

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
General Courses			
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
Core Courses			
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
Math & Science Courses			
CHM 151 General Chemistry I & Lab	4	CHM 151 Principles of Modern Chemistry I & CHM 161 Introduction to Applied Chemistry I	3 1
CHM 152 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
Total Credits	72		68
Additional Courses Eligible for Transfer			
ENGT 270 Circuit Theory I	4	ECE 211 Elements of Electrical Engineering I &	3
		ECE 251 Elements of Electrical Engineering Lab	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.