the client/family by utilizing the assessment database. Direct care will be provided to clients with common health problems. Laboratory Learning provides opportunities to practice more complex nursing skills in simulated activities. Clinical Learning experiences are provided for the student in perinatal/pediatric or psychiatric/mental health, and adult health care settings. Prerequisites: Both NURS111 and BIOL110 with grades of "C+" or better, PSYC110. Corequisites: BIOL120 and PSYC210.

NURS200 Advanced Placement Seminar**3-0-3**

This course provides a brief review of the following: students learn the roles of the Associate Degree Nurse as a provider and manager of care and member of the discipline of nursing. Students develop intellectual, interpersonal and psychomotor competencies to assess clients with common actual or possible alterations in health. The roles of the nurse, interpersonal relationship, life-span development, ethical legal standards, and nursing process are basic concepts to the practice of nursing for the Associate Degree Nurse. The eleven Functional Health Patterns organize the study of concepts common to a basic knowledge of the client's state of wellness and possible or actual alterations in health. Assessment and review of first level clinical skills will be covered in this course. The Learning Laboratory provides opportunities to practice nursing skills in simulated activities. Prerequisites: successful completion of Excelsior College: Essentials of Nursing Care: exams #'s 488, 489 and 490, BIOL110 and BIOL120 with a "C+" or better, PSYC110, PSYC210 and permission of nursing faculty.

NURS211 Nursing III**4-15-9**

The student develops competence to provide and manage care for clients and their families across the life span with common health problems. The student provides support and teaching to the client and family and direct care for the client. The scope of the course includes the Functional Health Patterns: Activity Exercise (part II); Elimination; Cognitive - Perceptual; Self - Perception; Coping-Stress Tolerance; and Value- Belief. Intellectual, interpersonal and psychomotor competencies are further developed. Laboratory Learning provides opportunities to practice increasingly complex nursing skills and basic group skills. Clinical Learning experiences are held in structured adult and psychiatric/mental health or perinatal/pediatrics care settings. Prerequisites: Both NURS112 and BIOL120 with grades of "C+" or better, as well as completion of all other first level courses per the Nursing program, and FYE101. Corequisites: BIOL210 and ENGL110.

NURS212 Nursing IV**3-18-9**

The student develops increased competence and independence to provide and manage care for clients and families with common multisystem health problems across the life span. Nursing content includes the Functional Health Patterns of Coping- Stress; Activity-Exercise; Health Perception-Health Management; Self Perception; Role Relationships; and Cognitive -Perceptual. Additional course content includes leadership skills, health care policy and legislative advocacy. The student selects a Clinical Learning experience from predetermined, faculty-supervised structured health care settings. Laboratory Learning focuses on case presentations involving common, multisystem health problems, ethical decision making, and health care trends. Clinical Learning experiences are provided for the student in advanced medical surgical nursing settings and community health. Prerequisites: Both NURS211 and BIOL210 with grades of "C+" or better, and ENGL110.

PHIL110 Introduction to Philosophy**3-0-3**

In this course, students will be introduced to the important ideas in Western philosophy. The course will emphasize the Greek origins of philosophy, the transformation of philosophy by Enlightenment thought in the 17th and 18th centuries, and the postmodern reaction to Enlightenment thought. The course will relate philosophical ideas to contemporary issues. (Fulfills Humanities requirement.)

PHIL215 World Religions**3-0-3**

The course is an introduction to the major religions of the world. The origins, core beliefs, traditions, and practices will be discussed. The purpose of the course is to understand and appreciate the various religious theories and practices by focusing on key texts, figures and ideas. The approach will strive to be descriptive, not prescriptive. Students will gain initial exposure to the structure and world-view of the religions covered: Christianity, Islam, Judaism, Hinduism and Buddhism. Additional religions may also be included based on instructor and student interest (African, Native American and new wave, Taoism, Confucianism, Baha'i, Zoroastrianism, Sikhism, etc.). (Fulfills Humanities requirement.)

PHIL240 Ethics**3-0-3**

This course is designed to introduce students to general ethical theories, philosophies and decision-making models. The goal of the course is to relate theory to practice. Throughout the course, this general knowledge will be applied to specific problems and cases. Applications may include general ethical issues and more career-specific issues determined by student interest. (Fulfills Humanities requirement.)

PHOT110 Photonics**3-2-4**

Photonics is the practical application of light and optics. Explore the nature of light – light sources, propagation, reflection, refraction and diffraction. Investigate image formation, the nature of waves, and the wavelike behavior of light. The course uses hands-on labs as well as group projects supplemented by lecture and discussion. Example applications of photonics in medicine, transportation, manufacturing, communications, environmental monitoring, and consumer devices are presented. Labs include studies in ray optics and wave optics.

PHYS135 College Physics I**3-3-4**

This course is an introduction to the basic principles of Newtonian mechanics with emphasis on the application of these principles when solving problems. Topics to be covered include kinematics of motion, vectors, Newton's laws, friction, work energy, impulse-momentum for both translational and rotational motion, and the mechanical properties of matter. Dimensional (unit) analysis and critical thinking are stressed. Prerequisite: "C" or better in MATH150 or equivalent.

PHYS136 College Physics II**3-3-4**

This course is a continuation of the study of elementary physics that began in College Physics I. Special emphasis is placed on the principles introduced when solving problems. Topics to be investigated include the fundamentals and the applications of Coulomb's Law, electrical fields and potentials, capacitance, electric current and resistance, DC circuits, magnetism, electromagnetic induction, AC circuits, oscillating systems and waves, and geometric optics. Prerequisite: "C" or better in MATH210 or equivalent and PHYS135.

PHYS290 University Physics I**3-2-4**

This course is an introduction to the basic principles of physics including motion in one and two dimensions, force, statics, translational and rotational equilibrium, work, energy, power, and mechanical properties of matter. Dimensional (unit) analysis and critical thinking are stressed. Prerequisite: Grade of "C" or better in MATH230 or equivalent.

PHYS295 University Physics II**3-2-4**

This course is a continuation of University Physics I, investigating the fundamental properties of solids, liquids, simple harmonic motion, mechanical waves, energy transfer, electromagnetic waves, field theory, heat, temperature, temperature effects on solids and fluids, heat transfer, geometric optics, and electricity. Special emphasis is placed on problem-solving skills, developing solutions based on the application of integration, polar coordinates and series to the solution of realistic problems. Dimensional (unit) analysis and critical thinking are stressed. Prerequisite: Grade of "C" or better in PHYS290.

POL110 American Government**3-0-3**

This course provides a functional approach to the study of American government on the national, state, and local level. The structure, functions, operations, and problems of the American system will be explored in lectures, discussions, readings, and papers. (Fulfills Social Science requirement.)

POL210 Introduction to Political Science**3-0-3**

This course is an introduction to the field of political science. Political ideologies, nationalism, cultures, and institutions will be discussed. Public opinion, political parties, interest groups, and voting behavior will also be covered. Throughout the course, the concepts of power and legitimacy, elitism and pluralism will guide discussion. American and comparative examples will be utilized. (Fulfills Social Science requirement.)

POL220 Public Administration**3-0-3**

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. (Fulfills Social Science requirement.)

PSYC110 Introduction to Psychology**3-0-3**

This course is an introduction to various areas of psychology, including scientific investigation and leading theories. Topics include, but are not limited to: motivation, emotions, personality, physiological foundations of behavior, psychological disorders and therapy, perception, learning, and human development. (Fulfills Social Science requirement.)

PSYC120 Leadership Development**3-0-3**

This course provides a study of leadership and the skills manifest in effective leaders. Topics include articulating a vision, goal setting, decision making, managing time, team building, empowering others, initiating change, managing conflict, applying ethics, and serving as a leader. This course provides the opportunity for students to develop a personal leadership philosophy, as well as essential leadership skills, through study, observation, and application. Prerequisite: ENGL110. (Fulfills Social Science requirement.)

