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	5
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 111 Analytical Geometry and Calculus I	4
MTH 215 Calculus II	4	MTH 112 Analytical Geometry and 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 must 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.