



HUDSON COUNTY COMMUNITY COLLEGE

Associate of Science
Biology

NEW JERSEY CITY UNIVERSITY

Bachelor of Arts
Biology

AY 2025-2026

| 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/Lab | 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/Lab | 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

Remaing 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 | |

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|---|--|----------|--------------------------------|
| 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 | This will transfer in |
| CHEM 1105 | General Chemistry I Recitation/Laboratory | 0 | This will transfer in |
| CHEM 106 | General Chemistry II Lecture | 0 | This will transfer in |
| CHEM 1106 | General Chemistry II Recitation/Laboratory | 0 | This will transfer in |
| Required Physics Course | | 0 | |
| PHYS 101 | Basic Concepts of Physics | 0 | PHYS140+1140 will satisfy this |
| Required Math and Computer Science Courses | | 3 | |
| MATH 175 | Enhanced Precalculus | 0 | |
| INTD 180 | Computer Tools For Science and Mathematics | 3 | |
| or MATH 140 | Statistics I | | |
| or PSYC 230 | Statistics for Social Sciences | | |

Free Elective Courses **48-49**

Total Credits To Graduate **120**

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.