Articulation Agreement

Institution: Bristol Community College
Transfer Institution: UMass Dartmouth

Summary of Benefits:
- Guaranteed Admission with a cumulative GPA of 2.5
- Massachusetts full tuition waiver for graduates with a cumulative GPA of 3.0 (renewable if GPA is maintained 3.0 or better)
- Guaranteed transfer & applicability of 67 credits

<table>
<thead>
<tr>
<th>BCC: Engineering Transfer, Engineering Science</th>
<th>Credit(s)</th>
<th>UMass Dartmouth: Bioengineering</th>
<th>Credit(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Courses</strong></td>
<td></td>
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<tr>
<td>ENG 101 Comp I: College Writing</td>
<td>3</td>
<td>ENL 101 Critical Writing and Reading I</td>
<td>3</td>
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<tr>
<td>ENG 102 Comp II: Writing About Literature</td>
<td>3</td>
<td>ENL 102 Critical Writing and Reading II</td>
<td>3</td>
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<tr>
<td>ENG 215 Technical Writing</td>
<td>3</td>
<td>ENL 266 Technical Communications</td>
<td>3</td>
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<tr>
<td>HST 114 United States History from 1877</td>
<td>3</td>
<td>HST 116 History of US II</td>
<td>3</td>
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<tr>
<td>SOC 101 Principles of Sociology</td>
<td>3</td>
<td>SOA 101 Intro of Sociology</td>
<td>3</td>
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<tr>
<td>PHL 101 Intro to Philosophy Or PHL 152 Ethics: Making Ethical Decisions</td>
<td>3</td>
<td>PHL 101 Intro to Philosophy Or PHL 215 Intro to Ethics</td>
<td>3</td>
</tr>
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</table>

| **Core Courses**                             |           |                                 |           |
| BIO 126 Introduction to Biotechnology & EGR 204 Engineering Applications of MATLAB 3 | 1 | BNG 101 Introduction to Bioengineering | 3 |
| CSS 101 College Success Seminar & EGR 131 Intro to Electrical Circuits 1 | 4 | EGR 111 Intro to Engineering & Computing (Only transferable if EGR 231/233 are also completed and transferred.) | 3 |
| EGR 231/233 Electrical Engineering with Lab I 4 | 4 ECE 211/251 Elements of Electrical Engineering I/Lab | 4 |

| **Math and Science Courses**                 |           |                                 |           |
| BIO 121 Fundamentals of Biological Science I 4 | 4 BIO 121/131 Biology of Organisms/Lab I | 4 |
| BIO 122 Fundamentals of Biological Science II 4 | 4 BIO 122/133 Biology of Organisms/Lab II | 4 |
| CHM 113 Fundamentals of Chemistry I 4 | 4 CHM 151 Principles of Modern Chemistry I & CHM 161 Intro to Applied Chemistry I | 3 1 |
| CHM 114 Fundamentals of Chemistry II 4 | 4 CHM 152 Principles of Modern Chemistry II & CHM 162 Intro to Applied Chemistry II | 3 1 |
| MTH 214 Calculus I 4 | 4 MTH 151 Analytical Geometry & Calculus I | 4 |
| MTH 215 Calculus II 4 | 4 MTH 152 Analytical Geometry & Calculus II | 4 |
| MTH 253 Calculus III 4 | 4 MTH 211 Analytical Geometry & Calculus III | 4 |
| MTH 254 Ordinary Differential Equations 3 | 3 MTH 212 Differential Equations | 3 |
| PHY 211 General Physics I 4 | 4 PHY 113 Classical Physics I | 4 |
| PHY 212 General Physics II 4 | 4 PHY 114 Classical Physics II | 4 |

Additional courses eligible for transfer
- EGR 255 Thermodynamics 3 | MNE 220 Engineering Thermodynamics I 3 |

**Total Credits** 73 **Total Credits** 70

Date: Spring 2015