

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 higher)**
- **Guaranteed transfer and applicability of 58 credits**

Cape Cod Community College: Engineering Technology: Electrical Engineering Pathway	Credits	UMD: Computer Engineering	Credits
General Courses			
ENL 101 English Composition I	3	ENL 101 Critical Writing and Reading I	3
ENL 102 English Composition II	3	ENL 102 Critical Writing and Reading II	3
¹ Humanities & Fine Arts	3	University Studies	3
¹ Behavioral & Social Science	3	University Studies	3
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Core Courses			
ENR 103 Introduction to Robotics And COL 101 Success in STEM	4 3	EGR 111 Intro to Engineering and Computing	3
² ENR 110 Engineering and Scientific Computing	3	ECE 250 Fundamentals of MATLAB	2
² CSC 120 Comp. Prog. I: C++	4	ECE 160 Foundation of Computer Engineering I	4
² ENR 204 Circuit Theory I	4	ECE 201 Circuit Theory I	3.5
² ENR 205 Circuit Theory II	4	ECE 202 Circuit Theory II	3.5
Math & Science Courses			
CHM 151 General Chemistry I	4	³ CHM 151 Principles of Modern Chem 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
Total Credits	64		58

Note: Students interested in finishing their degree at UMass Dartmouth in two (2) years must complete equivalent courses to UMass Dartmouth's **ECE 260 Digital Logic & Computer Design** and **ECE 263 Embedded System Design** prior to transferring. These courses are offered at UMass Dartmouth during the fall and spring semesters and sometimes offered in the summer. Please note, ECE 260 is a prerequisite for ECE 263. These courses may also be covered by the SACHEM agreement when taken during the semester. Equivalent courses from other institutions are allowed but must be first approved by the department at UMassD. Speak with an Engineering Student Support & Services (ES³) advisor at UMassD for more information.

¹Students should speak with an ES³ 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.

²Chosen as an Engineering Technology elective.

³CHM 151 will meet the CPE Science Elective requirement.