

Engineering Science Transfer Program

Great Bay Community College (GBCC)

and

**University of Massachusetts Lowell (UML)
Francis College of Engineering**

Spring 2013

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 UML. An agreement was reached on how GBCC Liberal Arts Engineering Science courses will map into the UML program requirements. This information will allow GBCC students to make informed course selection 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 2.5 or better at GBCC. In addition, they must have a general academic record that will allow them to be admitted to the Francis College of Engineering at the University of Massachusetts Lowell.

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

Students who are not completing a full degree program at GBCC but who intend to transfer to UML in an Engineering 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 UML courses.

Publicizing This Agreement

After the appropriate bodies on both the GBCC and UML campuses have approved this agreement, the agreement should be publicized on the websites of both campuses. In addition, the Massachusetts high-school guidance departments should be informed.

Periodic Review

The academic standard committees from UML and GBCC should, every couple of years, review this agreement and consult with the faculty in their departments to evaluate how well the students participating in this agreement are doing academically. In addition, the reviewers should consider any modifications that might be needed. Any concerns raised by either campus should be brought to the attention of the other campus for discussion by a joint meeting to the appropriate faculty.

Course Mappings

Great Bay Community College Engineering Science Transfer Agreement Requirements			University of Massachusetts Lowell Course Equivalencies		
COURSE #	TITLE	CR.	COURSE #	TITLE	CR.
ENGL 110	College Composition I	3	42.101	College Writing I	3
ENGL 214	College Composition II	3	42.102	College Writing II	3
	Arts & Humanities	3		Arts & Humanities	3
	Arts & Humanities	3		Arts & Humanities	3
	Social Science	3		Social Science	3
ECON 134 <i>or</i> ECON 135	Macroeconomics <i>or</i> Microeconomics	3	49.202 <i>or</i> 49.201	Economics II (Macro) <i>or</i> Economics I (Micro)	3
MATH 230	Calculus I	4	92.131	Calculus I	4
CHEM 115	Chemistry I	4	84.121 84.123	Chemistry I Chemistry I Lab	4
CHEM 116	Chemistry II	4	84.122 84.124	Chemistry II Chemistry II Lab	4
PHYS 290	University Physics I	4	95.141 96.141	Physics I Physics I Lab	4
MATH 250	Calculus II	4	92.132	Calculus II	4
PHOT 110	Photonics	4	95.299 96.299	Physics 200 Elective Physics Lab 200 Elective	4
PHYS 295	University Physics II	4	95.144 96.144	Phsyics II Physics II Lab	4

For addition information regarding specific program requirements, please visit:
<http://www.uml.edu/CLASS/Advising-Center/Engineering.aspx>

For a complete list of course equivalencies, please use the UMass Lowell Transfer Dictionary:
<http://www.uml.edu/registrar/transfer/index.aspx>

SIGNATURES

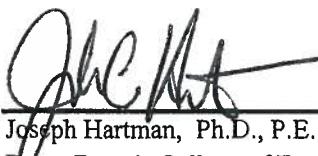
University of Massachusetts Lowell



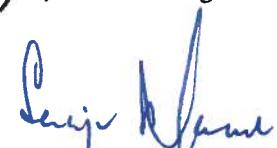
Martin T. Meehan
Chancellor



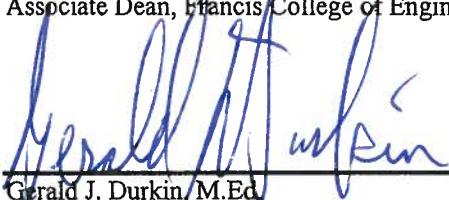
Ahmed Abdelal, Ph.D.
Provost



Joseph Hartman, Ph.D., P.E.
Dean, Francis College of Engineering



Sanjeev Manohar, Ph.D.
Associate Dean, Francis College of Engineering

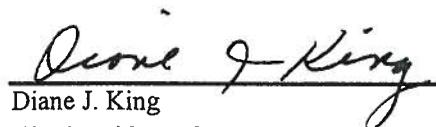


Gerald J. Durkin, M.Ed.
Associate Dean of Enrollment
Director of Transfer Admissions

Great Bay Community College



Wildolfo Arvelo
President



Diane J. King
Vice President of Academic Affairs

Date

8/26/13