Memorandum of Understanding
Between
Bridgewater State University
&
The University of Massachusetts Dartmouth

November 4, 2020

Purpose

This Memorandum of Understanding (MOU) summarizes an educational partnership agreement between Bridgewater State University (BSU) and the University of Massachusetts Dartmouth (UMassD) to provide graduate study opportunities for students who may attend both institutions. Both institutions are committed to provide students a unique opportunity to successfully complete their academic goals, an Accelerated Pathway for a BSU undergraduate student in Photonics and Optical Engineering to earn a master's degree in Electrical Engineering at UMassD. This agreement ensures that each institution serves the needs of students by providing them with appropriate guidance and advising information. Specifically, the MOU addresses course transfer as well as articulation agreement.

Goals

The goals of this agreement are to:

- Increase student educational opportunities
- Foster collaboration between institutions
- Increase student interest in each institution
- Establish collegiality and communication among BSU and UMassD faculty and administrators

BSU and UMassD hereby enter into the following agreement:

Provisions of Articulation Agreement

1. The institutions will develop and maintain an expanded articulation crosswalk (see Appendix A).

2. The institutions will develop a degree plan and clearly delineate courses to be taken at BSU and those to be completed at UMassD. This specified plan will be an informal contract between the two institutions and the students who choose to participate. This plan will guarantee to the student that the prescribed courses may be used toward the baccalaureate degree at BSU and master's in Electrical Engineering at UMassD. This is provided by the crosswalk in Appendix A and will be reviewed yearly for curriculum updates.

3. Students may apply to the accelerated pathway upon achieving classification as juniors with a major in Photonics and Optical Engineering. Students will 1) have a 3.2 or better GPA overall after completion of the fall semester of their junior year, 2) complete a short application to be reviewed by the Department of Electrical & Computer Engineering at UMassD, including unofficial transcripts, and 3) provide one letter of recommendation from a BSU faculty member in Photonics and Optical Engineering. Students will apply during the spring semester of their junior year. The BSU Department Chair will be responsible for sending applications to the Graduate Program Director in the Department of Electrical & Computer Engineering at UMassD by March 31st. A preliminary decision on conditional admission to the accelerated pathway will be communicated before the end of April during the applicant's junior year. As a result of preliminary admission

to the accelerated pathway, formal application and matriculation to the Electrical Engineering master's program at UMassD will be expedited. A formal application to the master's program will be required. An official acceptance into the master's program at UMassD will be conveyed to the student no later than May 31st of their junior year (see item 2, Appendix A).

4. UMassD tuition and fees will apply to the graduate-level UMassD course taken prior to student matriculation as a graduate student. Students will be considered undergraduates until the conferral of the undergraduate degree and will be billed for any UMassD credits at the undergraduate rate during this time. BSU may consider counting the graduate-level course taken at UMassD toward their BS degree to further incentivize participation (see item 2, Appendix A).

5. The institutions will engage in joint marketing efforts to promote the articulation partnership. Promotional efforts will include, but are not limited to, links on respective websites, information in institutional catalogs, and information in other university publications.

6. The institutions will strive to meet annually with the discipline faculty and administrators.

Terms

This agreement shall be effective on _____, 2020 and shall continue until terminated by either party giving one year written notice to the other party in order to protect all students transitioning between institutions. Any changes to this Memorandum of Understanding must be in writing.

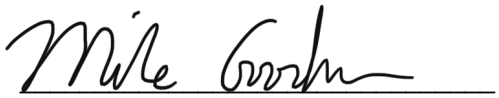
Notice

In witness whereof, the authorized representatives of the parties have executed this agreement on the ___ day of _____, 2020.

Bridgewater State University

_____
Karim Ismaili
Provost & Vice President of Academic Affairs

University of Massachusetts Dartmouth



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Michael Goodman
Acting Provost & Executive Vice Chancellor of Academic Affairs

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Appendix A

This appendix specifies the course equivalency for the accelerated pathway and defines the terms and conditions of the graduate-level courses at UMassD to be taken during the student's senior year.

Accelerated Pathway:

1. BSU and UMassD agree that BSU students who complete any two PHOE courses from the list below can apply six credits to the Electrical Engineering MS degree at UMassD. The required grade is B or better for each course. See (4) below for double counting credits.

   BSU PHOE 403 Semiconductor Devices (3 credits) → UMassD ECE 403 Special Topics in Electrical and Computer Engineering (3 credits)
   BSU PHOE 420 Laser Engineering with Lab (4 credits) → UMassD ECE 403 Special Topics in Electrical and Computer Engineering (3 credits)
   BSU PHOE 450 Photonics Integrated Circuit Design (3 credits) → UMassD ECE 403 Special Topics in Electrical and Computer Engineering (3 credits)

2. A BSU student may opt to take one graduate-level ECE course at UMassD during their senior year at BSU. The course should be chosen in consultation with the ECE graduate program director. The required grade is C or better. See (4) below for double counting credits.

3. A BSU student may opt to take one of the following computer science courses at BSU as part of their full-time load, which counts as a 500-level free elective in the ECE graduate program. The required grade for the computer science course at BSU is (B-, B minus) or better. See (4) below for double counting credits.

   COMP 590 Computer Architecture (3 credits) → Free Elective: ECE 562 Advanced Computer Architecture (3 credits)
   COMP 594 Computer Networks (3 credits) → Free Elective: ECE 569 Advanced Computer Networks (3 credits)

4. Double counting:
   a. With option (1) only, a maximum of 6 credits may be double counted toward the Photonics and Optical Engineering BS degree at BSU and Electrical Engineering MS degree at UMassD from the following set: PHOE 403, PHOE 420, PHOE 450. The student will have 6 credits invested toward the 30 credits required for the Electrical Engineering MS degree.
   b. With options (1) and (2) only, a maximum of 9 credits may be double counted toward the Photonics and Optical Engineering BS degree at BSU and Electrical Engineering MS degree at UMassD from the following sets: two courses from PHOE 403, PHOE 420, PHOE 450, and one graduate-level ECE course at UMassD. The student will have 9 credits invested toward the 30 credits required for the Electrical Engineering MS degree.
   c. With options (1) and (3) only, a maximum of 9 credits may be double counted toward the Photonics and Optical Engineering BS degree at BSU and Electrical Engineering MS degree at UMassD from the following sets: two courses from PHOE 403, PHOE 420, PHOE 450, and one course from COMP 590, COMP 594. The student will have 9 credits invested toward the 30 credits required for the Electrical Engineering MS degree.
   d. With options (1), (2) and (3), a maximum of 9 credits may be double counted toward the Photonics and Optical Engineering BS degree at BSU and Electrical Engineering MS degree at UMassD from the following sets: two courses from PHOE 403, PHOE 420, PHOE 450, and one course from COMP 590, COMP 594. By (3), the student will earn 3 credits for a standalone graduate-level ECE course at UMassD, which is excluded from the double counting scheme. All in all, the student will have 12 credits invested toward the 30 credits required for the Electrical Engineering MS degree.