

BERGEN COMMUNITY COLLEGE		NEW YORK INSTITUTE OF TECHNOLOGY	
<i>Associate in Science Natural Sciences and Mathematics, Biology Option</i>		<i>Bachelor of Science in Biology</i>	
Course	Credit	Course	Credit
First Semester (15 credits)			
BIO-101 General Biology I	4	BIOL 110 General Biology I	4
CHM-140 General Chemistry I	3	CHEM 110 General Chemistry I	4
CHM-141 General Chemistry Laboratory I	1		
MAT-180 Precalculus: College Algebra and Trig	4	MATH 141 Precalculus	4
WRT-101 English Composition I	3	FCWR 101 Writing I	3
Second Semester (18 credits)			
BIO-203 General Biology II	4	BIOL 150 General Biology II	4
CHM-240 General Chemistry II	3	CHEM 150 General Chemistry II	4
CHM-241 General Chemistry Laboratory II	1		
WRT-201 English Composition II	3	FCWR 151 Writing II	3
MAT Restricted to MAT-280 Calculus I	4	MATH 170 Calculus I	4
Humanities Elective	3	Equivalent Elective	3
Third Semester (17 credits)			
BIO Biology Elective	4	BIOL Equivalent Elective	4
Social Science Elective: Restricted to Psychology (PSY), Sociology (SOC), or Anthropology (ANT)	3	Behavioral Science Equivalent	3
Humanities Elective: Restricted to History (HIS)	3	FCIQ 101 Foundations of Inquiry*	3
Natural Sci or Math/Computer Sci Elective	4	Equivalent Elective	3
General Education or Free Elective	3	Equivalent Elective	3
Fourth Semester (16 credits)			
BIO Biology Elective	4	BIOL Equivalent Elective	4
Social Science Elective: Restricted to Economics (ECO) or Political Science (POL)	3	Social Science Equivalent	3
COM-100 Speech Communication	3	FCSP 105 Foundations of Speech Comm	3
Humanities Elective: Restricted to Literature (LIT)	3	Literature Equivalent	3
Humanities Elective: Restricted to Philosophy and Religion (PHR)	3	Philosophy Equivalent	3
TOTAL	66	TOTAL	65

**Transfer substitution awarded on the basis of this agreement.
If course recommendations are not followed, transfer credit award may vary.*

PLAN OF STUDY

Approved by James Simon, Dean
College of Arts and Sciences, NYIT

- *Effective as of 2016*

Program of study at New York Institute of Technology:
Bachelor of Science in Biology

Courses to be completed at NYIT:

Courses required at NYIT may be adjusted based on classes completed at Bergen CC

Major Courses:		Credits
BIOL 220	Comparative Anatomy	4
BIOL 235	Microbiology	4
BIOL 311	Comparative Animal Physiology	4
BIOL 335	Genetics	4
BIOL 340	Biochemistry	4
BIOL 395	Introduction to Research Design	3
BIOL 431	Cell Biology	4
BIOL 435	Evolutionary Biology	3
BIOL 493	Independent Research III	4
BIOL 494	Independent Research IV	4
CHEM 210	Organic Chemistry I	4
CHEM 250	Organic Chemistry II	4
MATH 180	Calculus II	4
PHYS 170	General Physics I	4
PHYS 180	General Physics II	4
Core and Additional Requirements:		
FCSC 101	Foundations of Scientific Process	3
FCWR 304	Comm for Technical Professions	3
Total credits at New York Institute of Technology		<u>64</u>

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