ARTICULATION AGREEMENT

Between the

Associate in Science Degree:
Biological Science, Transfer Option

of

Bunker Hill Community College

and the

UNIVERSITY OF MASSACHUSETTS LOWELL

Fall 2010
This articulation agreement has been established between Bunker Hill Community College and the University of Massachusetts Lowell, Departments of Biological Science. This agreement was developed with the intent of facilitating the transfer process from Bunker Hill Community College (BHCC) to the University of Massachusetts Lowell. These agreements will serve as a guideline for those who desire to transfer from BHCC into the Biological Science program at the University of Massachusetts Lowell.

Students completing the AS Biological Science degree program at Bunker Hill Community College, in accordance with the minimum standards as set in this agreement by the Biological Science department at the University of Massachusetts Lowell, will be admitted to that department at the University of Massachusetts Lowell as juniors. Such students will qualify for all the benefits of the Joint Admissions Program. Students who do not meet the aforementioned minimum standards will be considered for admission to the University of Massachusetts Lowell on a case-by-case basis.

OBJECTIVES:
1. To encourage the transfer of qualified students from Bunker Hill Community College to the University of Massachusetts Lowell.
2. To award academic credit for courses completed at Bunker Hill Community College that meet the terms of the Biological Science Associate Degree as stated in this agreement for transfer to the Bachelor of Biological Science Degree at the University of Massachusetts Lowell.
3. To provide effective and concise guidelines for students seeking to transfer to the University of Massachusetts Lowell. Students will have accurate and clear information regarding the transfer of their coursework from BHCC to the Bachelor’s Degree at the University of Massachusetts Lowell.

TERMS OF THE TRANSFER ARTICULATION AGREEMENT:
1. The University of Massachusetts Lowell guarantees the acceptance of students who complete the Biological Science Associate Degree program at Bunker Hill Community College with an overall GPA of 2.5 or higher to the Bachelor of Biological Science.

2. The University of Massachusetts Lowell guarantees the transfer of credit as stipulated in the attached Programs of Studies. This agreement assumes the completion of the Associate Degree and completion of the courses listed on the attached Programs of Studies. The University of Massachusetts Lowell may require that 50% of the major is completed in residence; a minimum total of 120 credits must be completed to earn a Bachelor of Biological Science. The University of Massachusetts Lowell may accept courses taken beyond the Associate Degree (60 credits); however, students are encouraged to contact the transfer advisor at the University of Massachusetts Lowell for approval.

3. 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. Students meeting the requirement of the Mass Transfer will be exempt from 34 credits of University general education requirements, but will be required to meet any specific Biological Science department general education requirements. Meeting the Mass Transfer requires AS Biological Science students to take 3 additional credit hours in Behavioral and Social Science and 6 additional credit hours in Humanities and Fine Arts, beyond the requirements of the AS Biological Science Degree.

4. This document is based upon the evaluation of course descriptions presented to the University of Massachusetts Lowell. Courses as listed in this agreement will transfer to the University of Massachusetts Lowell provided a grade of a "C" or higher has been earned. When appropriate, the requirements of the Mass Transfer will be honored.

5. Bunker Hill Community College students interested in participating in this agreement should be advised to take the suggested liberal arts courses. These courses are required at the University of Massachusetts Lowell and students are advised to complete them as part of their Associate Degree.

This agreement shall remain in effect for a period of three years from the date listed below, with the provision that the terms specified herein will continue to apply to students admitted from Bunker Hill Community College's Biological Science Associate Degree 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 Biological Science Associate Degree 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 Biological Science Department maintaining its program approval from the Massachusetts Board of Higher Education.
Articulation Agreement
Between
Bunker Hill Community College
Associate of Science/Biology
&
University of Massachusetts Lowell
Bachelor of Science/Biology
Fall 2010

