



CHALLENGE CONVENTION.  
CHANGE OUR WORLD.

**TRANSFER ARTICULATION AGREEMENT  
QUINSIGAMOND COMMUNITY COLLEGE**

**And**

**CLARK UNIVERSITY SCHOOL OF PROFESSIONAL STUDIES UNDERGRADUATE PROGRAMS**

**Associate in Arts in General Studies - Biotechnology Option**

**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 QUINSIGAMOND COMMUNITY COLLEGE (QCC) at 670 West Boylston Street, Worcester, Massachusetts.

This Agreement builds upon the institutions' long-time working relationship and commitment to provide education opportunities for the Worcester area.

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

See Appendix A for the Transfer Table and Appendix B for the Bachelor of Science in Biotechnology curriculum.

**Terms of Agreement**

Clark University and QCC hereby agree as follows:

1. Clark University School of Professional Studies Undergraduate Programs (SPS UG) agrees to accept graduates of QCC **Associate in Arts in General Studies - Biotechnology Option** program to SPS UG's **Bachelor of Science in Biotechnology** program 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 all 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.


Clark University


950 Main Street • Worcester MA 01610-1477 USA • 508-793-7711 • clarku.edu


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 QCC 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. QCC 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 QCC 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. QCC 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 other 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**

**QUINSIGAMOND COMMUNITY COLLEGE**

DocuSigned by:  
  
9/17/2021  
7A64E1641D45446...  
Luis Pedraja, President Date

DocuSigned by:  
  
9/16/2021  
7CCF1766815040F...  
James Keane, Vice President of Academic Affairs Date

DocuSigned by:  
  
9/16/2021  
D8A9F414F91D4E8...  
Benjamin Benton, Interim Dean of the School of Math and Science Date

DocuSigned by:  
  
9/16/2021  
B65386FE25E0401...  
Archana Mudbidri, Coordinator of the General Studies-Biotechnology Program Date

DocuSigned by:  
  
9/15/2021  
AB7FDB1F3E7F414...  
Daniel de la Torre, Coordinator of Transfer & Articulation Date

**CLARK UNIVERSITY**

DocuSigned by:  
  
9/17/2021  
0A1FFF35B3F7437...  
Sebastián Royo, Provost Date

## Appendix A: Transfer Table

## QCC Associate in Arts in General Studies – Biotechnology Option: SPS UG Bachelor of Science in Biotechnology

QCC Course			Clark SPS UG Transfer Equivalent		
Course Title	Course #	Credits	Course Title	Course #	Units
<b>Semester 1</b>					
Principles of Biology I	BIO 107	4	Introduction to Biology I	BIOL 1010	1
Introduction to Biotechnology	BTT 101	3	Introduction to Biotechnology	BIOT 1000	0.75
General Chemistry I	CHM 105	4	Introduction to Chemistry I	CHEM 1010	1
Composition I	ENG 101	3	Introduction to Composition	ENG 1000	0.75
	<b>Total</b>	<b>14</b>			
<b>Semester 2</b>					
Cell Biology	BIO 259	4	Biology Elective ( <i>Sub for BIOL 1020 Introduction to Biology II</i> )	BIOL T001	1
General Chemistry II	CHM 106	4	Introduction to Chemistry II	CHEM 1020	1
Composition II	ENG 102	3	Intermediate Composition	ENG 1150	0.75
Statistics	MAT 122	3	Statistics	MATH 1150	0.75
	<b>Total</b>	<b>14</b>			
<b>Semester 3</b>					
General Microbiology	BIO 231	4	Microbiology I	BIOL 1030	1
College Mathematics I: Pre-Calculus	MAT 123	3	Precalculus	MATH 1110	0.75
Speech Communication Skills	SPH 101	3	Effect. Speaking & Presenting	COMM 1210	0.75
History Elective	---	3	History Elective	HIST T001	0.75
	<b>Total</b>	<b>13</b>			
<b>Semester 4</b>					
Molecular Biology	BIO 260	4	Biology Elective	BIOL T002	1
College Mathematics II: Trigonometry	MAT 124	3	Math Elective	MATH T001	0.75
Humanities Elective	---	3	No transfer-not needed in BS		0
Social Science Elective	---	3	No transfer-not needed in BS		0
	<b>Total</b>	<b>13</b>			
<b>Semester 5 (Summer)</b>					
Techniques in Biotechnology I	BTT 211	3	Biotechnology Elective	BIOT T001	0.75
Techniques in Biotechnology II	BTT 212	3	Biotechnology Elective	BIOT T002	0.75
	<b>Total</b>	<b>6</b>			
<b>Total Credits Required</b>		<b>60</b>	<b>Total Transfer Units to</b>		<b>13.5</b>

