



## Articulation Agreement of Academic Programs

between

**Massasoit Community College and UMass Dartmouth**

The above institutions hereby enter into an agreement to facilitate the transfer of students enrolled in the Associate's Degree program in Engineering Transfer: Mechanical option at Massasoit Community College into the Bachelor's Degree program in Mechanical Engineering at University of Massachusetts Dartmouth.

University of Massachusetts, Dartmouth's designated representative will be the Senior Coordinator for New Student Transfer and Massasoit Community College's representative will be the Coordinator of Transfer Affairs and Articulation.

### UMass Dartmouth Approval

### Massasoit Community College Approval

Magali Carrera  
Vice Provost for Academic Affairs

Barbara McCarthy  
Vice President of Academic Affairs

Ramprasad Balasubramanian  
Interim Dean, College of Engineering

Carine Sauvignon  
Dean of Emergent Technologies

Sankha Bhowmick  
Chair, Mechanical Engineering

Lawrence Wasko  
Chair, Engineering and Electronic Technologies

Date: 3/9/18

### Objectives:



1. To attract qualified students to Massasoit Community College and University of Massachusetts Dartmouth.
2. To promote and facilitate an efficient transition of transfer students between institutions.
3. To provide specific information and guidelines for transfer students.
4. To encourage academic coordination and cooperation, including curricular reviews, on-site visits, and joint academic advising for students attending Massasoit Community College.

#### **Stipulations and Guarantees:**

1. University of Massachusetts Dartmouth guarantees acceptance of Massasoit Community College students who complete the Engineering Transfer program with a cumulative GPA of 2.5.
2. Transfer students who complete the prescribed courses as designated in the attached articulation agreement with a C- or better will be guaranteed that sixty-eight credits will transfer and be applied to the University of Massachusetts Dartmouth Mechanical Engineering baccalaureate degree.
3. University of Massachusetts Dartmouth guarantees a Massachusetts tuition credit for Massasoit Community College students who complete the Engineering Transfer program with a cumulative GPA of 3.0. The tuition credit is renewable if GPA is maintained 3.0 or better.

#### **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. Massasoit Community College and University of Massachusetts Dartmouth will incorporate a summary of this agreement into official publications and websites.
3. Massasoit Community College and University of Massachusetts Dartmouth agree to encourage qualified students to participate in this program by providing information, advising and other assistance required to foster a seamless transition from the two-year institution to the four-year institution.

#### **Review/Revision:**

Both institutions will periodically review this agreement. Substantive changes in the courses or program of either institution will require a review of this articulation agreement. Revisions will be implemented with one-year notice prior to termination of the agreement.



# 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 68 credits**

MCC: Engineering Transfer – Mechanical Option	Credits	UMD: Mechanical 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>Core Courses</b>			
ENGT 140 Intro to Engineering	4	EGR 111 Intro to Engin. & Comp.	3
ENGT 272 Engineering Materials	4	MNE 231 Material Science	4
ENGT 273 Statics	3	EGR 241 Mechanics I: Statics	3
ENGT 274 Dynamics	3	EGR 242 Mechanics II: Dynamics	3
ENGT 275 Strength of Materials	4	MNE 101 Intro to Mechanical Engineering	3
ENGT 276 Engineering Thermodynamics	4	MNE 220 Thermodynamics	3
<b>Math &amp; Science Courses</b>			
CHM 151 General Chemistry I & Lab	4	CHM 151 Principles of Modern Chemistry I & CHM 161 Introduction to Applied Chemistry I	3 1
CHM 202 General Chemistry II & Lab	4	CHM 152 Principles of Modern Chemistry II **	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>72</b>		<b>68</b>
<b>Additional Courses Eligible for Transfer</b>			
ENGT 270 Circuit Theory I	4	ECE 211 Elements of Electrical Engineering I & ECE 251 Elements of Electrical Engineering Lab	3 1

\*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 transfer.

\*\*Course will be used to meet your MNE Science Elective requirement.

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