PSYC205 Crisis Intervention**3-0-3**

This course focuses on crisis theory methods of crisis intervention, and specific crises that occur with individuals and families such as suicide, unemployment, criminal victimization, natural disasters, illness, divorce, and death. Prerequisite: PSYC110. (Fulfills Social Science requirement.)

PSYC210 Human Growth and Development**3-0-3**

This course is a study of psychological implications for the growth and development of humans with a specific emphasis on the physical, cognitive, social, emotional, and ethical dimensions during the prenatal period through later adulthood. A review of, and an introduction to, major theorists is presented on a continuing basis throughout the course. Prerequisite: PSYC110. (Fulfills Social Science requirement.)

PSYC215 Abnormal Psychology**3-0-3**

This course provides a comprehensive overview of the field of abnormal psychology and mental illness from a biopsychosocial perspective. Focus will be on the complexities and consequences of labeling as well as the diagnostic techniques and research methods used. Contemporary approaches to psychological and biological interventions will be introduced. Prerequisite: PSYC110. (Fulfills Social Science requirement.)

PSYC230 Educational Psychology**3-0-3**

This course reviews the application of psychological principles to the educational environment. Theories of cognitive processes and development, learning, and social and moral development are discussed as they apply to learning and teaching. Issues involving assessment, classroom management, individual differences, and socioeconomic and developmental influences on learning are also presented. Application of theoretical perspectives to classroom teaching will be emphasized. Prerequisite: PSYC110. (Fulfills Social Science requirement.)

PSYC235 Health Psychology**3-0-3**

This course focuses on health empowerment coping styles of resiliency and characteristics of invulnerability. It is designed to meet the needs of professionals, significant others, and individuals themselves who are attempting to affect the quality of life outcomes of addiction, trauma, long-term stressors, and/or disease. This course brings awareness of factors and behavioral methods which facilitate a resilient, thrive mode of quality of life that is very different in nature and practice from that of the coping style of psychosocial survival. Prerequisite: PSYC 110. (Fulfills Social Science requirement.)

SOC110 Sociology**3-0-3**

This course will provide an introduction to the concepts and principles of sociology. The basic social units of society and how they interact are studied in order to understand and appreciate the contributions of sociology to the field of social behavior. Social changes and its causes and effects will also be addressed. (Fulfills Social Science requirement.)

SOC120 Society and Technological Change**3-0-3**

This course is a study of the relationship between technology and humankind and the attempt to link, decipher and evaluate technological systems to all human life and to prove that all of them are interrelated. (Fulfills Social Science requirement.)

SOC135 Women's Studies**3-0-3**

The emphasis of the course focuses on an introduction to the development, education, and work of women. Within the framework, Workforce 2000, ethics and self-esteem are discussed. Gender discrimination and changing roles will be examined through the context of the major themes. (Fulfills Social Science requirement.)

SOC250 Multi Ethnic Cross-Cultural Relations**3-0-3**

This course is designed to introduce students to ethnic and cross-cultural differences in the norms, values, perceptions, and behaviors as they impact personal lives in interpersonal skills. Introducing students to these differences will facilitate communication and cooperation within relationships where the participants come from very different backgrounds and/or ethnic cultures. This course is appropriate and will serve as an elective for professionals and paraprofessionals in business, human services, nursing, early childhood education, gerontology, and criminal justice. (Fulfills Social Science requirement.)

SPAN110 Spanish I**4-0-4**

This course is a fully integrated, introductory Spanish course. The course is designed for beginning Spanish students with little or no prior knowledge of Spanish. It is directed to students whose learning objectives and needs are in any of the following categories: for Spanish-language students, for business purposes, as well as for travelers. The emphasis is to develop a proficiency in basic communicative skills concentrating on the dynamic application of the living language taught through dialogue, phonetics, and vocabulary. A strong grammar foundation and other basic language skills are taught through actual phrases and sentences helping the student develop an instinctive sense of the correct usage. Language laboratory activities are part of the course reinforcing class content. These objectives will be achieved through the following approaches: speaking, listening, reading, writing, and cultural appreciation. (Fulfills Foreign Language requirement.)

SPAN120 Spanish II**4-0-4**

This course is a continuation of the introductory Spanish course. For students who have had the equivalent of one year of high-school Spanish or one semester of college Spanish. The course is designed for students whose learning objectives and needs are in any of the following categories: for Spanish- language students, for business purposes, as well as for travelers. The emphasis is to consolidate and reinforce the language skills acquired in Spanish I, or equivalent, and to continue building communicative skills and cultural competency. The course continues to offer a comprehensive review of basic first-term grammar structures, while developing proficiency and advancement in communicative skills concentrating on the dynamic application of the living language taught through dialogue, phonetics, and vocabulary. A strong grammar foundation and other essential language skills are taught through actual phrases and sentences, helping the student develop an instinctive sense of the correct usage. Language laboratory activities are part of the course reinforcing class content. These objectives will be achieved through the following approaches: speaking, listening, reading, writing, and culture. Prerequisite: SPAN110 or equivalent. (Fulfills Foreign Language requirement.)

SURG114 Introduction to Surgical Technology Fundamentals**6-3-7**

The first part of this course focuses on the role of the sterile team member in the operating room setting. This includes sterile and aseptic technique and the competency objectives for the surgical technologist in the scrub role. The second part instructs the student on the role of the unsterile team members care of the surgical patient and related surgical care concepts. Co-requisites: AH110, BIOL110, SURG115, and MATH 145.

SURG115 Basic Instrumentation, Supplies and Equipment**0-3-1**

Overview of instruments, supplies and equipment, used in the operating room and specifically for General, Obstetrics and Gynecology, Genitourinary and Plastic Surgery. Course includes instrument classifications, assembly and safe use, care and cleaning. Suture, mechanical stapling devices and other methods of hemostasis along with supplies and equipment will be discussed. Potential hazards will be explained. Co-requisite: SURG 114.

SURG 116 Advanced Instrumentation, Supplies and Equipment**0-3-1**

A continuation of instruments, supplies and equipment used in the operating room and specifically for patient surgery. Course includes instrument classifications, assembly and safe use, care and cleaning for Ophthalmology, Otorhinolaryngology, Orthopedics, Neurological, Cardiothoracic, Peripheral Vascular Surgeries. Potential hazards will be explained. Prerequisites: SURG 115 Basic Instruments, Supplies and Equipment. Co-requisite: SURG 120 Surgical Procedures I.

SURG120 Surgical Procedures I**3-3-4**

This course builds on information acquired in the Freshman Fall and Spring Semester course work. Surgical procedures are studied in a unit-by-unit basis according to surgical categories. Students are expected to research and review anatomy for each unit. Emphasis is placed on variations of principles as applied to surgery in different body parts, detailed study of instrumentation, and the technologist's role in each procedure. Pharmacology/drugs related to specialties will also be addressed. Prerequisites: C or better in BIOL110, AH110, MATH145 and SURG114. Corequisite: SURG116.

SURG123 Orientation to Surgical Clinical**0-40-2**

Orientation to Surgical Clinical is a continuous correlation of theoretical content and clinical performance. The student is expected to focus clinical performances with corresponding units covered in SURG 120 Surgical Procedures I. Forty hours are spent for two weeks in assigned clinical areas. The student is expected to document learning experiences on a daily basis utilizing a journal, their Surgical Case Logs, Preceptor Evaluations and Case Study Reports. Prerequisites: SURG120 and BIOL 120.

