TRANSFER ARTICULATION AGREEMENT

HOLYOKE COMMUNITY COLLEGE

And

CLARK UNIVERSITY SCHOOL OF PROFESSIONAL STUDIES UNDERGRADUATE PROGRAMS

Biotechnology Option, Arts and Science, A.A.
To
Admission to Bachelor of Science Degree in Biotechnology

This Transfer Articulation Agreement ("Agreement") is made and entered into by and between CLARK UNIVERSITY SCHOOL OF PROFESSIONAL STUDIES UNDERGRADUATE PROGRAMS (SPS UG) at 950 Main Street in Worcester, Massachusetts and HOLYOKE COMMUNITY COLLEGE (HCC) at 303 Homestead Ave., Holyoke, Massachusetts.

This Agreement establishes the terms and conditions under which HCC students who complete the **Associate in Arts in Arts and Science Biotechnology Option** program may transfer to SPS UG's **Bachelor of Science in Biotechnology** with an additional opportunity to pursue a graduate certificate/degree at Clark University School of Professional Studies.

See Appendix A for the Transfer Table and Appendix B for the BS in Biotechnology curriculum.

Terms of Agreement

Clark University School of Professional Studies and Holyoke Community College hereby agree as follows:

1. Clark University School of Professional Studies Undergraduate Programs (SPS UG) agrees to accept graduates of HCC's **Associate in Arts in Arts and Science Biotechnology Option** program to SPS UG's **Bachelor of Science in Biotechnology** provided that eligible students graduate with a minimum cumulative Grade Point Average (GPA) of 2.5 on a 4.0 scale.
2. Eligible students must complete an online application for admission to Clark SPS UG. Students must meet program-specific admissions requirements to gain admission. Students are encouraged to submit their completed application six weeks prior to the intended term start. The application fee will be waived for program participants.
3. Clark University School of Professional Studies Undergraduate Programs retains the right to make the final decision on each student's application and reserves the right to rescind an offer

of acceptance if student is no longer considered in good academic standing or disciplinary sanctions occur between the time of acceptance and matriculation.

4. Eligible students will receive transfer credit for college-level courses completed at HCC with a grade of "C" or better. A status of incomplete ("I") or Pass ("P") will not be considered for transfer. For intended science and technology majors, science and technology courses completed more than seven years prior to the application date may be considered for transfer at SPS UG's discretion.
5. HCC graduates who complete a SPS UG baccalaureate degree with a minimum overall GPA of 3.0 on a 4.0 scale as part of this Agreement are eligible for general admission into a SPS graduate program. Specific graduate programs may require additional admissions criteria with specified application timelines. The application fee will be waived for program participants. Such graduates may qualify for scholarships to pursue their graduate studies.
6. Clark University SPS UG and HCC agree to endeavor to make this effort a success by providing information and advising to students on this Agreement and designating a contact person for all student inquiries and administrative issues.
7. HCC graduates who transfer to a SPS UG program as part of this Agreement will receive a Community College Transfer Scholarship upon acceptance. No additional application is required. Students may also be eligible for additional scholarships.
8. This Agreement becomes effective on the date of signature and continues in effect until either party provides written request to terminate the relationship.
9. This Agreement may be terminated or re-negotiated at the request of either institution while giving due protection to those students enrolled at either institution who expect to pursue this plan of study. Either institution may request the termination or change, with or without cause, by giving the other party written notice at least 90 days prior to the effective date of such termination or change. In the event that the said agreement is not terminated, it will automatically be extended. Substantive changes in courses or programs of either institution will necessitate a review of the agreement.
10. This Agreement does not preclude either institution from entering into agreements with others.

SIGNATURES OF APPROPRIATE INSTITUTIONAL LEADERS AND REPRESENTATIVES

HOLYOKE COMMUNITY COLLEGE

DocuSigned by:
Christina Royal 6/8/2021
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Christina Royal, President Date

DocuSigned by:
Anne Herron 6/4/2021
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Anne Herron, Interim Vice President of Academic Affairs Date

DocuSigned by:
Adrienne Smith 6/5/2021
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Adrienne Smith, Dean of Science, Technology, Engineering, & Mathematics Date

DocuSigned by:
Emily Rabinsky 6/4/2021
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Emily Rabinsky, Biotechnology Program Coordinator Date

DocuSigned by:
Mark Broadbent 6/5/2021
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Mark Broadbent, Coordinator of Transfer Affairs and Articulation Date

CLARK UNIVERSITY

DocuSigned by:
Davis Baird 6/5/2021
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Davis Baird, Provost Date

Appendix A: Transfer Table
HCC Associate in Arts in Arts and Science Biotechnology Option: SPS UG Bachelor of Science in Biotechnology

