

Northeastern University
College of Professional Studies



Articulation Agreement of Academic Programs
between
Bristol Community College and
Northeastern University on behalf of College of Professional Studies

The above institutions hereby enter into an agreement to facilitate the transfer of students enrolled in the AS program in Life Sciences (Biology) at Bristol Community College into the BS program in Biological Science at Northeastern University College of Professional Studies. *(the "Program")*.

Northeastern University College of Professional Studies' designated representative ^{for communications hereunder} will be Elizabeth Zulick, Assistant Teaching Professor and Lead Faculty for Life Sciences and Bristol Community College's representative will be Katie Ruggieri, Professor of Biology and *Chair of Natural Sciences Department.*

Northeastern University College of Professional Studies Approval

Mary Loeffelholz
Dean, College of Professional Studies

Elizabeth Zulick
Assistant Teaching Professor & Lead Faculty for Life Sciences

June 4, 2018

Date

Bristol Community College Approval

Laura Douglas
President

Greg Sethares
Vice President for Academic Affairs

Sarmad Sarman
Dean of Mathematics, Science, and Engineering

Katie Ruggieri
Professor of Biology and *Chair of Natural Sciences Department*

6/21/18

Date

Approved As To Form



Michael W. Sipala, PhD
Associate Professor of Biology
Coordinator Life Sciences - Biology Program
Coordinator General Studies - Health and Life
Sciences

6/19/18

Date

Objectives:

1. To attract qualified students to Bristol Community College (BCC) and Northeastern University College of Professional Studies (CPS).
2. To promote and facilitate an efficient transition of transfer students between institutions.
3. To provide specific information and guidelines for transfer students.
4. To encourage academic coordination and cooperation, including curricular reviews, on-site visits, and joint academic advising for students attending Bristol Community College.

Stipulations:

1. BCC students who complete the AS program in Life Sciences (Biology) with an overall GPA of 2.5 on a 4.0 scale as outlined in this document will be eligible for transfer.
2. Only courses with an earned minimum grade of C will be considered for transfer. Courses designated as remedial or developmental are non-transferable. Science and technology courses completed more than seven years prior to the application date may be considered for transfer at the discretion of the CPS program director.
3. Transfer students designated above will not be required to take more than 68 additional credits to receive a baccalaureate degree.
4. BCC graduates who complete a CPS baccalaureate degree with a minimum overall GPA of 3.0 on a 4.0 scale, as part of this agreement, are eligible for admission into a CPS graduate degree and certificate program.
5. CPS retains the right to make the final decision on each student's application. Admission is not guaranteed.

Mutual Responsibilities:

1. Both institutions agree to maintain current listings of the course equivalencies. This will be the responsibility of the two designated representatives.
2. BCC and CPS will incorporate a summary of this agreement into official publications and web sites, as appropriate.
3. BCC and CPS agree to encourage qualified students to participate in this program by providing information, advising and other assistance required to foster a seamless transition from the two-year institution to the four-year institution.

Review/Revision/Termination:

1. Both institutions will periodically review this agreement. Substantive changes in the courses or program of either institution will require a review of this articulation agreement. Revisions will be implemented with one year notice unless a different timeline is agreed upon by both parties.
2. This Agreement shall continue until terminated by either party. Either institution may terminate this Agreement, with or without cause, provided that the terminating institution has given the other institution written notice at least 90 days prior to the effective date of such termination and further provided that no such termination shall adversely affect any student attending or

accepted by CPS by virtue of the terms of this Agreement. In the event that the said Agreement is not terminated, it will automatically be extended year by year.

Articulation Agreement

Institution: Bristol Community College

Date: May 31, 2018

Transfer Institution: Northeastern University College of Professional Studies

Summary of Benefits: After transferring in 66 credits from the AS in Life Sciences (Biology), students will complete 54 credits to earn a BS in Biological Science.