SURG210 Surgical Procedures II**3-0-3**

This course builds on information acquired during the Spring Semester Surgical Clinical I. Surgical procedures are studied in a unit-by-unit basis according to surgical categories and patient populations. Students are expected to research and review anatomy for each unit. Emphasis is placed on variations of principles as applied to surgery in different body parts, detailed study of instrumentation, and the technologist's role in each procedure. Pharmacology/drugs related to specialties will also be addressed. Prerequisite: Pass in SURG123. Co-requisite: SURG215.

SURG215 Surgical Clinical I**0-24-8**

Surgical Clinical I is a continuous correlation of theoretical content and clinical performance. The student is expected to concentrate clinical performances with corresponding units covered in Surgical Procedures I, SURG120. Twenty-four hours are spent each week in assigned clinical areas. The student is expected to document learning experiences on a daily basis utilizing a journal, their Surgical Case Logs, Preceptor Evaluations and Case Study Reports. Prerequisites: Pass in SURG123, and C or better in both BIOL110 and BIOL120.

SURG224 Surgical Procedures III/Special Considerations in Surgery**4-0-4**

A continuation of Surgical Procedures II. Students complete the theory portion of their clinical specialties with management of emergency situations, biotechnical science, physics, robotics, laser and other current technologies, resume writing and tips for a successful job interview. Prerequisite: SURG 210 and SURG215. Co-requisite: SURG225.

SURG225 Surgical Clinical II**0-24-8**

Surgical Clinical II is a continuous correlation of theoretical content and clinical performance. The student is expected to concentrate clinical performances with corresponding units covered in Surgical Procedures II, SURG210. Twenty-four hours are spent each week in assigned clinical areas. The student is expected to document learning experiences on a daily basis utilizing a journal, their Surgical Case Logs, Preceptor Evaluations and Case Study Reports. Prerequisite: SURG215.

VETN110 Introduction to Veterinary Technology**3-0-3**

This course will introduce the student to the field of Veterinary Technology. Animal behavior, species and breed identification, medical terminology and occupational safety will be covered. In addition, students will get an overview of managing the reception area of a veterinary hospital including how to maintain medical records, organize inventory and dispense prescriptions. Handling various customer situations will be emphasized. Ethical and legal issues in veterinary medicine will also be discussed. This course will include lecture material, class discussions, student presentations. Prerequisite: Admission into the Veterinary Technology Program.

VETN112 Computer Applications in Veterinary Medicine**1-0-1**

Students will use a fully integrated, hands-on approach to understand the use of computer technology in the Veterinary setting. Students will gain proficiency in the Windows operating system environment, and learn the elements of Veterinary application software. Students will also explore software applications relevant to veterinary practice including word processing, spreadsheets, and presentation software. Students will explore various facets of the Internet as used in veterinary practice for research, client education and information. Prerequisite: Admission to the Veterinary Technology Program.

VETN114 Veterinary Pharmacology**2-0-2**

This course will cover basic pharmacology for the veterinary technician with focus in private practice. It will cover basic classes of drugs with an emphasis on pharmacodynamics, client education, side effects and dosage calculations. Prerequisites: BIOL111 and VETN110. Corequisites: BIOL121 and VETN121

VETN121 Veterinary Clinical Methods I**3-3-4**

In this course, small animal medical nursing procedures are introduced. Elements include restraint, aspects of the history and physical exam, specimen collection, administration of medications and treatments, diseases, nutritional supplementation, and the basics of preventative health care. The lab provides hands-on practice using models and the animal patient. This course will provide the foundation by which students will progress to their summer clinical affiliations. Prerequisites: VETN110, BIOL111 Corequisite: BIOL121.

VETN130 Veterinary Clinical Affiliation I**0-24-4**

This eight-week summer session provides students with supervised hands-on work experience with live animals in selected clinical settings. Following sequential steps from basic to complex, learners build correlation of theoretical content to clinical performance. Prerequisites: "C-" or better in VETN110, VETN112, VETN114, VETN121, BIOL111, BIOL121.

VETN210 Veterinary Clinical Methods II**2-3-3**

This course is designed to provide the student with a strong background in veterinary surgical nursing and assistance. Surgical interventions, as well as sterilization, disinfection, and aseptic technique are covered. Anesthesia and monitoring the surgical patient is emphasized. Specialized clinical procedures are also covered that build on techniques learned during VETN121 and the student's clinical affiliation. Prerequisite: VETN130.

VETN212 Laboratory Animal Science**2-2-3**

This course provides students with an understanding of the principles and practices of laboratory animal science. Research methods, care and handling of laboratory animals, and legal regulations pertaining to animal welfare and research procedures are incorporated. Students also become familiar with handling, basic care, and diseases of the popular small pets including guinea pigs, rabbits, ferrets, hamsters, birds and reptiles. Prerequisite: VETN130.

VETN215 Large Animal Management**2-2-3**

This course is designed to familiarize the student with the care, handling, and restraint of large animals commonly encountered in veterinary practice. Preventive medicine, nutritional requirements, injury and wound care, and common medical and surgical interventions in the care of equine, dairy, and other large animals are explored. Laboratory sessions provide hands-on opportunities at local dairy and horse farms. Prerequisite: VETN130.

VETN220 Veterinary Clinical Pathology I**2-3-3**

An overview of the study of disease processes as well as veterinary diagnostic tests and laboratory technique will be provided in this course. Hands-on laboratory experience is gained in areas of, hematology, parasitology and urinalysis and cytology. Prerequisite: VETN130, CHEM110 (or CHEM115); or permission of the Instructor.

VETN221 Veterinary Clinical Pathology II**2-3-3**

This course is a continuation of VETN220. The student will continue to develop skills utilized in the veterinary clinical laboratory. Elements of clinical microbiology, cytology, and specialized diagnostic tests are covered. Laboratory sessions focus on clinical microbiology, but also offer exposure to serology, cytology, and necropsy. Prerequisite: VETN220.

VETN222 Veterinary Clinical Affiliation II**0-18-6**

This course is a continuation of VETN130, Clinical Affiliation I. The objective of this course is to provide the student with practical application and hands-on experience of procedures learned in VETN210 and VETN220. This course provides supervised clinical experiences in which the learner can incorporate and build upon knowledge and increase skills and self confidence in the veterinary technician role. Students are expected to select, contact and interview with their potential clinical site before the start of the semester. Prerequisite: "C-" or better in VETN210, VETN212, VETN215, VETN220

VETN 224 Veterinary Diagnostic Imaging**1-2-2**

This course will provide the student with an in-depth study and hands-on practice in veterinary medical radiology including radiographic exposure techniques, both traditional and digital, film processing and contrast radiography. In addition, the fields of ultrasound, CT and MRI, as used in veterinary medicine, will be introduced. Prerequisite: VETN130.

VETN225 Veterinary Business Law**3-0-3**

This course is a business law course focused on legal and ethical issues of interest to a veterinary practice. Areas of law to be considered will be Veterinary Practice Acts, controlled substance and other pharmaceutical laws, Veterinary client patient relationships, contracts and employment law. Students will be able to utilize case studies and briefs to enhance their working knowledge of these topics. Prerequisite: Admission to the Veterinary Technology Program and VETN110.