HCC Course			SPS UG Transfer Equivalent		
Course #	**Course Title**	**Credits**	**Course #**	**Course Title**	**Units**
ENG101	English I	3	ENG 1000	Introduction to Composition	0.75
BIO107	General Biology I: Introduction to Cell Functions	4	BIOL 1010	Introduction to Biology I	1
CHM121	Chemistry for Science and Engineering Students I	4	CHEM 1010	Introduction to Chemistry I	1
Humanities Elective Recommended COM 150	Public Speaking	3	COMM 1210	Effective Speaking & Presenting	0.75
Social Science Elective		3		Social Science Elective	0.75
ENG102	English II	3	ENG 1150	Intermediate Composition	0.75
BIO108	General Biology II: Diversity of Life on Earth	4	BIOL 1020	Introduction to Biology II	1
CHM124	Chemistry for Science and Engineering Students II	4	CHEM 1020	Introduction to Chemistry II	1
MTH104/108/113	Math (College Algebra, Precalculus OR Calculus)	4	MATH 1000/1110/1200	Math (College Algebra, Precalculus OR Calculus)	1
BIO106	Introduction to Biotechnology	4	BIOT 1000	Introduction to Biotechnology	1
Program Elective Recommended: CHM221	Organic Chemistry I	4	CHEM1310	Organic Chemistry I	1
BIO229	Microbiology	4	BIOL 1030	Microbiology	1
MTH142	Statistics	3	MATH 1150	Statistics	0.75
BIO240	Cell Culture and Protein Purification	4	BIOL T001	Biology Elective	1
Program Elective Recommended: PHS111	Physics I	4	PHYS 1010	Introductory Physics I	1
BIO113 *or* CRC101	Biotechnology Seminar *or* Career-Readiness Competencies	1	no transfer		0
Social Science Elective		3		Social Science Elective	0.75
Humanities Elective		3		Humanities Elective	0.75
		62			15.25

1 Clark unit = 4 HCC semester credits | 3 HCC semester credits = 0.75 Clark units | Clark's BS requires 32 units (128 semester credits) | Maximum Transfer Limit = 16 units (64 semester credits)

Appendix B:
SPS UG BS Biotechnology Curriculum
Remaining Requirements Post-Transfer

BS degree completion requirements:

- completion of courses as specified in curriculum
- 32 units (128 semester credits)
    - Minimum 16 units of which are completed at Clark University
- minimum 2.000 cumulative grade point average

Course #	Course Title	Transfer from HCC	Unit
ENG 1000	Introduction to Composition	ENG101	0.75
ENG 1105	Intermediate Composition	ENG102	0.75
COMM 1210	Effective Speaking & Presenting	COM150	0.75
MATH 1150	Statistics	MATH142	1
BIOL 1010	Introduction to Biology I	BIO107	1
BIOL 1020	Introduction to Biology II	BIO108	1
CHEM 1010	Introduction to Chemistry I	CHM121	1
CHEM 1020	Introduction to Chemistry II	CHM124	1
BIOL 1030	Microbiology I	BIO229	1
CHEM 1310	Organic Chemistry I	CHM221	1
PHYS 1010	Introductory Physics I	PHS111	1
BCMB 2000	Biochemistry I		
PSYC 1080	Experimental Methods		
		Remaining Units	**2**
Biotechnology Management			
BIOT 1000	Introduction to Biotechnology	BIO106	1
PA 1000	Introduction to Business		
BIOT 1100	Leadership and Management in Biotechnology		
BIOT 1200	Business Operations Management for Biotechnology		
BIOT 2400	Project Management in Biopharmaceutical Development		
COMM 2100	Scientific and Technical Communications		
PHIL 2000	Bioethical Issues in Biotechnology		
		Remaining Units	**6**
Regulatory Affairs			
BIOT 2000	QA/QC: Quality by Design for Biopharmaceuticals		
BIOT 2100	Good Clinical Practice: Exploring the Basics		
BIOT 2200	GLP & GMP Establishment for Biopharmaceuticals		
BIOT 2300	Regulatory Affairs Process for Biopharmaceuticals		
		Remaining Units	**4**

Data Management & Analytics			
CSCI 1800	Introduction to Data Analytics		
BIOT 1300	Introduction to Bioinformatics		
CSCI 2150	Database Management		
CSCI 1090 or CSCI 1100	Python Programming or R Programming		
		Remaining Units	**4**
Capstone			
BIOT 2999	Capstone		
		Remaining Units	**1**
Electives			
		BIO240	1
		Social Science Elective	0.75
		Humanities Elective	0.75
		MTH104/108/113	1
		Social Science Elective	0.75
		Remaining Units	**0**
		Total Remaining Units	**17**