ARTICULATION AGREEMENT

Between
BUNKER HILL COMMUNITY COLLEGE
ENVIRONMENTAL SCIENCE OPTION
ASSOCIATE IN SCIENCE

And the
UNIVERSITY OF MASSACHUSETTS LOWELL
COLLEGE OF SCIENCE
ENVIRONMENTAL SCIENCE
BACHELOR OF SCIENCE

Fall 2015
This articulation agreement has been established between Bunker Hill Community College (BHCC) and the University of Massachusetts Lowell (UML) College of Science—Environmental, Earth and Atmospheric Sciences Department. This agreement was developed with the intent of facilitating the success of students at Bunker Hill Community College and the University of Massachusetts Lowell as well as the transfer of course credits between the two partner institutions. Furthermore, these agreements are intended to serve as a guideline for those who desire to complete their Associate in Science—Environmental Science Option at Bunker Hill Community College while also transferring into the Bachelor of Science in Environmental Science at the University of Massachusetts Lowell.

Students completing the described course programs, in accordance with the minimum standards as set in this agreement, will be admitted to the corresponding Environmental Science Degree program at the University of Massachusetts Lowell. Furthermore, such students who complete the described series of courses will receive an Associate of Science Degree—Environmental Science Concentration at BHCC, and may qualify for tuition waiver through UML’s Massachusetts Advantage plus Program as described below. Students who do not meet the minimum standards set forth herein will be considered for admission to UML on a case-by-case basis.

OBJECTIVES:
1. To facilitate the completion of students’ Associate in Science—Environmental Science Concentration at BHCC.

2. To facilitate the completion of students’ Bachelor of Science Degree in Environmental Science at UML.

3. To encourage the transfer of qualified students from Bunker Hill Community College to the University of Massachusetts Lowell by providing effective and concise guidelines.

4. To award appropriate academic credit for courses completed at BHCC toward UML’s Environmental Science program.

TERMS OF THE TRANSFER ARTICULATION AGREEMENT:

1. This document is based upon the evaluation of course descriptions offered by BHCC and UML. BHCC courses as listed in this agreement will transfer to UML provided a grade of C- or higher has been earned. When appropriate, the requirements of the Mass Transfer Program will be honored. Courses judged below college level by the University of Massachusetts Lowell will not be accepted for transfer credit.
2. UML guarantees the acceptance of all students who complete those BHCC courses in the related concentrations as listed in the attached Program of Study with an overall GPA of 2.5 or higher to the Bachelor of Science in Environmental Science Degree Program.

3. UML guarantees the transfer of credit as stipulated in the attached Program of Study. The University of Massachusetts Lowell requires that at least 45 – 52 degree credits be completed in residence; the total number of credits required to earn a Bachelor of Science in Environmental Science from UML is 120 credits. The University of Massachusetts Lowell may accept courses beyond the Associates Degree (60 credits); however, students are encouraged to contact the transfer advisor at the University of Massachusetts for approval.

4. Students who complete the Associates of Sciences Geoscience Option from Bunker Hill Community College and graduate with a 3.0 GPA or better will have their tuition waived under the Massachusetts Tuition plus Program. After transferring students must maintain the 3.0 GPA at UMASS Lowell and they will continue to receive the tuition waiver for up to two years. In addition, students who complete the Mass Transfer Block of 34 General education credits will have their General Education courses waived at UMASS Lowell. Please refer to the Mass Transfer website for additional information.

5. Bunker Hill Community College transfer students will be subject to all general education requirements of the University of Massachusetts Lowell as set forth in the University of Massachusetts Lowell catalog. Bunker Hill Community College students interested in participating in the agreement should be advised to take liberal arts courses that will transfer as general education electives.

This agreement shall remain in effect for a period of three years from the date of its enactment, with the provision that the terms specified herein will continue to apply to students admitted from Bunker Hill Community College’s Associates in Science—Environmental Science Concentration program within one year of the expiration of the agreement. Each institution agrees to provide timely notice to the other in the event of any modification to the curriculum that might affect compatibility for admission and transfer of coursework. This agreement may be subject to change, with notification, if curriculum requirements change at either institution. Students admitted to the Bunker Hill Community College’s Associates in Science—Environmental Science Concentration program prior to such notification shall be admitted to the University of Massachusetts Lowell on the basis of this agreement. This agreement is conditional upon the Environmental, Earth and Atmospheric Science Department maintaining its program approval from the Massachusetts Board of Higher Education.
Bunker Hill Community College
Associate of Science—Environmental Science Concentration