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Rebecca Potter
Running Start Coordinator
B.A., Hope College

Catherine Tuttle
Administrative Secretary to VP of Academic
Affairs
A.S., Great Bay Community College
B.S., Granite State College

Amy VanMeter
Executive Secretary to VP of Academic
Services
A.S., McIntosh College

ADVISING CENTER

Beth Velletri
Counselor-Coordinator of Advising
Advising Center
B.S., Frostburg State University

Margaret Duffy-Durkin
Counselor-Advising Center
B.A., University of New Hampshire; Secondary
Certification, Salem State College;
M.S., University of Southern Maine

Kathy Yazinka
Counselor – Advising Center
A.S., Middlesex Community College
B.S., Daniel Webster College
M.Ed., University of New Hampshire

BUSINESS AND TRAINING CENTER

Lin Tamulonis
Associate Vice President of Corporate
and Community Education
B.A. and M.Ed., University of New
Hampshire

Christopher Lawrence
Director, Community Education
A.S., NHCTC/Stratham;
B.A., St. Bonaventure University;
M.S., Canisius College

Jennifer Scotland
Program Assistant
B.A., Colby College

Neal Stone
Training & Development Manager
(PNSY)
B.S., Lowell Technological Institute;
M.B.A., Babson College

Lynn Durgin
Instructor, START Hospitality Program
B.S., University of Rhode Island;
M.O.E., University of New Hampshire

BUSINESS OFFICE

Joanne Berry
Chief Financial Officer
A.S., NHCTC/Stratham
B.S., Franklin University

Raymond Biondi
Accountant
A.S., McIntosh College;
B.S., New England College

Robert Busso, Jr.
Stock Clerk III
A.S., NHCTC/Stratham

Jenifer Gervais
Account Services Representative
B.A., University of Maine at Presque Isle

Diane Johnson
Senior Accounting Technician

Joan Montini
Accounting Technician

Andrew Savage
Account Services Representative
B.A., Saint Anselm College;
M.S., Southern NH University

CENTER FOR ACADEMIC PLANNING AND SUPPORT

Sharon Cronin
Director
B.A., Colgate University;
M.S., State University of New York at Albany

Erica Brown
Career-Transfer Coordinator
B.A., University of New Hampshire; M.A. and
M.Ed., University of New Hampshire

Carol Despres
Developmental Services Coordinator
B.A., University of New Hampshire; M.S.,
California State University of Fullerton

Diana Varga
ESOL-International Coordinator
Non Traditional Student Services
B.A., University of New Hampshire

Theresa Varney
Disability Services Coordinator
B.S., University of Massachusetts;
M.Ed., University of Massachusetts

Megan Wilson
Teacher Assistant
B.A., University of New Hampshire

Tracy Young
CAPS Program Assistant
A.S., NHCTC/Stratham

INFORMATION TECHNOLOGY

David Smith
IT Director
A.S., NHCTC/Stratham

Lee Kenyon
Technical Support Specialist
A.S., NHCTC/Stratham

Edmond Mayrand
Technical Support Specialist
A.A., University of New Hampshire;
A.A.S., NHCTC/Stratham;
B.S., Granite State College

Geoffrey Stone
Technical Support Specialist

LIBRARY

Rebecca J. Clerkin
Director of Library and Media Services
B.A. and M.S., Simmons College

Laura Horwood-Benton
Librarian
B.A., State University of NY at Geneseo
M.L.I.S., Simmons College

Chelsea Jessee
Library Aide
A.A., Great Bay Community College

Joseph Mayo
Library Technician
B.A., St. Thomas University

MAINTENANCE

Stephen Davis
Plant Maintenance Engineer
A.A.S., NHCTC-Manchester

James E. Cummings
Building Service Worker

David Eldridge
Building & Grounds Utility Person

Tom McCawley
Maintenance Mechanic

Tom Mears
Building Service Worker

PRESIDENT'S OFFICE

Will Arvelo
President
B.A., and M.S., University of Massachusetts

Laura Mitchell
Administrative Assistant to the
President
B.A., Greensboro College

Mary Williams
Human Resource Coordinator
A.A.S., NHCTC/Stratham

STUDENT AND COMMUNITY SERVICES

Bruce Baker, Ph.D.
Vice President of Enrollment
Management and Student Services
B.S., University of Massachusetts;
M.S., Northeastern University;
Ph.D., Boston College

Lauren Hughes
Associate Vice President of Enrollment
Services
B.A., Franklin Pierce College

Timothy Dubuque
Banner Database Coordinator
B.S., University of New Hampshire;
M.Ed., Lesley College

Michael Fischer
Director of Student Life
B.S., Springfield College;
M.A., Kaplan University

Marcus Mann
Evening/Weekend Supervisor
B.S., Pennsylvania State University
M.B.A., Southern New Hampshire University

Connie Warren
Day Receptionist

ADMISSIONS OFFICE

Natalie Girouard
Admissions Representative
B.A., Keene State College

Debra W. Westrick
Admissions Secretary

COLLEGE SERVICES ONE STOP

Debra Lancaster
College Services One Stop Coordinator
A.S., NHCTC/Stratham

Carol Frey
College Services Representative

C. Richard Harris
College Services Representative
A.A., Great Bay Community College

Sofia Wise
College Services Representative
A.S., Hesser College
B.A., New York University

FINANCIAL AID OFFICE

Elizabeth Hamlin
Financial Aid Director
B.A., Regis College;
M.Ed., Antioch-New England

Elaine Hersey
Financial Aid Assistant
A.A., NHCTC/Stratham

Lisa Howe
Financial Aid Assistant

MARKETING-PUBLIC RELATIONS/ CREATIVE SERVICES DEPARTMENT

Lisa Proulx
Marketing and PR Coordinator
B.A., St. Anselm College

Michael McNeil
Creative Services Coordinator
A.S., NHCTC/Stratham

REGISTRAR'S OFFICE

Sandra Ho
Registrar
A.S., McIntosh College;
B.A., Middlebury College

Cheryl Richardson
Assistant Registrar

DEPARTMENT OF ALLIED HEALTH

(Allied Health, Massage Therapy, Medical
Coding, Surgical Technology, Veterinary
Technology)

Margaret MacGregor
Program Coordinator/Professor,
Veterinary Technology
B.S., University of New Hampshire;
V.M.D., University of Pennsylvania

Christine Kiely
Massage Therapy Program Coordinator

ADJUNCT FACULTY

Carla Bashaw
Massage Therapy
A.S. and B.A., University of Maine

Julie Bellerose Cate
Lab Assistant, Veterinary Technology
A.A.S., NHCTC/Stratham;
B.A., St. Anselm College

Barbara Burri
Medical Technology
Veterinary Technology
A.A.S., NHCTC/Stratham;
A.S., Nassau College;
B.S., Union College;
M.B.A., Syracuse University

Deborah Discher
Veterinary Technology
B.S., Rutgers;
D.V.M., University of Minnesota

Shauna Flagg
Massage Therapy
A.A., NHTI
B.S., Daniel Webster College

Angela Jenson
Massage Therapy
B.S., Granite State College

Cheryl Kimball
Lab Assistant, Veterinary Technology
A.A.S., NHCTC/Stratham;
B.A. University of New Hampshire

Dawn Lipinski
Massage Therapy
B.S., Russell Sage College

Jessica Mucci
Surgical Technology
A.A.S., NHCTC/Stratham;
CST

Ting Outhit
Surgical Technology
A.S., Great Bay Community College;
B.A., Maine College of Art

Lisa Rovillard
Surgical Technology
A.A.S., Great Bay Community College; CST

Lois Senecal
Veterinary Technology
B.A., University of Massachusetts;
M.S., State University of New York;

Anne Tiemann
Massage Therapy
B.S., Corpus Christi State University
M.S., Texas A & M University

Kristin Whitney
Surgical Technology Program Coordinator
A.A.S., Great Bay Community College; CST

Nancy Withee
Medical Coding
B.S., Nasson College

DEPARTMENT OF BUSINESS STUDIES

(Accounting, Business, Computer
Technologies, Economics, Hospitality
Management, Liberal Arts-Business,
Management, Marketing)

John Burt
Chairperson/Professor
Business Studies
A.B.A. and B.B.A., Nichols College;
M.B.A., University of Oregon

Dawn Comito
Program Coordinator/Associate Professor,
Hospitality
B.A., University of New Hampshire
M.S., Southern New Hampshire University

