

ARTICULATION AGREEMENT
IN BIOTECHNOLOGY AND MOLECULAR BIOSCIENCE
BETWEEN
JAMESTOWN COMMUNITY COLLEGE
AND
ROCHESTER INSTITUTE OF TECHNOLOGY

PURPOSE OF AGREEMENT

This document establishes a transfer articulation agreement between Jamestown Community College (JCC) and Rochester Institute of Technology (RIT). Its purpose is to afford students the opportunity to pre-plan their college careers, and to facilitate the transfer process from the Associate in Science (A.S.) Biotechnology degree program at JCC to the Bachelor of Science (B.S.) Biotechnology and Molecular Bioscience degree program at RIT.

GENERAL GUARANTEE OF ADMISSION AND STANDING

Students who graduate from JCC with the A.S. Biotechnology degree are guaranteed acceptance into the B.S. Biotechnology and Molecular Bioscience degree program at RIT provided they have a minimum Jamestown Community College cumulative grade point average of 2.8. Students who transfer 60 or more credit hours to RIT are guaranteed full junior standing upon matriculation.

GENERAL GUARANTEE TO GRADUATE

Students who graduate from JCC having earned a minimum grade of C for at least 54 credit hours from among the courses listed in Appendix A of this agreement are guaranteed the opportunity to earn the B.S. Biotechnology and Molecular Bioscience degree with four semesters of normal coursework at RIT. At least 45 of the credit hours used toward a RIT degree program must be earned by successfully completing RIT courses. In addition, at least 30 of the final 45 credit hours of any program must be earned through RIT courses.

**ROCHESTER INSTITUTE OF TECHNOLOGY
B.S. BIOTECHNOLOGY AND MOLECULAR BIOSCIENCE DEGREE
REQUIREMENTS AND JAMESTOWN COMMUNITY COLLEGE
EQUIVALENT COURSES**

<u>RIT REQUIRED COURSES</u>	<u>CREDIT HOURS</u>	<u>JCC EQUIVALENT COURSES</u>	<u>CREDIT HOURS</u>
BIOL-121 Introduction to Biology	4	BIO 1570 Principles of Biology I (or BIO 1575 Biology: A Molecular Approach)	4
BIOL-122 Introduction to Biology II	4	BIO 1580 Principles of Biology II (or BIO 2660 Zoology <u>and</u> BIO 2670 Botany - counts as equivalent to BIOL-122 and 4 credit hours of Program Electives)	4

BIOL-201 Cell and Molecular Biology w/ Lab	4	BIO 2800 Cell and Molecular Biology	4
BIOL-204 Microbiology w/ Lab	4	BIO 2530 Microbiology (w/ Lab) or BIO 2531 Microbiology and BIO 2532 Microbiology Lab	
BIOL-321 Genetics <u>and</u> 1 credit hour of Program Electives	4	BIO 2560 Genetics	4
BIOL-325 Bioinformatics Analysis of Macromolecules	3		
CHMB-402 Biochemistry I	3		
CHMB-403 Biochemistry II	3		
CHMG-141/145 LAS Perspective 5: General and Analytical Chemistry I/Lab	4	CHE 1550 College Chemistry I	4
CHMG-142/146 LAS Perspective 6: General and Analytical Chemistry II/Lab	4	CHE 1550 College Chemistry II	4
CHMO-231/235 Organic Chemistry I/Lab	4	CHE 2530 Organic Chemistry I	4
CHMO-232/236 Organic Chemistry II/Lab	4	CHE 2530 Organic Chemistry I	4
LAS Foundation 2: First Year Writing	3	ENG 1530 English Composition II	3
LAS Immersion 1, 2, 3*	9	See below*	9
LAS Perspective 1 (Ethical)	3	Choose one of the following:	3
		ANT/BIO/CMM 2600 Planet Earth: Critical Topics	
		or BIO/PHL 2570 Environmental Issues and Ethics	
		or BIO XXXX Introduction to Environmental Studies	
		or PHL 1510 Introduction to Philosophy	
		or PHL 1570 Critical Reasoning	
		or PHL 2550 Philosophy of Religion	
		or PHL 2610 Introduction to Ethical Theory	
		or PHL 2630 Contemporary Moral Problems	
		or PHL 2550 Introduction to Formal Logic	
		or PHL 2720 Biomedical Ethics	
LAS Perspective 2 (Artistic)	3	Choose one of the following:	3
		ART 1550 Survey of Visual Art: Prehistoric-Medieval	
		or ART 1560 Survey of Visual Art: Renaissance-Contemporary	
		or ENG 2540 Creative Writing	

