



THE BOROUGH OF MANHATTAN COMMUNITY COLLEGE OF THE CITY UNIVERSITY OF
NEW YORK

ARTICULATION AGREEMENT FORM

A. SENDING AND RECEIVING INSTITUTIONS

Sending College:

Department: Science
Program: Health Science
Degree: Associate in Science (A.S.)

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Receiving College:

Department: Health Sciences  
Program: Exercise Science (Option 1) Exercise and Movement Science  
Degree: Bachelor of Science (B.S.)

**B. ADMISSION REQUIREMENTS FOR SENIOR COLLEGE PROGRAM**

(e.g., minimum GPA, audition/portfolio)

Associate of Science Degree Graduates of CUNY Colleges are exempt from all Required Core, Flexible Core, and Lower Level College Option Lehman College General Education requirements. To earn a Bachelor's Degree at Lehman College, CUNY Associate Degree graduates need to:

- complete at minimum 50% of the courses required for the major/minor in residence;
- two upper-level College Option interdisciplinary courses;
- two writing intensive courses;
- elective courses, if needed;
- 90 liberal arts credits are required for the BA, 60 liberal arts credits for the BS and 30 Liberal Arts Credits for the BFA.

Determination of the 60 Liberal Arts credits required for the baccalaureate degree in accordance with New York State Education Department requirements will be made by Lehman College.

Borough of Manhattan Community College graduates with the Associate Degree in Health Science will receive 60 credits toward the Bachelor of Science, Dietetics, Food, and Nutrition at Lehman College. In addition, they will be deemed to have met all Required Core, Flexible Core, and Lower Level College Option Lehman College General Education requirements at Lehman College.

Total transfer credits granted toward the baccalaureate degree: **60**

Total additional credits required at the senior college to complete baccalaureate degree: **60**

C. COURSE TO COURSE EQUIVALENCIES AND TRANSFER CREDIT AWARDED

| BMCC - Sending College                                                                           |     | Lehman - Receiving College Equivalent                                                                                           |     | Credit Granted |    |
|--------------------------------------------------------------------------------------------------|-----|---------------------------------------------------------------------------------------------------------------------------------|-----|----------------|----|
| Course & Title                                                                                   | Cr. | Course & Title                                                                                                                  | Cr. |                |    |
| <i>Required Common Core</i>                                                                      |     |                                                                                                                                 |     |                |    |
| English Composition<br>ENG 101 English Composition I                                             | 3   | English Composition<br>ENG 110 Principles of Effective Writing I                                                                | 3   | 3              | 3  |
| English Composition<br>ENG 201 English Composition II                                            | 3   | English Composition<br>ENG 120 Principles of Effective Writing II                                                               | 3   | 3              | 3  |
| Mathematics and Quantitative Reasoning<br>MAT 150 Introduction to Statistics                     | 3   | Mathematics and Quantitative Reasoning<br>MAT 132 Introduction to Statistics                                                    | 4   | 4              | 4  |
| Life and Physical Science<br>CHE 121 Fundamentals of General, Organic and Biological Chemistry I | 3   | Life and Physical Science<br>CHE 114 Essentials of General Chemistry Lecture<br>CHE 115 Essentials General Chemistry Laboratory | 3   | 1.5            | 4  |
| <i>Flexible Core</i>                                                                             |     |                                                                                                                                 |     |                |    |
| Creative Expression                                                                              | 3   | Creative Expression                                                                                                             | 3   | 3              | 3  |
| World Culture and Global Issues                                                                  | 3   | World Culture and Global Issues                                                                                                 | 3   | 3              | 3  |
| U.S. Experience in its Diversity                                                                 | 3   | U.S. Experience in its Diversity                                                                                                | 3   | 3              | 3  |
| Individual and Society                                                                           | 3   | Individual and Society                                                                                                          | 3   | 3              | 3  |
| Scientific World <sup>2</sup>                                                                    | 3   | Scientific World                                                                                                                | 3   | 3              | 3  |
| BIO 425 Anatomy and Physiology I                                                                 | 3   | BIO 181 Anatomy and Physiology I                                                                                                | 4   | 4              | 8  |
| BIO 426 Anatomy and Physiology II                                                                | 3   | BIO 182 Anatomy and Physiology II                                                                                               | 4   | 4              | 8  |
| <b>SUBTOTAL</b>                                                                                  |     |                                                                                                                                 |     |                |    |
| <b>18</b>                                                                                        |     | <b>20</b>                                                                                                                       |     |                |    |
| <b>SUBTOTAL</b>                                                                                  |     |                                                                                                                                 |     |                |    |
| <b>30</b>                                                                                        |     | <b>34</b>                                                                                                                       |     |                |    |
| <i>Curriculum Requirements</i>                                                                   |     |                                                                                                                                 |     |                |    |
| <i>Choose 7 credits from the following courses</i>                                               |     |                                                                                                                                 |     |                |    |
| BIO 420 Microbiology                                                                             | 4   | BIO 230 Microbiology                                                                                                            | 4   | 4              | 7  |
| CHE 125 Fundamentals of Biochemistry                                                             | 4   | CHEM 244 Introduction to Biochemistry Lecture<br>CHEM 245 Introduction to Biochemistry Laboratory                               | 3   | 1.5            | 4  |
| SCI 150 Nutrition                                                                                | 3   | HSD 240 Nutrition and Health                                                                                                    | 3   | 3              | 3  |
| SCI 151 The Science of Food                                                                      | 3   | DFN 120 The Nature and Science of Food                                                                                          | 3   | 3              | 3  |
| SCI 510 Pathophysiology                                                                          | 3   | Elective                                                                                                                        | 3   | 3              | 3  |
| SCI 530 Pharmacology                                                                             | 3   | Elective                                                                                                                        | 3   | 3              | 3  |
| CHE 122 Fundamentals of General, Organic and Biological Chemistry II                             | 4   | CHE 120 Essentials of Organic Chemistry Lecture<br>CHE 121 Essentials of Organic Chemistry Laboratory II                        | 3   | 1.5            | 4  |
| PHY 110 General Physics                                                                          | 4   | PHY 135 Fundamentals and Concepts of Physics                                                                                    | 4   | 4              | 4  |
| General Electives <sup>3</sup>                                                                   | 15  | General Electives                                                                                                               | 11  | 11             | 11 |
| <b>SUBTOTAL</b>                                                                                  |     |                                                                                                                                 |     |                |    |
| <b>60</b>                                                                                        |     | <b>26</b>                                                                                                                       |     |                |    |
| <b>TOTAL =</b>                                                                                   |     |                                                                                                                                 |     |                |    |
| <b>60</b>                                                                                        |     | <b>60</b>                                                                                                                       |     |                |    |