Renee Dodge
Associate Professor
Computer Technologies
B.S., Bentley College;
M.S. & M.B.A. Southern New Hampshire
University

Jeanne Furfari
Program Coordinator/Professor
Liberal Arts- Business
B.A., University of Rhode Island;
M.Ed., Rhode Island College;
M.B.A., University of Vermont

Daniel Murphy
Program Coordinator/Professor
Accounting
B.S., Boston College;
M.B.A., New Hampshire College;
CPA

Meg Prescott
Program Coordinator/Associate Professor,
Computer Technologies
B.A., University of Maine

ADJUNCT FACULTY

Shauna Beaudin
Business Management
M.S., C.I.S. and M.B.A., New Hampshire College

Barbara Burri
Computer Technology
A.A.S., NHCTC/Stratham;
A.S., Nassau College;
B.S., Union College;
M.B.A., Syracuse University

James Chiafery, CPA
B.S.E.E. and M.S.E.E., Cornell University
M.B.A., Simon Graduate School of
Management
M.S.A., Bentley University

Brian Chick
Multimedia
B.S., Michigan State University

Dewey Corl
Programming/Database Design
B.S., University of Nebraska

Susan DeMauro
Computer Technologies
B.S., Husson College;
M.Ed., University of New England
Gayle Lee
Computer Technologies
A.S., NH Community Technical College
B.A., Chester College of New England

David Mazur
Hospitality Management
B.S., Endicott College;
M.B.A., Endicott College

Anthony Membrino
Computer Technologies
B.S., Franklin Pierce College;
M.Ed., Capella University

Thomas Neal
B.A., St. John's University School of Education
J.D., St. John's University of Law

Raymond Pasquale
Business Management
B.S., University of Rhode Island;
M.A., University of Phoenix

Kimberly Pouliot
Accounting
B.S., University of New Hampshire

P. Sean Roberts
B.A., Lyndon State College
M.B.A., Southern New Hampshire University

Penny Savage
Computer Technologies
A.A.S., NHCTC-Stratham
B.S., Granite State College

Laura Smithson-Corl
Computer Technologies
B.A., College of Saint Mary;
J.D., University of Washburn School
of Law

William Strouss, CPA
B.S., Rensselaer Polytechnic Institute
M.B.A., University of Pittsburgh

DEPARTMENT OF CRIMINAL JUSTICE

(Criminal Justice, Homeland Security)

Monique Graf
Chairperson/Professor
Criminal Justice
A.S., Northern Essex
Community College;
B.S. and M.A., University of
Massachusetts Lowell

ADJUNCT FACULTY

Paul Dean
Criminal Justice/Homeland Security
A.S., Hesser College;
B.S., Granite State College

Nicholas Halias
Criminal Justice
B.S., Granite State College;
M.S., Fitchburg State College

Christine McKenna
Criminal Justice
B.S., College for Lifelong Learning;
M.S., Springfield College

Michael Peck
Criminal Justice/Homeland Security
B.S. and M.B.S., Franklin Pierce University

Scott Plumer
Criminal Justice
B.S., Granite State College;
M.B.A., Plymouth State University

DEPARTMENT OF INFORMATION SYSTEMS TECHNOLOGY

David Miller
Program Coordinator/Professor
Information Systems Technology
B.S., Fitchburg State College;
M.S.E.E., University of New Hampshire

Kevin Behnke
Associate Professor
Information Systems Technology
B.S., Westbrook College;
M.S., New Hampshire College;
M.B.A., Plymouth State College

ADJUNCT FACULTY

Roger W. Smith, Jr.
Information Systems Technology
B.A., University of Alabama;
M.S., Alameda University

LIBERAL ARTS - DEPARTMENT OF ENGLISH AND HUMANITIES

(American Studies, Arts, English, Humanities,
Languages, Philosophy)

Richard Walters
Chairperson
Professor, English/Humanities
B.A., University of New Hampshire;
M.A., Boston College;
Ph.D., University of New Hampshire

Annette Cohen
Professor, Digital Design
B.A., Massachusetts College of Art;
M.Ed., Antioch-New England

Melissa Muszysnki
Assistant Professor, English
B.A., Bridgewater State College
M.A., University of Massachusetts

ADJUNCT FACULTY

Kathleen Baker
B.A., University of Massachusetts
M.A., University of Colorado

Pamela Barksdale
B.A. and M.A., University of New Hampshire

Jody Carson
A.S., Northern Essex Community College
B.A., Leslie University
M.Ed., Southern New Hampshire University

Kimberly Corey
B.A. and M.Ed., Massachusetts College of
Liberal Arts
Ph.D., Nova Southeastern University

Evan Czyzowski
B.A., University of New Hampshire

Deborah Holloway
B.A. and M.A., University of New Hampshire
Ph.D., University of Colorado

Cathy L. Minch
American Sign Language
Certified ASL Instructor,
A.A., College for Lifelong Learning

Judy Platz
English
B.S., Keene State University;
M.A., Goddard College

Caroline Roswick
B.A., Gordon College

James Rudolph
B.A. and M.A., University of New Hampshire

Colleen Sasso
B.A. and M.A., University of New Hampshire

Neil Savage
Technical Writing
Ph.D., University of Rhode Island

Cynthia Walton
English
B.A., University of Massachusetts;
M.A., Simmons College

LIBERAL ARTS - DEPARTMENT OF MATH AND PHYSICS

D. Scott Hewitt
Chairperson/Professor, Math
B.S., State University College,
Brockport;
M.S., University of New Hampshire

Edward Salesky
Professor, Math/Physics
B.S., Lowell Technological Institute;
M.S. and Ph.D., University of Mass-Lowell

ADJUNCT FACULTY

Eugene Buckmore
Math
B.S., University of Maine;
M.A.T., Colorado State University

Deborah Girouard
B.S. and M.S., University of New Hampshire

Patricia Guevin
Math
B.A. and M.S.T., University of New
Hampshire

Peter Hopkinson
B.S., University of Southern Maine
M.S., Northeastern University

Mark Jennings
B.S., University of New Hampshire

Mary Massey
Math
B.A., Mercy College;
M.S., Syracuse University

Vishal Narang
B.S., L.D. College of Engineering
M.S., North Carolina State University
M.B.A., University of New Hampshire
James Parent
Math
M.A., University of Maine Orono

Vincent Parolisi
Math
A.S., Lowell Technical Institute;
B.S., Northeastern University;
M.B.A., Southern New Hampshire
University

Sylvia Peterlin
Math
B.Ed., Plymouth State University

Evelyn Peters
B.A., Far Eastern University
M.A., University of Massachusetts

Elizabeth Reith
Math
B.S. and M.A., University of New
Hampshire

LIBERAL ARTS - DEPARTMENT OF LIFE SCIENCES AND CHEMISTRY

(Biological Science, Biotechnology, Chemistry)

Leslie Barber
Chairperson/ Professor
Biological Science
B.A., Earlham College;
Ph.D., University of California
Los Angeles

Deborah Audino
Associate Professor, Biotechnology
B.S., Brown University;
M.S., University of New Hampshire

Catherine Ennis
Associate Professor, Biological Science
B.S. and M.S., University of New
Hampshire

Michael Gordon
Program Coordinator/Professor Chemistry
B.S., University of New Hampshire;
Ph.D., Dartmouth College

Brett LeClair
Associate Professor, Biological Science
A.A., Northern Essex
Community College;
B.S., Bridgewater State College;
D.C., Sherman College of Straight
Chiropractic

Barry W. Spracklin
Professor, Biological Science
B.A. and M.S., Northeastern
University;
Ph.D., University of New Hampshire

Kim Williams
Professor, Biological Science
B.S. and Ph.D., University of New
Hampshire

Robert O'Brien
Laboratory Assistant
A.S., NHCTC/Stratham;
A.A.S., Northern Essex Community
College

