

## Articulation Agreement

**Institution:** Massasoit Community College

**Date:** Fall 2018

**Transfer Institution:** UMASS Dartmouth

**Summary of Benefits:**

- **Guaranteed Admission with a cumulative GPA of 2.5**
- **Massachusetts tuition credit for students with a cumulative GPA of 3.0 (renewable if GPA is maintained 3.0 or better)**
- **Guaranteed transfer and applicability of 62.5 credits**

MCC: Engineering Transfer – Electrical Option	Credits	UMD: Computer Engineering	Credits
<b>General Courses</b>			
ENGL 101 English Composition I	3	ENL 101 Critical Writing and Reading I	3
ENGL 102 English Composition II	3	ENL 102 Critical Writing and Reading II	3
Humanities Elective*	3	University Studies	3
Humanities Elective*	3	University Studies	3
Social Science Elective*	3	University Studies	3
Social Science Elective*	3	University Studies	3
<b>Engineering Courses</b>			
ENGT 114 Digital Logic I with Lab & ENGT 204 Micro and Digital Systems with Lab & CTIM 375 Computer Programming and Data Structures with C	4 4 3	ECE 260 Digital Logic and Computer Design & ECE 160 Foundations of Computer Engineering I	3.5 4
ENGT 140 Intro to Engineering	4	EGR 111 Intro to Engineering and Computing	3
ENGT 270 Circuit Theory I with Lab	4	ECE 201 Circuit Theory I	3.5
ENGT 271 Circuit Theory II with Lab	4	ECE 202 Circuit Theory II	3.5
<b>Math &amp; Science Courses</b>			
CHM 151 General Chemistry I with Lab	4	CHM 151 Principles of Modern Chemistry I** & CHM 161 Introduction to Applied Chemistry I	3 1
MTH 221 Calculus I	4	MTH 151 Analytical Geometry and Calculus I	4
MTH 222 Calculus II	4	MTH 152 Analytical Geometry and Calculus II	4

MTH 223 Calculus III	4	MTH 211 Analytical Geometry and Calculus III	4
MTH 230 Ordinary Differential Equations	4	MTH 212 Differential Equations	3
PHY 161 General Physics I	4	PHY 113 Classical Physics I	4
PHY 162 General Physics II	4	PHY 114 Classical Physics II	4
<b>Total Credits</b>	<b>69</b>		<b>62.5</b>

Completion of the Bachelor's Degree may require 3 years. Students are encouraged to complete **ECE 263 Embedded System Design** prior to transfer. This course is usually offered during the Spring & Summer semesters and may be covered by the SACHEM agreement. Please note, ECE 260 is a prerequisite for this course.

\*Students should speak with the Engineering advisor at UMass Dartmouth about proper selection of Humanities and Social Science courses. Ideally, you will want to choose courses from the following UMass Dartmouth departments to meet these requirements: ARH, ECO, HST, HUM, MUS, PHL, PSY, SOA, SSE. Use UMass Dartmouth's equivalency database (<https://webapps.umassd.edu/transfers/>) to see how these courses may transfer.

\*\* Course will be used to meet a CPE Science Elective requirement.