<sup>1</sup> Some of these credits can be satisfied by taking STEM variants in the Common Core.  
 Note: This program has received a waiver to specify particular courses students must take in some areas of the Common Core. If students take different courses in these areas, they will be certified as having completed the Common Core areas, but it may not be possible for them to finish their degree program within the regular number of credits.  
<sup>2</sup> The Flexible Core requires two courses in Scientific World.  
<sup>3</sup> General Electives include four credits earned from courses required in the Common Core.

**D. SENIOR COLLEGE UPPER DIVISION COURSES REMAINING FOR BACCALAUREATE DEGREE**

| <b>Course and Title</b>                                                                                                                              | <b>Credits</b> |
|------------------------------------------------------------------------------------------------------------------------------------------------------|----------------|
| <b>General Education Requirements</b>                                                                                                                |                |
| Choose two of the following:                                                                                                                         |                |
| LEH 352 Studies in Literature*                                                                                                                       | 3              |
| LEH 353 Studies in the Arts*                                                                                                                         | 3              |
| LEH 354 Historical Studies *                                                                                                                         | 3              |
| LEH 355 Studies in Phil, Theory, and Abstract Thinking*                                                                                              | 3              |
| <b>Subtotal</b>                                                                                                                                      | <b>6</b>       |
| <b>Program Requirements</b>                                                                                                                          |                |
| <u>Required Courses</u>                                                                                                                              |                |
| EXS 264 Introduction to Exercise Science                                                                                                             | 3              |
| EXS 265 Behavioral Aspects of Exercise and Physical Activity                                                                                         | 3              |
| EXS 315 Kinesiology/Biomechanics                                                                                                                     | 3              |
| EXS 316 Motor Learning and Performance                                                                                                               | 3              |
| EXS 323 Exercise Physiology I                                                                                                                        | 3              |
| EXS 326 Exercise Testing and Performance                                                                                                             | 3              |
| EXS 423 Exercise Physiology II                                                                                                                       | 3              |
| EXS 424 Principles and Practices of Fitness and Wellness Programs                                                                                    | 3              |
| EXS 425 Theory and Methods of Strength and Conditioning                                                                                              | 3              |
| EXS 430 Research Methods in Exercise Science                                                                                                         | 3              |
| EXS 470 Internship in Exercise Science I                                                                                                             | 3              |
| EXS 471 Internship in Exercise Science II                                                                                                            | 3              |
| HSD 269 Fundamental of Biostatistics for Health Professionals                                                                                        | 3              |
| <b>Subtotal</b>                                                                                                                                      | <b>39</b>      |
| PSY 166 General Psychology**                                                                                                                         | 3              |
| CIS 106 Computer Applications **                                                                                                                     | 3              |
| <b>Subtotal</b>                                                                                                                                      | <b>6</b>       |
| <b>Electives</b>                                                                                                                                     |                |
| <b>Elective Credits</b>                                                                                                                              |                |
| <i>Students may utilize these course credits to take additional courses in their major, pursue a minor, or complete courses of interest to them.</i> | <b>9</b>       |
| <b>Total Credits Earned at Lehman College</b>                                                                                                        | <b>60</b>      |
| <b>Total Credits Transferrable from BMCC</b>                                                                                                         | <b>60</b>      |
| <b>Total Credits Earned toward Baccalaureate</b>                                                                                                     | <b>120</b>     |