Signatures

Martin Meehan, Chancellor
University of Massachusetts Lowell

Mary L. Fifield, President
Bunker Hill Community College

Ahmed Abdelal
Provost

William Sakamoto, Acting Vice President, Academic Affairs
And Student Services

Robert Tamarin, Dean
College of Science

S. Leonard Mhlababa, Dean
Arts and Sciences

Mark Hines, Chairperson
Biological Sciences

Robert Steeper, Chairperson
Science Department

Gerald Durkin, Associate Dean of Enrollment/Director of Transfer Admissions

Date 7/8/10

Date 6/30/2010
### Bunker Hill Community College – U Mass Lowell

#### Transfer Articulation Agreement
Associate in Science Degree: Biological Science

<table>
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<tr>
<th>Bunker Hill Community College Degree Requirements</th>
<th>U Mass Lowell Transfer Course Equivalents</th>
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<tr>
<td><strong>Core Requirements – 16 Credits</strong></td>
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</tr>
<tr>
<td>BIO 195 General Biology/Lab I</td>
<td>81.111, 117</td>
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<tr>
<td>BIO 196 General Biology/Lab II</td>
<td>81.112, 118</td>
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<tr>
<td>CHM 201 General Chemistry/Lab I</td>
<td>84.121, 123</td>
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<tr>
<td>CHM 202 General Chemistry/Lab II</td>
<td>84.122, 124</td>
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<tr>
<td><strong>Bio Transfer Option 32-33 Credits</strong></td>
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<tr>
<td>MAT 281 Calculus I</td>
<td>92.131</td>
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<tr>
<td>PHY 201 General Physics/Lab I**</td>
<td>95.103/96.103</td>
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<tr>
<td>PHY 202 General Physics/Lab II**</td>
<td>95.104/96.104</td>
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<td><em>Plus 5 of the following:</em></td>
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<tr>
<td>CHM 251 Organic Chemistry/Lab I</td>
<td>84.221, 84.229</td>
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<tr>
<td>CHM 252 Organic Chemistry/Lab II</td>
<td>84.222, 84.230</td>
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<tr>
<td>MAT 183 Statistics I &amp; Lab</td>
<td>92.283</td>
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<td>MAT 282 Calculus II</td>
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<tr>
<td>BIO 120 Intro to Biotechnology</td>
<td>81.199</td>
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<tr>
<td>BIO 207 Cell Biology/Lab</td>
<td>35.211, 81.442</td>
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<tr>
<td>BIO 208 Genetics/Lab</td>
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<td>BIO 251 Biotechnology/Lab</td>
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<tr>
<td><strong>Gen Ed Requirements – 15 Credits</strong></td>
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<td>(detailed on attached pages)</td>
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<tr>
<td><strong>Total Credits</strong></td>
<td><strong>61-64</strong></td>
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**May substitute College Physics I & II PHY 251/PHY 252 – (95.141, 95.144)**
# Bunker Hill Community College General Education Requirements

<table>
<thead>
<tr>
<th>Bunker Hill Community College Gen Ed Requirements</th>
<th>U Mass Lowell Transfer Course Equivalents</th>
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<tbody>
<tr>
<td><strong>College Writing</strong></td>
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<tr>
<td>ENG111 College Writing I</td>
<td>42.101</td>
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<td>ENG112 College Writing II</td>
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<tr>
<td><strong>Individual &amp; Society: One course</strong></td>
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<tr>
<td>GOV101 Gov &amp; Politics in US</td>
<td>46.101</td>
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<tr>
<td>GOV103 State &amp; Local Politics</td>
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<td>PSY101 Principles of Psychology</td>
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<td>PSY107 Group Dynamics</td>
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<td>SOCI101 Principles of Sociology</td>
<td>48.101</td>
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<td>SOCI109 Cultural Anthropology</td>
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<td>PSY 131 Psych of Popular Culture</td>
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<td><strong>World View: One course</strong></td>
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<td>ECO201 Macroeconomics</td>
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<td>GEO101</td>
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<td>History of Western Civ II</td>
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<td>PHL113</td>
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<td>Quantitative Thought</td>
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<td>Science &amp; Technology</td>
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<td>FLM101</td>
<td>Film as Art</td>
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<td>MUS118</td>
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<td>THE107</td>
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<td>VMA122</td>
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<td>VMA123</td>
<td>Watercolor I</td>
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<td>VMA124</td>
<td>Printmaking I</td>
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<td>VMA161</td>
<td>Intro Digital Photography</td>
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<td>All 102 Level Language Courses</td>
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