ADJUNCT FACULTY

Linda Coe
B.A., Russell Sage College
M.S., University of Massachusetts

Peter Fickett
Biological Science
B.S. and M.S., University of New
Hampshire

Jane Flanagan
Biological Science
B.A., Elms College;
M.Ed., University of Massachusetts

Thomas Julian
Chemistry
B.S. and M.S., University of New
Hampshire

Andrea Loving
Biological Sciences
B.S., R.D., and M.E., University of New
Hampshire

Robert Philbrook
Chemistry
B.S., University of Maine at
Farmington;
M.S., University of Southern Maine

David Harper Wilson
Environmental Science
B.S. Radford College;
M.S. University of New Hampshire

DEPARTMENTS OF SOCIAL SCIENCES AND EDUCATION

(Early Childhood Education, Education, Social
Sciences: Anthropology, Geography, History,
Political Science, Psychology, Sociology; and
Teacher Preparation)

Patricia Corbett
Chairperson/Professor
Social Sciences/Teacher Preparation
B.A., St. Anselm's College;
M.S., University of New England

Anita Ward French
Program Coordinator/Professor
Early Childhood Education
B.S. and M.Ed., University of New
Hampshire

Jere Vincent
Associate Professor
History/Political Science
B.A. and M.A., University of New
Hampshire;
M.Div. Trinity Theological Seminary

ADJUNCT FACULTY

Susan Allison-Endriss
Social Sciences
B.A. and M.A., University of Colorado
Denver

Louise Bacon
Social Sciences
B.A. and M.Ed., University of New
Hampshire

Doris Buco
Education
B.A., Boston College
M.Ed., Notre Dame College

Frances Chickering
Social Sciences
B.A. Wheaton College;
M.A., University of Colorado

John Dube
History
B.A. and M.A., Salem State College

Becky Geer-Linnell
Early Childhood Education
A.S., NHCTC/Stratham;
B.S., College for Lifelong Learning;
M.Ed., Lesley University

Benjamin Hampton
History and Humanities
B.A., University of Maine;
M.Ed., Keene State College

Erika Hunter
B.A., Purdue University
M.Ed., University of Maine

Lindsay Joe
B.A., Wheaton College
M.S., Bowle State University
Ed.D., Argosy University

Curtis Lalonde
History
B.S., University of Connecticut;
M.A., University of New Hampshire

Peggy Leary
Psychology
B.S., Granite State College;
M.Ed., Northern Arizona University

Christine McClure
Social Sciences
B.S., Granite State College;
M.A., University of Florida;

Philip Meader
Social Sciences
B.S., Plymouth State University;
M.S., New Hampshire College

Helga Parker
Social Sciences
B.A., New Hampshire College;
B.S., Southern New Hampshire
University;
M.S., Drexel University

Deborah Stokel
Early Childhood Education
B.S., Plymouth State University

Stephanie Van Kleeck
Social Sciences
B.A., University of Southern
California;
M.S.W., Smith College School for
Social Work

Linda Worden
Psychology
B.S. and M.Ed., University of New Hampshire

DEPARTMENT OF NURSING

Lisa McCurley
Chairperson/Professor, Nursing,
B.S. University of Lowell;
M.S. University of Massachusetts-
Boston;
CS-ANP, University of Massachusetts-
Worcester

Sr. Helen Burke
Professor, Nursing
B.S.N., St. Anselm College;
M.S., Boston College;
Ed.D., University of Massachusetts-
Lowell

Mary A. Churchman
Professor, Nursing
R.N., Catholic Medical Center School
of Nursing;
B.S.N., University of New Hampshire;
M.S.N., University of South Carolina;

Nancy DeSotto
Professor, Nursing
B.S.N. and M.S.N., University of New
Hampshire;

Dulcinea Kaufman
Professor, Nursing
B.S., Simmons College;
M.S., Northeastern University;

Kelly McDonough
Professor, Nursing
B.S., University of New Hampshire;
B.S.N., Salem State College;
M.S.N., University of New Hampshire

Lorraine Mancuso
Professor, Nursing
B.S.N., University of Rhode Island;
M.S.N., University of Phoenix

Carrie Marchand
Professor, Nursing
B.S., University of Massachusetts-
Lowell;
M.S., F.N.P., Rivier College

ADJUNCT FACULTY

Carol Dowling
Diploma-Nursing, Newton Wellesley
School of Nursing
B.S.N., St. Anselm College
M.S., Boston University

Eileen Foley
A.S.N., Northern Essex Community College
B.S., St. Joseph College
M.S.N., University of Phoenix

Anne Marie King
B.S.N., St. Anselm College;
B.A., Mt. St. Mary College;
M.S.H.S., New Hampshire College

Dorothy McLain
A.D.N., NHCTC/Stratham;
B.S. and M.S., University of New Hampshire

Mickey Pike
A.D.N., Nicholls State University;
B.S.N., Northwestern State University;
M.S.N., Oral Roberts University

Pamela Sparling
B.S., Salve Regina University
M.S., University of Massachusetts-Worcester

Karen Windle
B.S.N., Salem State College;
M.S., Boston College



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Reference Page

College Services One Stop

(Admissions, Business Office, Financial Aid, Registrar)

1st Floor - Room 100

Phone: (603) 427-7610

Fax: (603) 334-6308

e-mail: askgreatbay@ccsnh.edu

Advising Center

2nd Floor - Room 200

Phone: (603) 427-7600 ext. 7728

Fax: (603) 559-1523

web: www.greatbay.edu/advising

Center for Academic Planning and Support (CAPS)

2nd Floor - Room 210

Phone: (603) 427-7621

Fax: (603) 334-6308

e-mail: greatbaycaps@ccsnh.edu

web: www.greatbay.edu/caps

Library

1st Floor - Room 110

Phone: (603) 427-7618

Fax: (603) 559-1524

Email: reference@ccsnh.edu

web: www.greatbay.edu/library

Student Help Desk

web: www.greatbay.edu/helpdesk

Business and Training Center

1st Floor - Room 130

Phone: (603) 427-7652

Fax: (603) 431-3531

web: www.greatbay.edu/btc

Student Life

1st Floor - Room 111

Phone: (603) 427-7644

e-mail: mfischer@ccsnh.edu

web: www.greatbay.edu/studentlife

FYE: For Your Education

4th Floor - Room 415

Phone: (603) 334-6306

Fax: (603) 334-6308

web: www.greatbay.edu/fye

The Green Bean

1st Floor - Room 102

Phone: (603) 427-6668

web: www.nhgreenbean.com

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*summer and college break weeks vary

Bookstore

1st Floor - Room 113

Phone: (603) 427-0891

web: www.greatbay.bkstr.com

Coast Bus Service

Phone: (603) 743-5777

web: www.coastbus.org

Cancellations:

web: www.greatbay.edu/closings

TV: WMUR Channel 9

Radio: WXBB 102.1-105.3FM

Radio: WHEB 100.3FM

Radio: WERZ 107.1FM

Radio: WTSN 1270AM

*Always check radio and tv resources in addition to the college website. Updates will be posted when info and resources are available.








Great Bay
Community College

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Great Bay Community College

CATALOG ADDENDUM 2011-2012

Updated as of 3/26/11

Great Bay Community College publishes a full Catalog every year . The catalog is available on the website www.greatbay.edu and is updated throughout the year. An Addendum is also published annually. The Addendum contains a record of all of the updates that have been added in the past year. The next full Catalog will be published in Summer 2012.

The following question and answer section is designed to respond to common questions about how to use this important document. As always, it is recommended that students seek the guidance of counselors for course, program, and transfer planning. In this way, you will be able to access all the most up-to-date information available.