1 SPS unit = 4 semester credits; 3 semester credits = 0.75 SPS units

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

### BS degree completion requirements:

- completion of courses as specified in curriculum
- minimum of 32 units (128 semester credits)
  - Minimum 16 units of which are completed at Clark University
  - minimum 2.000 cumulative grade point average (gpa); Transfer credits are not used in calculating gpa at Clark University

General Education		Unit	Transfer from QCC		Unit	Note
ENG 1000	Introduction to Composition	1	Composition I	ENG 101	0.75	
ENG 1105	Intermediate Composition	1	Composition II	ENG 102	0.75	
COMM 1210	Effective Speaking & Presenting	1	Speech Communication Skills	SPH 101	0.75	
			<i>Complete Remaining Units</i>		<i>0</i>	
Math/Science						
MATH 1150	Statistics	1	Statistics	MAT 122	0.75	
BIOL 1010	Intro to Biology I	1	Principles of Biology I	BIO 107	1	
BIOL 1020	Intro to Biology II	1	Cell Biology	BIO 259	1	pre-approved substitution
CHEM 1010	Intro to Chemistry I	1	General Chemistry I	CHM 105	1	
CHEM 1020	Intro to Chemistry II	1	General Chemistry II	CHM 106	1	
BIOL 1030	Microbiology I	1	General Microbiology	BIO 231	1	
CHEM 1310	Organic Chemistry I	1				Recommendation: take CHM 201 at QCC outside of the QCC GS-Biotechnology program
PHYS 1010	Introductory Physics I	1				Recommendation: take PHY 101 at QCC outside of the QCC GS-Biotechnology program
BCMB 2000	Biochemistry I	1				
PSYC 1080	Experimental Methods	1				
			<i>Complete Remaining Units</i>		<i>4</i>	
Biotechnology Management						
BIOT 1000	Introduction to Biotechnology	1	Introduction to Biotechnology	BTT 101	0.75	
PA 1000	Introduction to Business	1				
BIOT 1100	Leadership and Management in Biotechnology	1				
BIOT 1200	Business Operations Management for Biotechnology	1				
BIOT 2400	Project Management in Biopharmaceutical Development	1				
COMM 2100	Scientific and Technical Communications	1				
PHIL 2000	Bioethical Issues in Biotechnology	1				

				<i>Complete Remaining Units</i>	<b>6</b>
<b>Regulatory Affairs</b>					
BIOT 2000	QA/QC: Quality by Design for Biopharmaceuticals	1			
BIOT 2100	Good Clinical Practice: Exploring the Basics	1			
BIOT 2200	GLP & GMP Establishment for Biopharmaceuticals	1			
BIOT 2300	Regulatory Affairs Process for Biopharmaceuticals	1			
				<i>Complete Remaining Units</i>	<b>4</b>
<b>Data Management &amp; Analytics</b>					
CSCI 1800	Introduction to Data Analytics	1			
BIOT 1300	Introduction to Bioinformatics	1			
CSCI 2150	Database Management	1			
CSCI 1090 or CSCI 1100	Python Programming or R Programming	1			
				<i>Complete Remaining Units</i>	<b>4</b>
<b>Capstone</b>					
BIOT 2999	Capstone	1			
				<i>Complete Remaining Units</i>	<b>1</b>
<b>Electives</b>	<i>Complete 1 from below or choose a different course for which you qualify to take</i>				
BIOT T001	Biotechnology Elective		Techniques in Biotechnology I	BTT 211	0.75
BIOT T002	Biotechnology Elective		Techniques in Biotechnology II	BTT 212	0.75
BIOL T002	Biology Elective		Molecular Biology	BIO 260	1
MATH T001	Math Elective		College Math II: Trigonometry	MAT 124	0.75
MATH 1110	Precalculus		College Math I: Pre-Calculus	MAT 123	0.75
	History Elective		History Elective	---	0.75
				<i>Complete Remaining Units</i>	<b>0</b>

**Total Transfer Units 13.5\***

**Total Remaining Units 19**

\* Clark University allows a maximum of 16 units in transfer. Due to credit conversion and bachelor's degree requirements, QCC students completing the General Studies-Biotechnology program will be awarded 13.5 units toward the BS degree. QCC students are recommended to take the following two courses outside of the GS-Biotechnology program to maximize transfer credits towards bachelor's degree requirements: CHM 201 Organic Chemistry I and PHY 101 Physics I.