

TRANSFER ARTICULATION AGREEMENT

UNIVERSITY OF MASSACHUSETTS DARTMOUTH

and

BRISTOL COMMUNITY COLLEGE

Engineering Science Transfer Program

at

Bristol Community College

to

Electrical Engineering

at

University of Massachusetts Dartmouth

OBJECTIVES OF THIS AGREEMENT:

1. To attract qualified students to Bristol Community College and the University of Massachusetts Dartmouth.
2. To promote and facilitate an efficient transition of Engineering Science Transfer graduates from Bristol Community College into the Electrical Engineering major at the University of Massachusetts Dartmouth.
3. To provide specific information and guidelines for transfer students and Joint Admissions students.
4. To encourage academic coordination and cooperation between the two schools including curricular reviews, on-site visitation and joint academic advising for students attending Bristol Community College.
5. To provide a framework for the exchange of information to monitor the success of this agreement.

STIPULATION OF THIS AGREEMENT:

1. This agreement will apply to Bristol Community College transfer students who have completed the Engineering Science Transfer program and received an Associate of Science degree and who followed the prescribed outline of courses.
2. Transfer students designated above will be accepted for admission and will receive junior status at the University of Massachusetts Dartmouth.

MUTUAL RESPONSIBILITIES:

1. Both institutions agree to maintain current listings of the course equivalencies. This will be the responsibility of the two designated representatives.
2. Representatives from the Bristol Community College Transfer Affairs office and the University of Massachusetts Dartmouth Admissions office will be responsible for assisting the transfer applicant in compiling the required credentials for application which shall include:
 - A. The transfer application form or the Intent to Enroll form, if the student is enrolled in Joint Admissions.
 - B. An official college transcript.

ASSISTANCE PROVISIONS:

1. Bristol Community College will incorporate a summary of this agreement into official publications.
2. Bristol Community College and the University of Massachusetts Dartmouth both agree to encourage qualified students to participate in this program by providing advising, information, and such other assistance to assure that an easy transition from the two-year institution to the four-year institution will occur.

REVIEW/REVISION PROVISIONS:

1. Review of the contents or implementation of this agreement will occur whenever requested by either party through the designated representatives. Such a review will be appropriate whenever substantive changes or revisions in the courses or programs of either institution occur. One year notice by either party is required for termination.

ARTICULATION OF ACADEMIC PROGRAMS
between
BRISTOL COMMUNITY COLLEGE
and
UNIVERSITY OF MASSACHUSETTS DARTMOUTH

The above institutions hereby enter into an agreement to facilitate the transfer of students enrolled in the Associate of Science degree program in Engineering Science Transfer at Bristol Community College into the Bachelor of Science degree in Electrical Engineering at the University of Massachusetts Dartmouth.

The University of Massachusetts Dartmouth's designated representative will be the Director of New Student Transfer and Bristol Community College's representative will be the Director of Transfer Affairs and Articulation.

FOR BRISTOL COMMUNITY COLLEGE

**FOR THE UNIVERSITY OF
MASSACHUSETTS DARTMOUTH**

Karen Dixon
Acting Dean of Academic Affairs

Richard Panofsky
*Associate Vice Chancellor for Academic
Affairs and Graduate Studies*

Vijay Raja
*Assistant Dean, Mathematics
Science and Engineering*

Antonio Costa
Dean, College of Engineering

Anthony Ucci
Department Chairperson for Engineering

Dayalan Kasilingam
*Department Chairperson for
Electrical and Computer Engineering*