Q. Why do we have an Addendum?

A. The College is constantly updating curriculum, program and college information (appropriate for submission into the catalog). It is important to have a print and web document that helps students and staff locate all of these changes.

Q. How do I use the Addendum?

A. The Addendum is to be used alongside the 2011-12 catalog, not in isolation. Check your program and course of interest to see if there have been any changes. Meet with your counselor if you have questions about how these changes affect your academic plan.

Q. Does the Addendum supersede the Catalog?

A. The Addendum is just that: an addition to the 2011-12 Catalog. Whatever is listed in the Addendum in terms of new courses and/or new program requirements does supersede what is in the Catalog. However, in terms of Catalog rights, if you began a program in Fall 2011 or Spring 2012, you will be able to adhere to the requirements listed in the 2011-2012 Catalog as long as you have no break in enrollment until the time of your completion. Once again, if you have questions about programs and courses, see a counselor.

Q. Where can I find the Addendum?

A. The Addendum is on the college website www.greatbay.edu

We hope this document will be helpful to you. It has been prepared as carefully as possible to include the most up-to-date information. Great Bay Community College reserves the right to make changes as needs require, and to change, without notice, any of the information, requirements, and regulations in the College Catalog and the Catalog Addendum.

Here are major changes in degrees, courses, and policies that have taken place since the publication of the 2010-2012 Catalog. See pages listed for more information or see a counselor.

Program Additions:

[Liberal Arts/Biological Sciences Associate in Arts Degree](#)

Concentration Options

University Transfer

General Biology

[Liberal Arts/Chemistry Associate in Arts Degree](#)

PROGRAM CHANGE:

Liberal Arts/Teacher Preparation EDU A.A. Degree:

Previous 4 Required Social Science Electives restricted to AN101, GEOG110, HIST202, HIST204, POL110, PSYC210, PSYC230 has now been converted to:

- o 3 Required Social Science Electives – Any Social Science, no restrictions
- o 1 additional Transfer Focus Elective – for a total of 4 Required Transfer Focus Electives

Courses:

New Courses:

IST245 Information Storage and Mgmt, prerequisite IST113 and IST122
FYE103A EssSkillsCollSuccess-CompTech 3-0-3, prereq Admission to CT
MATH084 Developmental Algebra 5-0-5, prereq C or better in MATH070 or satisfactory placement test scores
NATR105 Sustainable Agriculture & Food Systems 3-2-4, no prereq, LIBA elective
EDU105 Accommodations for Math Instruction 3-0-3, no prereq

Course Changes:

IST221 Multilayer Switching is now 'Advanced Switching'
IST227 Internetwork Troubleshooting is now 'Advanced Troubleshooting'
CIS225 Introduction to Print Production is now "Intro to Print Technology"
Change CHEM205 Biochemistry to "General Biochemistry"
ARTS103 Fundamentals of Acting 2-4-3 is now 4-0-4
CHEM110 prerequisite D- or better in MATH090 or MATH131 or MATH084 or Sufficient Placement scores
CHEM115 prerequisite D- or better in CHEM043 or CHEM110 and D- in MATH090 or MATH131 or MATH084 or Sufficient Placement Scores
EDU207 Topics in Education is now "Topics in Special Education"
MATH145 prerequisite C or better in MATH090 or MATH131 or MATH084 or Sufficient Placement scores
MATH150 prerequisite C or better in MATH090 or MATH131 or MATH084

Course Deactivation:

IST114 IT Essentials: Network Operating Systems
IST141 Fundamentals of UNIX
IST218 Building Remote Access Networks

ACCT244 Federal Income Taxes – Corporation
ECE220 Practicum I: Student Teaching
ECE230 Practicum II: Professional Development
IST257 Windows Network Operating Systems Services

Course Correction:

CHEM200 Organic Chemistry Description should include Prerequisite: CHEM 115 and CHEM 116

Policy Changes/Additions:

Insert after "Exception to Drop Policy"

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Dropping a Course

The student should initiate the official drop procedure after consultation with his/her faculty advisor. Simply ceasing to attend classes or notifying the instructor does not constitute officially dropping a course.

If a student wishes to withdraw prior to the 60% mark of the course, the instructor's signature is not required. After the 60% mark, the instructor must issue a grade of either WP or WF and sign the Add/Drop form.

If a student decides to drop a class, he/she must formally withdraw by the dates specified in the academic calendar. This is accomplished by filling out an official Add/Drop form at The College Services One Stop.

Students who are reported by instructors as never attending a class within the first two weeks of the semester (or prorated time frame for alternative semesters) are administratively withdrawn. Students remain financially responsible for the class but receive no grade.

Refunds are only given when students fill out the official drop form in accordance with the refund policy within established dates of the individual semester.

Placement Testing fee:

(Page 16)

The 2012 Placement Test Pricing and Retest Policy (effective Nov. 7, 2011) has been approved. Testing fee is now changed from \$20 to \$15.

Replace Current Computer Use Policy

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INFORMATION TECHNOLOGY ACCEPTABLE USE

1. Purpose:

The purpose of this policy is to encourage the responsible use of CCSNH and member campus technology resources consistent with expectations for the appropriate conduct of the members of our campus communities. This policy is intended to provide guidance to CCSNH technology users. While this policy and Addendum-A (Examples of Violations) are intended to provide guidance, it is impossible to contemplate all potential applications since technology and applications consistently change. If unsure whether any use or action would constitute a violation of this policy, contact your campus Information Technology department or the System Office for assistance. In cases not covered explicitly by the CCSNH Acceptable Use policy, the System Office determination will prevail. In addition to this policy, information on how to use CCSNH technology, resources and services can be found at www.ccsnh.edu

Access to CCSNH technology resources is a privilege, not a right. This privilege is extended to all users including faculty, staff, students, alumni/ae, and affiliated individuals and organizations. CCSNH's technology resources include computing facilities, telecommunications and network services, video network services, web page servers,

equipment, software, applications, information resources, printing and scanning services, and user and technical support provided by Information Technology staff. Accepting access to these technology resources carries an associated expectation of responsible and acceptable use. Failure to abide by the responsibilities articulated below may result in loss of privileges.

2. Responsibilities

Users of CCSNH technology resources have a shared responsibility with our Information Technology staff to maintain the integrity of our systems, services, and information so that high quality and secure services can be provided to everyone. Toward this end, all users shall:

- a. Comply with posted policies governing use of computing and printing facilities.
- b. Respect all contractual and license agreements, privacy of information, and the intellectual property of others.
- c. Comply with federal, state, and local regulations regarding access and use of information resources (e.g., policies regarding Federal Copyright Act, The Family Education Rights and Privacy Act, Gramm-Leach-Bliley Act, codes of professional conduct and responsibility, etc.).
- d. Maintain and secure your own system accounts (including files and data associated with those accounts); this includes taking action to backup your files and data as appropriate.
- e. Exercise due diligence in protecting any computer you use to connect (either through dial-up, VPN or any other means) to the CCSNH network from viruses, worms, and security vulnerabilities by maintaining and regularly using anti-virus software, installing available security updates/patches for your operating system and any applications you use, and avoiding the installation of un-trusted programs on your computer.
- f. Take precautions to keep your technology accounts (computer, network, Blackboard, Banner, etc.) secure.
- g. Do not share privileges with others. Your access to technology resources is not transferable to other members of the CCSNH community, to family members, or to outside individuals or organizations. If someone wishes access to CCSNH's technology resources, s/he should contact the CCSNH Information Technology Office by sending email to ITSupport@ccsnh.edu
- h. Ensure that any and all of your web pages and blogs reflect the highest standards of quality and responsibility. As page or blog owner, you are responsible both for the content of your web page or blog and for ensuring that all links and references from these are consistent with this and other policies, copyright laws, and applicable local, state, federal laws. CCSNH hosted web pages and blogs are not to be used for commercial purposes or for activities unrelated to the educational mission of the college without written authorization from the CCSNH.
- i. Ensure that any contributions of information to WIKIS reflect the highest standards of quality, accuracy, and responsibility.
- j. Understand the implications of sharing information or data via the Internet, e-mail, Instant Messaging, social networks or other services that are either open to access by others, or that can be viewed and/or forwarded to others.
- k. Report violations or suspected violations of this policy. Please report violations as follows:
 - College Personnel: Report violations to your immediate supervisor, Vice-President of Academic Affairs or President.
 - System Office Personnel: Report violations to your immediate supervisor, Vice-Chancellor or Chancellor.
 - Students: Report violations to your College Vice-President of Academic Affairs or President.

