



Associates of Science Biology to Bachelor of Science Biology - Medical Imaging

HCCC AS - Biology

NJCU BS - Biology - Medical Imaging

Cardiovascular Sonography and Diagnostic Medical Sonography Specialization, Joint-Degree

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, Community, and Cultures	3
CHP111	College Chemistry I	4	=	CHEM 105+1105	General Chemistry I Lecture and Recitation/Labratory	4
PHY113	Physics I	4	=	PHYS130+1131	College 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/Labratory	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

Note:

* Recommended

Total Credits 60

General Education Waived

Remaining NJCU Courses

COURSE NUMBER	COURSE NAME	CREDITS
BIOL303 *	Microbiology	0-4 *
CHEM207	Organic Chemistry I	3
CHEM2207	Organic Chemistry I Lab	1
PHYS101 *	Basic Concepts of Physics	0-3 *
MATH175 *	Enhanced Precalculus	0-4 *
INTD180	Computer Tools for Science and Math	3
MATH 140 OR PSYC 230	Statistics I or Statistics for Social Sciences	3

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 Biological 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	Professorial Assistant	3
BIOL492	Independent Study in Biology	3
BIOL1492	Independent Study in Biology	2
BIOL2492	Independent Study in Biology	1

Free Electives for University Residency Requirement and Degree Requirements **12 ****

Clinical Courses Taken at Rutgers School of Health Professions **32**

Notes:

* This course may be transferred if taken at HCCC

** Recommended to Take More Biology Elective Courses

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