

Articulation Agreement for BS Electrical Engineering

Summary of Benefits:

- Guaranteed Admission with a cumulative GPA of 2.5
- Massachusetts tuition credit for students with a BHCC cumulative GPA of 3.0 (renewable if UMassD GPA is maintained at 3.0 or better)
- Guaranteed transfer and applicability of 61.5 credits

BHCC: Electrical Engineering Transfer Option	Credits	UMD: Electrical Engineering	Credits
General Courses			
ENG 111 College Writing I	3	ENL 101 Critical Writing and Reading I	3
ENG 112 College Writing II	3	ENL 102 Critical Writing and Reading II	3
Community & Cultural Contexts ¹	3	University Studies	3
General Education Elective ¹	3	University Studies	3
Creative Work	3	University Studies	3
Engineering Courses			
ENR 101 Intro to Engineering w/lab	4	EGR 111 Intro to Engineering and Computing	3
ENR 271 Circuit Analysis Design I w/Lab	4	ECE 201 Circuit Theory I	3.5
ENR 272 Circuit Analysis Design II w/Lab	4	ECE 202 Circuit Theory II	3.5
ENR 275 Digital Logic Systems w/Lab	4	ECE 260 Digital Logic & Computer Design	3.5
CSC 120 Intro to Computer Science and OOP ²	4	ECE 160 Foundations of Computer Engineering I	4
Math & Science Courses			
CHM 201 General Chemistry I & Lab ²	4	CHM 151 Prin. of Modern Chem. I ³	3
MAT 281 Calculus I	4	MTH 151 Analytical Geometry and Calculus I	4
MAT 282 Calculus II	4	MTH 152 Analytical Geometry and Calculus II	4
MAT 283 Calculus III	4	MTH 211 Analytical Geometry and Calculus III	4
MAT 285 Ordinary Differential Equations	4	MTH 212 Differential Equations	3
MAT 291 Linear Algebra ²	4	MTH 221 Linear Algebra ⁴	3
PHY 251 College Physics I w/lab	4	PHY 113 Classical Physics I	4
PHY 252 College Physics II w/lab	4	PHY 114 Classical Physics II	4
Total Credits	67		61.5

Note: Students who want to be able to complete their degree at UMass Dartmouth in two (2) years must complete an equivalent course to UMass Dartmouth's **ECE 250 Fundamentals of MATLAB** prior to transferring. This course is offered at UMassD during the fall and spring semesters. Equivalent courses from other institutions are allowed but must have prior approval from UMassD. Speak with an ES³ advisor at UMass Dartmouth for more information.

¹ Choose any course except VMA 111.

² Chosen as one of your Career Electives.

³ Course will be used to meet one of your ELE Science Elective requirements.

⁴ Course will be used to meet your ELE Engineering Math requirement.