3. Enforcement of this Policy

CCSNH reserves the right to monitor the System network and systems attached to it, and to take actions to protect the security of the CCSNH systems, information, and users.

a. Reporting Violations or Suspected Violations: Reports of violations or suspected violations as follows:

- College Personnel: Report violations to your immediate supervisor, Vice-President of Academic Affairs or President.
- System Office Personnel: Report violations to your immediate supervisor, Vice-Chancellor or Chancellor.
- Students: Report violations to your College Vice-President of Academic Affairs or President.

b. Response to Violations: The CCSNH Information Technology office will investigate and respond to reports of violations or suspected violations and include appropriate CCSNH offices as necessary. As part of this response, Information Technology reserves the right to immediately disconnect any system or terminate user access to protect the security of the CCSNH systems, information, and users.

c. Sanctions: Violation of this policy may result in the immediate termination of access and/or disciplinary action by CCSNH including, but not limited to restriction to all CCSNH technology resources and/or denial of employment opportunities with CCSNH. As a recognized agent under the Digital Millennium Copyright Act, CCSNH will act in accord with the provisions of this act in the event of notification of alleged copyright infringement by any user.

d. Compliance: All users who access or use CCSNH Information Technology resources must agree to comply with the CCSNH Acceptable Use Policy. (also referenced in Human Resources Section 321.01)

Addendum A: Example Violations of Acceptable Use Policy

The purpose of this addendum is to provide examples of violations of CCSNH's Acceptable Use Policy. The following is not an exhaustive list and if you are unsure whether any use or action would constitute a violation of this policy, please contact your campus Information Technology department or the System Office for assistance. In cases not covered explicitly by the CCSNH Acceptable Use policy the System Office determination will prevail.

Examples which Apply for ALL Users (Students, Faculty, Staff and Contract Employees):

Authorized Access/Accounts

1. Attempting to obtain unauthorized access or circumventing user authentication or security of any host, network or account. This includes accessing data not intended for the user, logging into a server or account you are not expressly authorized to access, or probing the security of systems or networks.
2. Supplying or attempting to supply false or misleading information or identification in order to access CCSNH's technology resources.
3. Sharing your passwords or authorization codes with others (computing, e-mail, Blackboard, Banner, etc.).
4. Using technology resources for unauthorized uses.
5. Logging onto another user's account (without the permission of the account owner)
6. Sending e-mail, messages, etc. from another individual's or from an anonymous account.
7. Unauthorized use of CCSNH registered Internet domain name(s).
8. Changing your issued machine name to a name that is different from that assigned by CCSNH or campus Information Technology departments without authorization.
9. Connecting computers or other devices to the CCSNH network that have not been registered with, or approved by, CCSNH.

Services

1. Attempting to interfere with service to any user, host, or network. This includes "denial of service" attacks, "flooding" of networks, deliberate attempts to overload a service, port scans and attempts to "crash" a host.
2. Use of any kind of program/script/command designed to interfere with a user's computer or network session or collect, use or distribute another user's personal information.
3. Damaging a computer or part of a computer or networking system.
4. Knowingly spreading computer viruses.
5. Modifying the software or hardware configuration of a CCSNH owned computer with malicious intent
6. Excessive use of technology resources for "frivolous" purposes **unrelated to the academic or administrative work of the Colleges**, Examples are game playing (local or networked), downloading of music/video media files, using peer to peer file

sharing programs, listening/watching streaming audio/video feeds (Internet radio, Internet TV, YouTube, etc.). These examples can cause congestion of the campus network and Internet connection or may otherwise interfere with the academic and administrative work of others, especially those wanting to use public access PCs or network and Internet resources.

7. Violating copyright laws.
8. "Hacking" on computing and networking systems.
9. Using technology resources (networks, central computing systems, public access systems, voice and video systems) for new technologies research and development without review and authorization from the CCSNH Information Technology office.

10. Deployment of wireless access points (WAPs) without review and authorization from the CCSNH Information Technology office.

Software, Data & Information

1. Inspecting, modifying, distributing, or copying software or data without proper authorization, or attempting to do so.
2. Violating software licensing provisions.
3. Installing software on public access and other CCSNH owned computers without appropriate authorization from the CCSNH Information Technology office.
4. Installing any diagnostic, analyzer, "sniffer," keystroke/data capture software or devices on CCSNH owned computer equipment or on the CCSNH network.
5. Breaching confidentiality agreements for software and applications; breaching confidentiality provisions for institutional or individual information.

Email/Internet Messaging/Voice Mail/Voice Services

1. Harassment or annoyance of others, whether through language, frequency or size of messages, or number and frequency of telephone calls.
2. Sending e-mail or voice mail to any person who does not wish to receive it, or with whom you have no legitimate reason to communicate.

3. Sending unsolicited bulk mail messages ("chain mail", "junk mail" or "spam"). This includes bulk mailing of commercial advertising, informational announcements, political tracts, or other inappropriate use of system e-mail distribution lists. Forwarding or otherwise propagating chain e-mail and voice mail and pyramid schemes, whether or not the recipients wish to receive such mailings. This includes chain e-mail for charitable or socially responsible causes.

4. Malicious e-mail or voice mail, such as "mailbombing" or flooding a user or site with very large or numerous items of e-mail or voice mail.

5. Forging of e-mail header or voice mail envelope information. Forging e-mail from another's account. Sending malicious, harassing, or otherwise inappropriate voice mail from another's voice lines.

6. Falsely representing opinions or statements on behalf of CCSNH or others.

CCSNH Hosted, and personal Web Pages, Blogs, or other Social Media Web Sites

1. Posting content on personal Web Pages, Blogs, or other Social Networks that provides information on and/or encourages illegal activity, or is harassing and defaming to others.

2. Linking from personal Web Pages, Blogs, or other Social Networks, whose content violates CCSNH policies, local, state, and/or federal laws and regulations.

3. Running personal Web Pages, Blogs, or other Social Networks that support commercial activities or running server systems under the CCSNH registered domain name, CCSNH.EDU or variation thereof, without authorization.

4. The use of the CCSNH name, seals, images and text are the property of CCSNH and shall not be used without the written permission of CCSNH.

Listservs, Bulletin & Discussion Boards

1. Posting a message whose subject or content is considered unrelated to the subject matter of the listserv, bulletin or discussion board to which it is posted. For moderated listservs, the decision as to whether a post is unrelated will be made by the moderator. For listservs that are not moderated and discussion boards, we employ the practice of "self-policing" -- that is, members serve as moderators, commenting (to the sender, to the list) about inappropriate posts.

2. Posting chain letters of any type.

3. Forging header information on posts to listservs, bulletin or discussion boards.

Corrections

Add to First Year Seminar Equivalency:

(Page 25)

- The student has previously completed an Associate or Bachelor's degree from an accredited college or university (insert) "including Great Bay Community College"

Running Start and eStart Tuition

(Page 40)

Tuition Running Start (beginning Fall 2011): \$150.00

Tuition for e-start (beginning Spring 2012): \$150.00

Hours for PHYS290 University Physics should be listed as:

