

Articulation Agreement for BS Mechanical Engineering

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 UMassD GPA is maintained at 3.0 or better)
- Guaranteed transfer and applicability of 57 credits

Bunker Hill Community College: Engineering Transfer	Credits	UMD: Mechanical 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 AND ENR 103 Fundamentals of CAD & Design ² AND CSC 125 Python Programming ²	4	EGR 111 Intro to Engineering and Computing	3
ENR 260 Engineering Statics	3	MNE 101 Intro to Mechanical Engineering	3
ENR 265 Engineering Dynamics	3	EGR 241 Eng. Mech. I: Statics	3
	3	EGR 242 Eng. Mech. II: Dynamics	3
Math & Science Courses			
CHM 201 General Chemistry I & Lab	4	CHM 151 Prin. of Modern Chem. I & CHM 161 Intro to Applied Chem. I	3 1
CHM 202 General Chemistry II & Lab	4	CHM 152 Prin. of Modern Chem. II 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
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	63		57

Note: Students who want to be able to complete their UMassD degree in two (2) years must complete UMass Dartmouth's MNE 220 – Engineering Thermodynamics before transferring. This course is regularly offered during the spring semester. 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 your MNE Science Elective requirement.