- or ENG 2840 Film Study and Appreciation
- or ENG 2890 Advanced Prose Writing
- or MUS 1510 Introduction to Music
- or MUS 1570 Music Theory I
- or MUS 1590 American Music: Classic/Popular
- or THE 1510 Introduction to Theater

LAS Perspective 3 (Global)

3

Choose one of the following:

3

- ART 1550 Survey of Visual Art: Prehistoric-Medieval
- or ART 1560 Survey of Visual Art: Renaissance-Contemporary
- or ANT 1510 Human Evolution and Prehistory
- or ANT 1520 Introduction to Cultural Anthropology
- or ANT/REL 1530 Comparative Religion
- or ANT 2510 People and Cultures of the Americas
- or ANT 2520 People and Cultures of the World
- or ANT/REL 2570 History of World Religions
- or BIO 2620 Tropical Biology Seminar
- or BIO XXXX Introduction to Environmental Studies
- or BUS 1650 Global Business
- or ECO 2610 Principles of Macroeconomics
- or ECO 2620 Principles of Microeconomics
- or ENG 2730 World Mythology
- or GEO 1520 World Regional Geography
- or GLS 1500 Introduction to Global Studies
- or HIS 1510 World History Before 1500
- or HIS 1520 World History Since 1500
- or POL 1520 World Politics
- or POL 2860 European Union
- or REL 1510 Introduction to the Hebrew Bible/Old Testament
- or REL 2570 History of World Religions

		or REL 2580 Survey of Islamic Studies	
		or RUS 2560 Russian Civilization and Culture	
		or SPA 2530 Introduction to Spanish Literature	
		or SPA 2560 Latin American Civilization and Culture	
		or THE 1630 London Theatre Seminar	
		or any course in ARA, FRE, GER, or SPA	
LAS Perspective 4 (Social)	3	Any course in ANT, ECO, GEO, HIS, POL, PSY, or SOC	3
MATH-161 LAS Perspective 7A: Applied Calculus	4	MAT 120 Applied Technical Calculus (or MAT 1710 Calculus & Analytic Geometry I)	4
Choose one of the following:	3	MAT 1540 Elementary Statistics	3
STAT-145 LAS Perspective 7B: Introduction to Statistics			
or STAT-155 LAS Perspective 7B: Biostatistics			
Program Electives	38	Choose from among:	up to 38
		BIO 1820 SURI: Biotechnology I	4
		BIO 1830 SURI: Environmental I	4
		BIO 2820 SURI: Biotechnology II	4
		BIO 2830 SURI: Environmental II	4
		BIO 2810 Biotechnology Research	2
		BIO 1700 Immunology	4
		BIO 2510/2520 Anatomy and Physiology I/II	8
		PHY 1610 General Physics I or PHY 1710 Analytical Physics I	4
		PHY 1620 General Physics II or PHY 1720 Analytical Physics II	4
LAS Elective	3	Liberal Arts and Sciences Elective	3
Free Electives	6	Free Electives	up to 6

*LAS Immersion 1, 2, and 3 consists of a series of three related general education courses that further broaden a student's judgment and understanding within a specific area through deeper learning. For more information, students should check with the Gosnell School of Life Sciences at RIT, or go to the RIT Undergraduate Bulletin at http://www.rit.edu/upub/pdfs/Undergrad_Bulletin.pdf.