\*Borough of Manhattan Community College Students will be required to complete two writing intensive courses. Individual sections of courses will be designated as writing intensive, and students take writing intensive sections of courses in General Education, major, minor, and elective courses.

\*\* Course may be completed as part of the Associates degree.

**E. ARTICULATION AGREEMENT FOLLOW-UP PROCEDURES**

**1. Procedures for reviewing, updating, modifying or terminating agreement:**

When either of the degree programs involved in this agreement undergoes a change, the agreement will be reviewed and revised accordingly by faculty from each institution's respective departments, selected by their Chairpersons.

**2. Procedures for evaluating agreement, i.e., tracking the number of students who transfer under the articulation agreement and their success:**

Each semester Lehman College will provide the Borough of Manhattan Community College the following information: a) the number of BMCC students who applied to the program; b) the number of BMCC students who were accepted into the program; c) and the number of BMCC students who enrolled; d) the aggregate GPA of these enrolled students.

**3. Sending and receiving college procedures for publicizing agreement, e.g., college catalogs, transfer advisers, Websites, etc.:**

This articulation agreement will be publicizing on the Borough of Manhattan Community College's website, and xx website. Transfer advisors at BMCC will promote this agreement with eligible students.

**F. Additional Information (e.g., financial aid, transfer scholarships)**

**G. Advisor Recommendations**

Borough of Manhattan Community College students who plan to transfer into the Exercise Science degree program at Lehman College are advised to choose the Program Requirements and Program Electives listed below in order to satisfy the requirements for the A.S. degree in Health Science at BMCC and to ensure that the maximum number of credits are transferred to satisfy the Exercise Science major requirements at Lehman College. Refer to the college website for a list of the general requirements for the A.S. degree.

**Effective Date:** Fall 2014

**Borough of Manhattan Community College (CUNY)**

\_\_\_\_\_  
Robert Messina  
Acting Provost  
Borough of Manhattan Community College

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Date


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Joel Hernandez  
Chairperson –Department of Science  
Borough of Manhattan Community College

\_\_\_\_\_  
Date

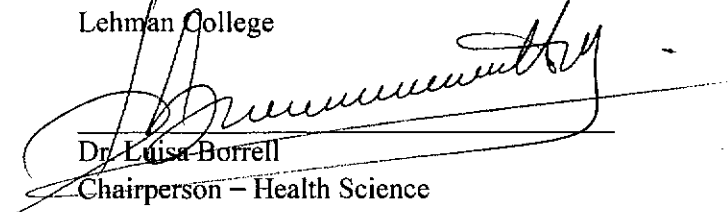
\_\_\_\_\_  
Charles Kosky  
Program Coordinator – Health Science  
Borough of Manhattan Community College

\_\_\_\_\_  
Date

**Lehman College (CUNY)**

  
\_\_\_\_\_  
Dr. Andy Morrobel-Sosa  
Provost and Vice President for Academic Affairs  
Lehman College

\_\_\_\_\_  
Date

  
\_\_\_\_\_  
Dr. Luisa Borrell  
Chairperson – Health Science  
Lehman College

\_\_\_\_\_  
3/26/14  
Date

