



# Computer Technologies

## Associate Degree Program



### About

The Department of **Computer Technologies** offers an Associate Degree program for either full-time or part-time study. The 67 credit degree consists of 30 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 the Computer Technical electives 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:**

- Analyze a problem, and identify and define the computing requirements appropriate to its solution.
- Design, implement and evaluate a computer-based process or program to meet desired needs.
- Use current techniques, skills, and tools necessary for computing practices.
- Demonstrate a familiarity with state-of-the-art programming techniques, tools, and practices.
- 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.
- Understand professional, ethical, legal, security, and social issues and responsibilities related to IT, to include an understanding of cross-cultural issues and global perspectives.
- Use written and oral communication skills necessary to be effective in the IT industry.
- Recognize the need to maintain currency with future changes in the computing profession.
- Use creative and critical thinking processes to work independently and/or collaboratively to develop complex solutions, and take the lead to implement those solutions.
- Function effectively on teams to accomplish a common goal.
- Through the use of an online portfolio, students will assess and reflect upon their own learning and create a cumulative portfolio of their “best” work.

### How Much Can I Expect to Earn?

To learn more about potential earnings visit:

Bureau of Labor Statistics Occupational Outlook Handbook [www.bls.gov/oco](http://www.bls.gov/oco)

### Occupations/ Outlook Trends

For more information about the outlook and trends for the Computer Technologies industry, please visit:

<http://www.bls.gov/>

### Why Computer Technologies at Great Bay?

- Articulation agreements to a variety of New England colleges and universities.
- Small class size and individual attention from instructors and advisors.
- Credentialed faculty with extensive industry experience.





Student Name: \_\_\_\_\_

Student ID #: \_\_\_\_\_

Beginning Semester: \_\_\_\_\_



**YOUR PATHWAY TO AN ASSOCIATE DEGREE**  
This **ACADEMIC MAP** keeps you on track to graduate in two years

**GENERAL EDUCATION CORE COURSES**

**General Education Core Courses:**

Course #	Course Name	Prerequisites (p)/ Corequisites (c)	Credits	Semester	Grade Earned	Transfer
FYE151G	Essential Skills/College Success-CT		3			
ENGL110G	College Composition I	Placement testing or a grade of C or better in ENGL099G (p)	4			
MATH170G	Discrete Mathematics	Placement testing or a grade of C or better in MATH145G/147G (p)	4			
English Elective	English Elective		3			
Science Elective *	Science Elective *		4			
SOCI120G	Society & Technological Change		3			
Foreign Language/ Humanities/Fine Arts Elective	Foreign Language/Humanities/Fine Arts Elective		3			
Liberal Arts Electives	Liberal Arts Electives		6			
<i>*A 3 credit science elective may be accepted in transfer to fulfill this requirement</i>			<i>Total Credits</i>	30		

**Computer Technical Courses:**

CIS111G	Computer Technologies	Placement testing or CIS110G or CIS107G (p)	3			
CIS112G	Introduction to Object Oriented Programming	Placement testing or CIS 107G or higher (p)	3			
CIS113G	Database Design & Management	Placement testing or CIS110G or CIS107G (p)	3			
IST122G	Introduction to Networks		3			
CIS292G	Portfolio Preparation & Presentation	Permission of Department Chair and/or Program Advisor (p)	1			
			<i>Total Credits</i>	13		

**Computer Technical Electives:**

CIS Technical Elective *			3			
CIS Technical Elective *			3			
CIS Technical Elective *			3			
CIS Technical Elective *			3			
CIS Technical Elective *			3			
CIS Technical Elective * 200 Level Only			3			
CIS Technical Elective * 200 Level Only			3			
CIS Technical Elective * 200 Level Only			3			
			<i>Total Computer Technical Elective Credits</i>	24		

\*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 DGMT, IST, ACCT, BUS, MKTG designations may be used for Computer Technical Electives.

\*At least 3 computer technical elective courses (9 credits) must be at the 200 level.

**Total Credits** 67

**SUCCESS STRATEGIES**

- Take English and Math in your first semester.
- Explore Transfer opportunities.
- Consider Summer courses to catch up or get ahead.
- Check your student email daily.
- Meet with your Academic Advisor every semester.
- Take advantage of Tutoring Services.
- Maintain an overall GPA of 2.0 to graduate.