Articulation Agreement for BS Civil 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 63 credits

<table>
<thead>
<tr>
<th>Bunker Hill Community College: Engineering Transfer</th>
<th>UMD: Civil Engineering</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>General Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENG 111 College Writing I</td>
<td>3</td>
<td>ENL 101 Critical Writing and Reading I</td>
</tr>
<tr>
<td>ENG 112 College Writing II</td>
<td>3</td>
<td>ENL 102 Critical Writing and Reading II</td>
</tr>
<tr>
<td>Community &amp; Cultural Contexts¹</td>
<td>3</td>
<td>University Studies</td>
</tr>
<tr>
<td>General Education Elective¹</td>
<td>3</td>
<td>University Studies</td>
</tr>
<tr>
<td>Creative Work</td>
<td>3</td>
<td>University Studies</td>
</tr>
<tr>
<td>ECO 202 Microeconomics² or HON 200 Honors Seminar²</td>
<td>3</td>
<td>ECO 231 Microeconomics</td>
</tr>
<tr>
<td><strong>Engineering Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>ENR 101 Intro to Engineering w/lab</td>
<td>4</td>
<td>EGR 111 Intro to Engineering and Computing</td>
</tr>
<tr>
<td>ENR 103 Fundamentals of CAD &amp; Design²</td>
<td>3</td>
<td>CEN 161 Civil Engineering Design Graphics</td>
</tr>
<tr>
<td>ENR 265 Engineering Dynamics</td>
<td>3</td>
<td>EGR 242 Eng. Mech. II: Dynamics</td>
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<tr>
<td>ENR 270 Strength of Materials</td>
<td>3</td>
<td>CEN 202 Mechanics of Materials</td>
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<tr>
<td><strong>Math &amp; Science Courses</strong></td>
<td></td>
<td></td>
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<tr>
<td>CHM 201 General Chemistry I &amp; Lab</td>
<td>4</td>
<td>CHM 151 Principles of Modern Chemistry I &amp; CHM 161 Intro to Applied Chemistry I</td>
</tr>
<tr>
<td>CHM 202 General Chemistry II &amp; Lab</td>
<td>4</td>
<td>CHM 152 Principles of Modern Chemistry II</td>
</tr>
<tr>
<td>MAT 281 Calculus I</td>
<td>4</td>
<td>MTH 151 Analytical Geometry and Calculus I</td>
</tr>
<tr>
<td>MAT 282 Calculus II</td>
<td>4</td>
<td>MTH 152 Analytical Geometry and Calculus II</td>
</tr>
<tr>
<td>MAT 283 Calculus III</td>
<td>4</td>
<td>MTH 211 Analytical Geometry and Calculus III</td>
</tr>
<tr>
<td>MAT 285 Ordinary Differential Equations</td>
<td>4</td>
<td>MTH 212 Differential Equations</td>
</tr>
<tr>
<td>PHY 251 College Physics I w/lab</td>
<td>4</td>
<td>PHY 113 Classical Physics I</td>
</tr>
<tr>
<td>PHY 252 College Physics II w/lab</td>
<td>4</td>
<td>PHY 114 Classical Physics II</td>
</tr>
<tr>
<td><strong>Total Credits</strong></td>
<td>66</td>
<td>63</td>
</tr>
</tbody>
</table>

**Additional course eligible for transfer**
- CHM 251 Organic Chemistry I³

¹Any course except VMA 111.
²Chosen as one of your Career Electives.
³Course can be used to meet one of your CEN Technical Electives (as the CEN Science Elective).