

QUEENSBOROUGH COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>Associate in Science in Biology</i>		<i>Bachelor of Science in Biology</i>	
Course	Credit	Course	Credit
Common Core Requirements: 35 credits			
ENGL-101 English Composition I	3	FCWR 101 Writing I	3
ENGL-102 English Composition II	3	FCWR 151 Writing II	3
MA-441 Analytic Geometry & Calculus I	4	MATH 170 Calculus I	4
BI-201 General Biology I	4	BIOL 110 General Biology I	4
World Culture and Global Issues <i>Recommended: ANTH Anthropology course</i>	3	ICBS Behavioral Science Elective	3
SP-211 Speech Communication	3	FCSP 105 Foundations of Speech Communication	3
Creative Expression	3	FCIQ 101 Foundations of Inquiry [^]	3
Individual & Society <i>Recommended: PHIL Philosophy course</i>	3	ICPH Philosophy Elective	3
CH-151 General Chemistry I	4.5	CHEM 110 General Chemistry I	4
CH-152 General Chemistry II	4.5	CHEM 150 General Chemistry II	4
		Elective (CH-151, CH-152)	1
Major Requirements: 7 credits			
BI-202 General Biology II	4	BIOL 150 General Biology II	4
BI-203 Cell Biology	3	BIOL 432 Cell Biology	3
Major Electives: 7-16 credits	7-8	Course Equivalents, as noted	7-8
BI-235 Human Anatomy (4)		<i>Combine with BI-421^{^^}</i>	
BI-421 Human Physiology (4)		BIOL210 Anatomy & BIOL310 Physiology ^{^^} (8)	
BI-356 Principles of Genetics (4)		BIOL 233 Genetics (4)	
BI-461 Microbiology (4)		BIOL 235 Microbiology	
BI-456 Introduction to Biological Research (4)		BIOL 395 Intro to Scientific Literature (3) <i>and</i> Biology Elective credit (1)	
BI-453 Biotechnology (5)		BIOL 341 Genetic Engineering (3) <i>and</i> Biology Elective credit (2)	
BI-554 Research Laboratory Internship (2)		BIOL 491 Independent Research I (1) <i>and</i> Biology Elective credit (1)	
BI-357 Bioinformatics (3)		BIOL 350 Bioinformatics (3)	
<i>Transfer credit as noted will be awarded for QBCC Biology courses taken in lieu of MA 119, MA 121 and/or MA 440</i>			
Additional Requirements for the Major			
MA-119 College Algebra	3	Elective	3
MA-121 Trigonometry	1	Elective	1
MA-440 Pre-Calculus Mathematics	4	MATH 141 Precalculus	4
HE-101 Intro Health Educ <i>or</i> HE-102 Health, Behavior, Society	1-2	Elective	1-2
One credit in PE-400, PE-500, or DAN-100 series	1	Elective	1
TOTAL	60	TOTAL	60

▪ Follow “Recommended” courses to maximize transfer credit to New York Tech

[^]Course substitution awarded on the basis of this agreement

^{^^}BI-235 and BI-421 required to receive transfer credit for BIOL 210/BIOL 310

Program of Study at New York Institute of Technology

Bachelor of Science in Biology

Courses to be completed at New York Tech

<u>Core and additional requirements</u>		<u>Credits</u>
FCWR 302	Communication for Healthcare Careers <i>or</i>	
FCWR 304	Communication for Technical Professions	3
ICLT 3XX	ICLT Literature Seminar	3
ICSS 3XX	ICSS Social Science Seminar	3
GEEL	General Electives	1-2

Major requirements

Biology and Science Electives*

Equivalent courses *not* completed at Queensborough CC 33-34
Transfer credit will be awarded for QBCC Biology courses completed in lieu of MA 119, MA 121 and/or MA 440

BIOL 210	Human Gross Anatomy (4)	
BIOL 233	Genetics (4)	
BIOL 235	Microbiology (4)	
BIOL 250	Biostatistics (3)	
BIOL 310	Human Physiology (4)	
BIOL 325	Evolutionary Biology (3)	
BIOL 340	Biochemistry (4)	
BIOL 395	Introduction to Research Literature (3)	
BIOL or CHEM	Biology or Chemistry Research Project Lab (3)	
	Science Electives – Biology, Chemistry, or Physics (9)	

Chemistry

CHEM 210	Organic Chemistry I	4
CHEM 250	Organic Chemistry II	4

Physics

PHYS 175	General Physics for Pre-Med I	5
PHYS 185	General Physics for Pre-Med II	5

Total Credits at New York Institute of Technology: **62**



05/04/2021

Dr. Daniel Quigley, Dean
College of Arts and Sciences
New York Institute of Technology

Date

Effective as of Fall 2021