



HUDSON COUNTY COMMUNITY COLLEGE

NEW JERSEY CITY UNIVERSITY

AY 2025-2026

Associate of Science
Biology

Bachelor of Arts
Biology

Course Number	Course Name	Credits		Course Number	Course Name	Credits
CSS100	College Student Success	1	=	INTD101	Orientation to College	1
ENG101	College Composition I	3	=	ENGL101	English Composition I	3
ENG102	College Composition II	3	=	ENGL102	English Composition II	3
BIO115	Principles of Biology I	4	=	BIOL130	Principles of Biology I	4
BIO116	Principles of Biology II	4	=	BIOL131	Principles of Biology II	4
BIO111	Anatomy and Physiology I	4	=	BIOL236	Anatomy and Physiology I	4
BIO211	Anatomy and Physiology II	4	=	BIOL237	Anatomy and Physiology II	4
PSY101	Introduction to Psychology	3	=	PSYC110	Introduction to Psychology	3
SOC101	Introduction to Sociology	3	=	SOCI111	Principles of Sociology	3
HUM101	Cultures and Values	3	=	WGST110	Diversity and Difference: Identities, Communities, and Cultures	3
CHP111	College Chemistry I	4	=	CHEM 105+1105	General Chemistry I Lecture and Recitation/Labratoty	4
PHY113	Physics I	4	=	PHYS140+1140	Principles of Physics I + Lab	4
BIO230	Histology	4	=	BIOL305	Histology	4
BIO 270	Cell Biology	4	=	BIOL230	Cell Biology	4
CHP211	College Chemistry II	4	=	CHEM 106+1106	General Chemistry II Lecture and Recitation/Labratoty	4
Complete 1 Math Course:						
MAT110	Precalculus	4	=	MATH175	Enhanced Precalculus	4
MAT111	Calculus I	4	=	MATH192	Calculus and Analytical Geometry I	4
Take 4 credits below:						
BIO208	Ecology	4	=	BIOL402	Ecology	4
BIO250	Microbiology	4	=	BIOL303	Microbiology	4
BTN201	Molecular Biology	4	=	BIOL2XX	Biology Elective Credits	4
BIO260	Molecular Biology	4	=	BIOL2XX	Biology Elective Credits	4
MAT111	Calculus I	4	=	MATH192	Calculus and Analytical Geometry I	4
MAT112	Calculus II	4	=	MATH193	Calculus and Analytic Geometry II	4

Total Credits Transferred

60

General Education Waiver Awarded

Remaining NJCU Courses

Course Number	Course Name	Credits	Notes
Required Courses			5-9
BIOL 130	Principles Biology I	0	This will transfer in
BIOL 131	Principles Biology II	0	This will transfer in
BIOL 230	Cell Biology	0	This will transfer in
BIOL 304	Genetics	0-4	This will transfer in
BIOL 402	Ecology	4	
or BIOL 332	Field Ecology		
BIOL 440	Biology Seminar	1	
Biology Electives			0-3
BIOL 217	Life In The Sea	3	
BIOL 231	Comparative Anatomy	4	
BIOL 232	Invertebrate Zoology	4	
BIOL 233	Principles of Botany	4	
BIOL 236	Anatomy & Physiology I	0	This will transfer in
BIOL 237	Anatomy & Physiology II	0	This will transfer in
BIOL 252	Evolution: A Biological and Geological Approach	3	
BIOL 301	General Physiology	4	
BIOL 302	Plant Physiology	4	
BIOL 303	Microbiology	0-4	This will transfer in
BIOL 305	Histology	0	This will transfer in
BIOL 308	Plant Taxonomy	4	
BIOL 311	Pathophysiology	3	
BIOL 312	Endocrinology	3	
BIOL 332	Field Ecology	4	
BIOL 335	Essential Concepts in Neuroscience	3	
BIOL 350	Biology Research	2	
BIOL 401	Developmental Biology	4	
BIOL 403	Radiation Biology	4	
BIOL 404	Immunology	3	
BIOL 406	Molecular Genetics	4	

BIOL 407	Advanced Cell Biology	4
BIOL 418	Scanning Electron Microscopy	4
BIOL 450	Biology Research	3

Required Chemistry Courses	0	
CHEM 105	General Chemistry I Lecture	0
CHEM 1105	General Chemistry I Recitation/Laboratory	0
CHEM 106	General Chemistry II Lecture	0
CHEM 1106	General Chemistry II Recitation/Laboratory	0

Required Physics Course	0	
PHYS 101	Basic Concepts of Physics	0

Required Math and Computer Science Courses	3	
MATH 175	Enhanced Precalculus	0
INTD 180 or MATH 140	Computer Tools For Science and Mathematics Statistics I	3
or PSYC 230	Statistics for Social Sciences	

Free Elective Courses	48-49
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Total Credits To Graduate	120
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Students must successfully complete a minimum of 5 Biology major courses at NJCU.

Credits earned for Biology courses more than 10 years ago may not satisfy department requirements.

Students may apply up to 6 credits of Biology Research or Coop Education toward the BA in Biology requirements.