

Engineering Science Transfer Program
Great Bay Community College (GBCC)
And
University of New Hampshire
College of Engineering and Physical Sciences (UNH-CEPS)

September 20, 2011

Introduction

This collaborative 2 + 3 agreement will enable GBCC students in the Liberal Arts Engineering Science Program to transfer to the BS Engineering degree programs at UNH-CEPS. An agreement was reached on how GBCC Liberal Arts Engineering Science courses will map into the UNH-CEPS program requirements. This information will allow GBCC students to make informed course selections decisions which facilitate transfer and University access, and support Baccalaureate degree completion.

The intention of this articulation agreement is to set forth the points of mutual understanding that is necessary to form, maintain, and communicate transfer information between these institutions.

Grade Requirements

Students must obtain an overall GPA of 3.0 or better at GBCC. In addition they must have a general academic record that will allow them to be admitted to the College of Engineering & Physical Sciences at the University of the New Hampshire.

Some of the programs might also have minimum grade requirements for some of the courses listed below (i.e. CIS courses must have a minimum grade of B for consideration with applying to Computer Science and Information Technology).

The intent of this transfer agreement is to provide a student who has completed an associate degree at GBCC to continue his/her education at UNH in a field of computer science, engineering, science or mathematics. One should anticipate that for a student taking courses full-time (2 semesters per year) first at GBCC and then at UNH, it would require 5 years to complete the program, (2 at GBCC and 3 at UNH).

Students who are not completing a full degree program at GBCC, but who intend to transfer to UNH-CEPS into a computer science, engineering, mathematics or science major, are encouraged to take courses that are listed below to facilitate the transfer process. The tables provided below (Course Mappings) will help a student understand how courses taken at GBCC will map to specific UNH-CEPS courses.

Course Mappings

Core Requirements applicable to all CEPS Majors

GBCC #	GBCC Title	Cr.	UNH #	UNH Requirement	Cr.
MATH230	Calculus I	4	MATH425	Discovery & major	4
CHEM115	Chemistry I	4	CHEM403	Discovery / Note 1	4
CHEM116	Chemistry II	4	CHEM404		4
PHYS290	University Physics I	4	PHYS407		4

Engineering-related Elective Options applicable to all CEPS Majors

GBCC #	GBCC Title	Cr.	UNH #	UNH Requirement	Cr.
MATH250	Calculus II	4	MATH 426	Major	4
PHOT110	Photonics	4	Elective		4
PHYS295	Physics295	4	PHYS408	Discovery & major	4

Engineering-related Elective Course Sequence Options applicable to all CEPS Majors

GBCC #	GBCC Title	Cr.	UNH #	UNH Requirement	Cr.
CIS112	Programming Logic	3	CS 405	Elective for some majors	4
CIS118	Intro to Visual Basic	3			

OR

CIS112	Programming Logic	3	CS 415	Required for CS, IT and CE majors	4
CIS148	Intro to Java program	3			
CIS158	Intro to C++	3			
IST113	IT Essentials: PC Hardware and Software	3	IT 520	Required for IT majors	4
IST113	IT Essentials: Network Operating Systems	3			

Notes:

Major – means that it meets the requirement of the major

Discovery – means that it meets the general education requirements of the university

1. The engineering programs require a one-semester chemistry course, Chem. 405. A student can also meet the degree requirement of chemistry by taking Chem. 403 and Chem. 404. A BS in Computer Engineering (CE), a BS in Computer Science (CS) and a BS in Information Technology (IT) do not have a chemistry requirement.
2. Other courses within the GBCC Liberal Arts / Engineering Science Program will transfer as specified by the existing articulation agreements between GBCC and UNH or the Community College System of New Hampshire and UNH.