| BCC Program: Engineering Science Transfer | | UMass Dartmouth Programs: Electrical Engineering [125 Credits] | |
|--|----------------|--|----------------|
| Program Core Courses | | UMass Dartmouth Equivalent Courses | |
| | Credits | | Credits |
| CHM 13 Fundamentals of Chemistry I | 4 | CHM 153 Principles of Modern Chemistry for Engineers | 3 |
| CIS 75 Software Specification and Design | 4 | ECE 264 Object Oriented Software Development | 4 |
| CIS 76 Introduction to Procedural Programming | 4 | ECE 160 Foundations of Computer Engineering I | 4 |
| MTH 54 Ordinary Differential Equations | 3 | MTH 212 Differential Equations | 3 |
| PHY 12 General Physics II | 4 | PHY 114 Classical Physics II | 4 |
| ETK 14 Engineering Applications of MATLAB | 1 | ECE 250 Fundamentals of MATLAB | 1 |
| ETK 29 Electrical Engineering I | 3 | ECE 201 Circuit Theory I | 3.5 |
| ETK 31 Electrical Engineering I Laboratory | 1 | | |
| ETK 30 Electrical Engineering II | 3 | ECE 202 Circuit Theory II | 3.5 |
| ETK 32 Electrical Engineering II Laboratory | 1 | | |
| ETK 67 Digital Computer Fundamentals | 4 | ECE 260 Digital Logic and Computer Design | 3.5 |
| <i>Any four-credit ETK course not already listed, provided ETK 29, ETK 31, MTH 14, MTH 15, and PHY 11 are completed and transferred.</i> | 4 | EGR 101 Intro. to Engineering through Applied Science I | 2 |
| | | EGR 102 Intro. to Engineering through Applied Science II | 2 |
| Total Credits Transferred (Computer Engineering & Electrical Engineering) | 73 | Total Credits Accepted in Transfer | 70.5 |
| Additional credits required to complete the Bachelor of Science in Electrical Engineering | | | |
| | | Electrical Engineering major courses: 12 courses | 36.5 |
| | | Technical electives: 3 courses | 9 |
| | | Math requirements: 1 course | 3 |
| | | Science elective: 1 course | 3 |
| | | General Education requirements: 1 course | 3 |
| | | General Education requirements remaining to be completed will differ depending on the electives taken at BCC. For instance, students who chose Economics at BCC will have completed the UMass Dartmouth Global Awareness (Area G) general education requirement; students who select Government 51 will have met the UMass Dartmouth Diversity (Area D) general education requirement. | |
| | | TOTAL | 54.5 |
| TOTAL REQUIRED FOR DEGREE | | | 125 |

| BCC Program: Engineering Science Transfer | | UMass Dartmouth Programs: Electrical Engineering [125 Credits] | |
|--|----------------|--|----------------|
| Program Core Courses | | UMass Dartmouth Equivalent Courses | |
| | Credits | | Credits |
| CHM 13 Fundamentals of Chemistry I | 4 | CHM 153 Principles of Modern Chemistry for Engineers | 3 |
| CIS 75 Software Specification and Design | 4 | ECE 264 Object Oriented Software Development | 4 |
| CIS 76 Introduction to Procedural Programming | 4 | ECE 160 Foundations of Computer Engineering I | 4 |
| MTH 54 Ordinary Differential Equations | 3 | MTH 212 Differential Equations | 3 |
| PHY 12 General Physics II | 4 | PHY 114 Classical Physics II | 4 |
| ETK 14 Engineering Applications of MATLAB | 1 | ECE 250 Fundamentals of MATLAB | 1 |
| ETK 29 Electrical Engineering I | 3 | | |
| ETK 31 Electrical Engineering I Laboratory | 1 | ECE 201 Circuit Theory I | 3.5 |
| ETK 30 Electrical Engineering II | 3 | | |
| ETK 32 Electrical Engineering II Laboratory | 1 | ECE 202 Circuit Theory II | 3.5 |
| ETK 67 Digital Computer Fundamentals | 4 | ECE 260 Digital Logic and Computer Design | 3.5 |
| <i>Any four-credit ETK course not already listed, provided ETK 29, ETK 31, MTH 14, MTH 15, and PHY 11 are completed and transferred.</i> | 4 | EGR 101 Intro. to Engineering through Applied Science I | 2 |
| Total Credits Transferred (Computer Engineering & Electrical Engineering) | 36 | EGR 102 Intro. to Engineering through Applied Science II | 2 |
| | | Total Credits Accepted in Transfer | 70.5 |
| Additional credits required to complete the Bachelor of Science in Electrical Engineering | | | |
| | | Electrical Engineering major courses: 12 courses | 36.5 |
| | | Technical electives: 3 courses | 9 |
| | | Math requirements: 1 course | 3 |
| | | Science elective: 1 course | 3 |
| | | General Education requirements: 1 course | 3 |
| | | General Education requirements remaining to be completed will differ depending on the electives taken at BCC. For instance, students who chose Economics at BCC will have completed the UMass Dartmouth Global Awareness (Area G) general education requirement; students who select Government 51 will have met the UMass Dartmouth Diversity (Area D) general education requirement. | |
| | | TOTAL | 54.5 |
| TOTAL REQUIRED FOR DEGREE | | | 125 |