

## Articulation Agreement

**Institution:** Cape Cod Community College

**Date:** Fall 2019

**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 58 credits**

Cape Cod Community College: Engineering Technology: Mechanical Engineering Pathway	Credits	UMD: Mechanical Engineering	Credits
<b>General Courses</b>			
ENL 101 English Composition I	3	ENL 101 Critical Writing and Reading I	3
<sup>1</sup> ENL 102 English Composition II	3	ENL 102 Critical Writing and Reading II	3
<sup>2</sup> Behavioral & Social Science	3	University Studies	3
<sup>2</sup> Behavioral & Social Science	3	University Studies	3
<b>Core Courses</b>			
ENR 103 Introduction to Robotics And COL 101 Success in STEM	4 3	EGR 111 Intro to Engineering and Computing	3
ENR 106 3D Mechanical Design I and ENR 107 3D Mechanical Design II	3 3	MNE 101 Introduction to Mechanical Engineering	3
<sup>3</sup> ENR 201 Statics	3	EGR 241 Engineering Mechanics I - Statics	3
<sup>3</sup> ENR 202 Dynamics	3	EGR 242 Engineering Mechanics II - Dynamics	3
<sup>3</sup> ENR 208 Thermodynamics	3	MNE 220 Engineering Thermodynamics I	3
<sup>3</sup> ENR 204 Circuit Theory I	4	ECE 211 Elements of Electrical Engineering I & ECE 251 Elements of Electrical Engineering Lab	3 1
<b>Math &amp; Science Courses</b>			
CHM 151 General Chemistry I	4	CHM 151 Principles of Modern Chemistry I & CHM 161 Introduction to Applied Chemistry I	3 1
MAT 240 Calculus I	4	MTH 151 Analytical Geometry and Calculus I	4

MAT 250 Calculus II	4	MTH 152 Analytical Geometry and Calculus II	4
MAT 260 Calculus III	4	MTH 211 Analytical Geometry and Calculus III	4
MAT 270 Differential Equations	3	MTH 212 Differential Equations	3
PHY 211 University Physics I	4	PHY 113 Classical Physics I	4
PHY 212 University Physics II	4	PHY 114 Classical Physics II	4
<b>Total Credits</b>	<b>65</b>		<b>58</b>
<b><i>Additional Courses Eligible for Transfer (Choose One)<sup>4</sup></i></b>			
CHM 152 General Chemistry II	4	CHM 152 Principles of Modern Chemistry II	3
CSC 120 Comp. Prog. I: C++	4	ECE 160 Foundation of Computer Engineering I	4

<sup>1</sup> Chosen as the Humanities & Fine Arts elective.

<sup>2</sup>Students should speak with an Engineering Student Support & Services (ES<sup>3</sup>) advisor at UMass Dartmouth about proper selection of these courses. Ideally, you will want to choose courses from the following UMass Dartmouth departments to meet these requirements: ECO, HST, HUM, MUS, PHL, PSC, PSY, SOA, SSE. Use UMass Dartmouth's equivalency database (<https://webapps.umassd.edu/transfers/>) to see how these courses transfer.

<sup>3</sup>Chosen as an Engineering Technology elective.

<sup>4</sup>Choose one course. Used to meet the MNE Science Elective requirement.