To
University of Massachusetts Lowell
Bachelor of Science in Environmental Science—Environmental Studies & Environmental Geoscience Options

<table>
<thead>
<tr>
<th>BHCC</th>
<th>Required courses for BHCC Environmental Science Concentration</th>
<th>UML</th>
<th>Title</th>
<th>UML credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 111</td>
<td>3</td>
<td>42.101</td>
<td>College Writing I</td>
<td>3</td>
</tr>
<tr>
<td>ENG 112</td>
<td>3</td>
<td>42.102</td>
<td>College Writing II</td>
<td>3</td>
</tr>
<tr>
<td>GIS 124</td>
<td>4</td>
<td>87.199</td>
<td>Environmental Science Elective*</td>
<td>3</td>
</tr>
<tr>
<td>CHM 201</td>
<td>4</td>
<td>84.121 / 84.123</td>
<td>Chemistry I &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>CHM 202</td>
<td>4</td>
<td>84.122 / 84.124</td>
<td>Chemistry II &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIO 195</td>
<td>4</td>
<td>81.111 / 81.117</td>
<td>Principles of Biology I &amp; Lab</td>
<td>4</td>
</tr>
<tr>
<td>BIO 196</td>
<td>4</td>
<td>81.112 / 81.118</td>
<td>Principles of Biology II &amp; Lab</td>
<td>4</td>
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<tr>
<td>MAT 181</td>
<td>4</td>
<td>92.283</td>
<td>Introduction to Statistics</td>
<td>3</td>
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</table>

BHCC General Education Requirements

<table>
<thead>
<tr>
<th>Individual and Society</th>
<th>3</th>
<th>Varies - up to 18 credits (9 social science &amp; 9 arts and humanities.)</th>
<th>* Mass Transfer Block fulfills all General Education requirements.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Humanities</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>World View</td>
<td>3</td>
<td></td>
<td></td>
</tr>
<tr>
<td>Literature</td>
<td>3</td>
<td></td>
<td></td>
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</tbody>
</table>

Program Option electives and career electives**

<table>
<thead>
<tr>
<th>BHCC</th>
<th>UML</th>
<th>Title</th>
<th>UML credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHY 201</td>
<td>95.103 / 96.103</td>
<td>General Physics I and Lab</td>
<td>4</td>
</tr>
<tr>
<td>PHY 202</td>
<td>95.104 / 96.104</td>
<td>General Physics II and Lab</td>
<td>4</td>
</tr>
<tr>
<td>MAT 281</td>
<td>92.131</td>
<td>Calculus I</td>
<td>4</td>
</tr>
<tr>
<td>MAT 291</td>
<td>92.132</td>
<td>Calculus II</td>
<td>4</td>
</tr>
</tbody>
</table>

*GIS 124 will transfer to UML as 87.199, an environmental science elective. It cannot transfer as 87.301: GIS for Environmental Science, as that course is a 300 level course. However, exceptions can be made on a case-by-case basis.

**The Associate of Science—Environmental Science Concentration at Bunker Hill Community College requires several courses that do not have an equivalent at UMass Lowell. These courses should transfer as 87.199 or 89.199 electives and will fulfill the free elective category for the Bachelor of Science—Environmental Science at UMass Lowell.
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Associates in Science—Environmental Science Concentration
BUNKER HILL COMMUNITY COLLEGE
And the
Bachelor of Science in Environmental Science—Environmental Studies and Environmental
Geoscience

UNIVERSITY OF MASSACHUSETTS LOWELL
College of Science

Signature Page

Pam Y. Eddinger, PhD  Date  10/5/15
President
Bunker Hill Community College

Jaqueline F. Moloney  Date
Chancellor
University of Massachusetts Lowell

James F. Canniff, Ed.D.  Date  10/5/15
Associate Dean for Academic Affairs

Mark Hines  Date
Dean, College of Science

Laurie K. McCorry, PhD  Date  10/1/15
Dean, Science, Engineering & Health Programs

G. Nelson Eby  Date
Chair, Environmental, Earth & Atmospheric Science

Robert L. Steeper  Date  10/1/15
Chairperson, Science and Engineering Department

Gerald Durkin  Date  10/24/15
Associate Dean of Enrollment and Director of Transfer Admissions