Articulation Agreement

Institution: Bristol Community College
Date: Spring 2015
Transfer Institution: UMASS Dartmouth
Summary of Benefits:

- **Guaranteed Admission with a cumulative GPA of 2.5**
- **Massachusetts tuition credit for graduates with a cumulative GPA of 3.0 (renewable if GPA is maintained 3.0 or better)**
- **Guaranteed transfer and applicability of 64.5 credits**

BCC: Engineering Transfer, Engineering Science	Credit(s)	UMassD: Computer Engineering	Credit(s)
General Courses			
ENG 101 Comp I: College Writing	3	ENL 101 Critical Writing and Reading I	3
ENG 102 Comp II: Writing about Literature	3	ENL 102 Critical Writing and Reading II	3
ENG 215 Technical Writing	3	ENL 266 Technical Communications	3
HST 114 United States History from 1877	3	HST 116 History of US II	3
SOC 101 Principles of Sociology	3	SOA 101 Introduction to Sociology	3
PHL 101 Introduction to Philosophy OR PHL 152 Ethics: Making Ethical Decisions in a Modern World	3	PHL 101 Introduction to Philosophy OR PHL 215 Introduction to Ethics	3
Core Courses *Students transferring to UMD for Computer Engineering must complete the courses listed below.*			
CSS 101 College Success Sem., EGR 131 Electrical Circuits I & EGR 204 Engineering Applications of MATLAB (only transferable if EGR231 & 233 are also completed and transferred.)	6	ECE 250 Fundamentals of MATLAB & EGR 111 Intro. to Engineering and Computing	2 / 3
EGR 231/233 Electrical Engineering with Lab I	4	ECE 201 Circuit Theory I	3.5
EGR 232/234 Electrical Engineering with Lab II	4	ECE 202 Circuit Theory II	3.5
EGR 137 Digital Electronics	4	ECE 260 Digital Logic and Computer Design	3.5
CIS 158 Introduction to Procedural Programming	4	ECE 160 Foundations of Computer Engineering I	4

Math & Science Courses			
CHM 113 Fundamentals of Chemistry I	4	CHM 151 Principles of Modern Chemistry I & CHM 161 Introduction to Applied Chemistry I	4
MTH 214 Calculus I	4	MTH 151 Calculus I	4
MTH 215 Calculus II	4	MTH 152 Calculus II	4
MTH 253 Calculus III	4	MTH 211 Analytical Geometry and Calculus III	4
MTH 254 Ordinary Differential Equations	3	MTH 212 Differential Equations	3
PHY 211 General Physics I	4	PHY 113 Classical Physics I	4
PHY 212 General Physics II	4	PHY 114 Classical Physics II	4
Additional Courses eligible for transfer			
CIS 260 Software Specification & Design	4	ECE 264 Object-Oriented Software Development	4
Total Credits	71		68.5

Note: Students that want to be able to complete their degree at UMass Dartmouth in 2 years <u>must</u> complete **UMass Dartmouth's ECE 263 – Embedded System Design** before transferring. This course is usually offered during the Spring and Summer semesters. Enrollment in the Spring semester may be covered by the SACHEM program. Please note both ECE 160 and ECE 260 must be completed prior to enrolling in ECE 263.