Bristol Community College, AS in Biology Courses			Northeastern University College of Professional Studies, BS in Biology Equivalencies		
Semester 1 – (15 credits)					
BIO 121	Fundamental of Biological Sciences I	4	BIO 1100 + BIO 1101	Principles of Biology I + Lab	4
CHM 113	Fundamentals of Chemistry I	4	CHM 1100 + CHM 1101	General Chemistry I + Lab	4
ENG 101	Composition I: College Writing	3	ENG 1105 + ENG 1106	College Writing 1 + Lab	3
CSS 101	College Success Seminar	1		Not transferable	0
COM 101	Fundamental of Public Speaking	3	CMN 2310	Professional Speaking	3
Semester 2 – (18 credits)					
BIO 122	Fundamental of Biological Sciences II	4	BIO 1200 + BIO 1201	Principles of Biology II + Lab	4
CHM 114	Fundamentals of Chemistry II	4	CHM 1200 + CHM 1201	General Chemistry II + Lab	4
ENG 102	Composition II: Writing about Literature	3	ENG 1107 + ENG 1108	College Writing 2 + Lab	3
MTH 172	Precalculus with Trigonometry	4	MTH 1200 + MTH 1990	Precalculus + MTH Elective	4
CIS110	Basic Computing Skills	3	ITC 1000	Computer Applications	3
Semester 3 – (17 credits)					
<i>History Elective</i> HST 113, 114, or 265	United States History to 1877, United States History from 1877, or Immigration and Ethnicity in American History	3	HST 1200, HST 1250, or HST 2425	American History 1: Precontact to the Civil War, American History 2: Reconstruction to the Present, or Coming to America: The American Immigrant Experience (<i>SI/DD Core</i>)	3
BIO 230	Seminar in Scientific Literature and Research Design	3	BIO 2990	Biology Elective	3
<i>Behavior/Social Science Elective</i> SOC 256	Race Relations	3	SOC 1230	Race and Ethnicity (<i>IC/DD Core</i>)	3

MTH214	Calculus I	4	MTH 2100 + MTH 2990	Calculus 1 + MTH Elective	4
<i>Program elective:</i> Take CHM 235 or PHY 211	Organic Chemistry I or General Physics I	4	CHM 2110 + CHM 2111 or PHY 1200 + PHY 2201	Organic Chemistry I + Lab or Physics I + Lab	4
Semester 4 – Fall (17 credits)					
<i>Multicultural Perspective Elective</i> Take any		3		<i>(Open Elective)</i>	3
PSY 101	General Psychology	3	PSY 1100	Foundations of Psychology	3
<i>Behavior/Social Science Elective</i> Take any	Social Science Elective	3		<i>(Open Elective)</i>	3
<i>Program elective:</i> Take CHM 236 or PHY 212	Organic Chemistry II or General Physics II	4	CHM 2200 + CHM 2201 or PHY 2200 + PHY 2201	Organic Chemistry I + Lab or Physics I + Lab	4
<i>Program elective:</i> Take BIO 239	Elements of Microbiology	4	BIO 2100 + BIO 2101	Microbiology + Lab	4
Total Credits Completed at Bristol Community College		67	Total Credits Accepted for Transfer		66
Total Transfer Credits Applied to BS in Biological Science Degree					66

BS in Biological Science
Courses to be taken at CPS

General Foundation			
Course Number	Title	Credits	Pre-Requisites/Note
ENG 3105 + ENG 3106	Writing for the Professions-Sci and Eng + Lab	4	ENG 1105 + ENG 1106; co-requisite ENG 3106
El Core	<i>Exploring Creative Expression/Innovation</i>	3	
General Foundation Total		7	
Major Foundation			
PHL 2140	Ethical Issues in Science and Engineering	3	
MTH 2105	Calculus II	3	MTH 2105
MTH 2310	Statistics for Behavioral Health Sciences	3	MTH 1100, MTH 1200, or MTH 2100
PHY 1200 + PHY 1201 <i>or</i> CHM 2110 + CHM 2111	Physics I + Lab <i>or</i> Organic Chemistry I + Lab	4	MTH 2100, MTH 2105, or MTH 2110; CHM 1200 + CHM 1201
PHY 2200 + PHY 2201 <i>or</i> CHM 2200 + CHM 2201	Physics II + Lab <i>or</i> Organic Chemistry II + Lab	4	PHY 1200 + PHY 1201; CHM 2110 + CHM 2111
Major Foundation Total		17	
Major Required Courses			
BIO 2300	Cell Biology	3	BIO1200 + BIO 1201
BIO 2500 + BIO 2501	Genetics and Molecular Biology + Lab	4	BIO1200 + BIO 1201
BIO 3100 + BIO 3101	Biochemistry + Lab	4	BIO1200 + BIO 1201
BIO 4850	Biological Sciences Senior Project	3	BIO 2300 + BIO 2500
Major Required Courses Total		14	
Major Electives			
<i>Choose 3 courses from BIO, BTC, or HSC prefix.</i>			
Major Electives Total		9	
Open Electives Total		7	
Credits to be taken at CPS		54	
Total Credits required for CPS BS Biological Science		120	