



High School Bridge Program

Associates of Science **General Science** **to** **Bachelor of Science** **Biology Medical Imaging (Rutgers Partnership)**

HCCC General Science - AS

NJCU Biology - Medical Imaging (Rutgers Partnership) - BS

| COURSE NUMBER | COURSE NAME | CREDITS | | COURSE NUMBER | COURSE NAME | CREDITS |
|---------------------------|--------------------------------|---------|---|---------------|---|-----------------|
| Freshman Year | | | | | | |
| CSS100 | College Student Success | 1 | = | INTD101 | Orientation to College | 1 HCCC (online) |
| ENG101 | College Composition I | 3 | = | ENGL101 | English Composition I | 3 INHS |
| MAT100 | Intermediate Algebra | 3 | = | MATH112 | Intermediate Algebra | 3 INHS |
| CSC100 | Intro to Computers & Computing | 3 | = | CS107 | Computer & Information Systems | 3 HCCC |
| ENG112 | Speech | 3 | = | ENGL147 | Effective Speech | 3 INHS |
| BIO100 | General Biology | 3 | = | BIOL100 | General Biology | 3 INHS |
| Sophomore Year | | | | | | |
| ENG102 | College Composition II | 3 | = | ENGL102 | English Composition II | 3 HCCC |
| CHP111 | College Chemistry I | 4 | = | CHEM 105+1105 | General Chemistry I Lecture and Recitation/Lab | 4 INHS |
| 1 Social Science Elective | | 3 | = | TBD | | 3 HCCC/NJCU |
| 1 Social Science Elective | | 3 | = | TBD | | 3 HCCC/NJCU |
| Junior Year | | | | | | |
| MAT110 | Precalculus | 4 | = | MATH175 | Enhanced Precalculus | 4 INHS |
| CHP211 | College Chemistry II | 4 | = | CHEM 106+1106 | General Chemistry II Lecture and Recitation/Lab | 4 INHS |
| PHY111 | Engineering Physics I | 4 | = | PHYS140+1140 | Principles of Physics I + Lab | 4 INHS |
| BIO111 | Anatomy and Physiology I | 4 | = | BIOL236 | Anatomy and Physiology I | 4 INHS |
| Senior Year | | | | | | |
| PHY211 | Engineering Physics II | 4 | = | PHYS141+1141 | Principles of Physics II + Lab | 4 HCCC |
| MAT111 | Calculus I | 4 | = | MATH192 | Calculus and Analytical Geometry I | 4 HCCC |
| BIO211 | Anatomy and Physiology II | 4 | = | BIOL237 | Anatomy and Physiology II | 4 HCCC |
| 1 Humanities Elective | | 3 | = | TBD | | 3 HCCC |

Remaining NJCU Courses

| COURSE NUMBER | COURSE NAME | CREDITS |
|--|---|----------|
| Required Courses | | |
| BIOL 130 | Principles Biology I | 4 |
| BIOL 131 | Principles Biology II | 4 |
| BIOL 230 | Cell Biology | 4 |
| BIOL236 | Anatomy and Physiology I | 0 * |
| BIOL237 | Anatomy and Physiology II | 0 * |
| BIOL303 | Microbiology | 4 |
| BIO Electives | | |
| (Biology courses numbered higher than BIOL 230) | | 8 |
| BIOL231 | Comparative Anatomy | 4 |
| BIOL232 | Invertebrate Zoology | 4 |
| BIOL233 | Principles of Botany | 4 |
| BIOL240 | Scientific Reasoning | 3 |
| BIOL250 | Biology Research | 1 |
| BIOL252 | Evolution: A Biol and Geological Approach | 3 |
| BIOL301 | General Physiology | 4 |
| BIOL302 | Plant Physiology | 4 |
| BIOL308 | Plant Taxonomy | 4 |
| BIOL311 | Pathophysiology | 3 |
| BIOL312 | Endocrinology | 3 |
| BIOL335 | Essential Concepts in Neuroscience | 3 |
| BIOL350 | Biology Research | 2 |
| BIOL354 | Professional Assistant | 2 |
| BIOL401 | Developmental Biology | 4 |
| BIOL 403 | Radiation Biology | 4 |
| BIOL404 | Immunology | 3 |
| BIOL406 | Molecular Genetics | 4 |
| BIOL407 | Advanced Cell Biology | 4 |
| BIOL409 | Biological Chemistry | 3 |
| BIOL410 | Electron Microscopy | 4 |
| BIOL418 | Scanning Electron Microscopy | 4 |
| BIOL419 | Transmission Electron Microscopy | 4 |
| BIOL450 | Biology Research | 3 |
| BIOL454 | Professional Assistant | 3 |
| BIOL492 | Independent Study in Biology | 3 |
| BIOL1492 | Independent Study in Biology | 2 |
| BIOL2492 | Independent Study in Biology | 1 |

| COURSE NUMBER | COURSE NAME | CREDITS |
|---|--|----------|
| Required Chemistry Courses | | 4 |
| 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 * |
| CHEM 207 | Organic Chemistry I | 3 |
| CHEM 2207 | Organic Chemistry I Laboratory | 1 |
| Required Math, Physics, and Computer Science Courses | | 3 |
| PHYS101 | Basic Concepts of Physics | 0 ** |
| MATH175 | Enhanced Precalculus | 0 * |
| INTD180 | Computer Tools for Science and Math | 3 |
| MATH 140 | Statistics I | 3 |
| or | | |
| PSYC 230 | Statistics for Social Sciences | 3 |

Clinical Courses Taken at Rutgers School of Health Professions 32+

Notes:

* This will transfer in

** This will be satisfied from transferring in PHYS140+1140