

Bachelor of Science in Biology | Biomedical Track

GENERAL EDUCATION	43 credits	BS BIOLOGY (BIOMEDICAL)	67 credits
Communication Skills	9 credits	CORE CLASSES	33 credits
COM 11103 Fund of Speech Communications	_____	BIO 12104 Biology 1 ¹	General Education
ENG 11103 Composition I	_____	BIO 12204 Biology 2 ¹	_____
ENG 11203 Composition II	_____	BIO 20303 Ecology ¹	_____
Health & Physical Education	2 credits	BIO 21304 Microbiology ¹	_____
HPE 10101 Human Wellness and Phys. Fit	_____	BIO 21404 Human A&P I	_____
HPE Activity Course	_____	BIO 36404 Genetics	_____
Arts/Humanities	9 credits	BIO 37404 Cell Biology	_____
<i>Group I. At least one course from:</i>		BIO 38402 Immunology	_____
ART 10303 Art Appreciation	_____	BIO 46703 Contemporary Topics in Biology	_____
FPA 10503 Fine Arts	_____	BIO 47301 Senior Seminar	_____
MUS 10403 Music Appreciation	_____	MTH 14505 Pre-calculus	_____
<i>Group II. At least one course from:</i>		CHM 15005 General Chemistry I ²	General Education
ENG 24103 Literary Imagination	_____	CHM 15505 General Chemistry II	_____
HUM 20103 The Humanities	_____	CHM 26202 Organic Chemistry Lab I	_____
PHR 21103 Philosophical Inquiry	_____	CHM 26303 Organic Chemistry Theory I	_____
<i>Group III. At least one course from:</i>		CHM 27202 Organic Chemistry Lab II	_____
HIS 13103 World Civilization I	_____	CHM 27303 Organic Chemistry Theory II	_____
HIS 13203 World Civilization II	_____	BIO ELECTIVES 30000-40000	14 credits
Social Science	6 credits	<u>Highly Recommended:</u>	
<i>Group I. At least one course from:</i>		BIO 34403 Biochemistry and	_____
ATH 12103 Anthropology	_____	BIO 43404 Parasitology	_____
HIS 12203 American History II (Since 1877)	_____	BIO 49303 Pathophysiology	_____
POL 11103 American National Government	_____	<u>Other 30000-40000 BIO Electives:</u>	
<i>Group II. At least one course from:</i>		BIO 31303 Adv. Ornithology	_____
ECO 11103 Contemporary Economics	_____	BIO 31404 Vertebrate Zoology	_____
PSY 11103 General Psychology	_____	BIO 32303 Mammalogy	_____
SOC 11103 Introduction to Sociology	_____	BIO 33404 Invertebrate Zoology	_____
Liberal Arts	1 credit	BIO 35403 Field Botany	_____
LA 10001 Gateway to Success	_____	BIO 36303 Local Flora	_____
Mathematics & Natural Science	4 credits	BIO 41303 Limnology	_____
MTH 21404 Introductory Probability & Statistics	_____	BIO 45303 Conservation Biology	_____
Computer Technology Productivity Skills	3-4 credits	BIO 48801-03 Selected Topics	_____
<i>At least one course from:</i>		BIO 49901-03 Directed Study	_____
CS 10103 PC Applications	_____	PERSONAL ELECTIVES	20-24 credits
CS 20104 Computer Programming I	_____	Total Credits Needed to Graduate (minimum)	125

NOTE: You must have at least 33 credits of 30000-40000 level courses. (You need 6 in addition to requirements for major.)

¹Foundational core; serve as prerequisites for all 300-400

Biology level courses

²Prerequisite or co-requisite is MTH 14505 – Pre-calculus

Bachelor of Science in Biology Biomedical Track Suggested Course Sequence

Students must obtain a C- or better in all courses required for the major (core classes, track core classes, and upper level biology electives) to graduate.

Year	Fall Semester	Spring Semester
Freshman	BIO 12104 Biology 1 MTH 14505 Pre-calculus CHM 15005 General Chemistry 1 General Education 1 - 3 credits	BIO 12204 Biology 2 CH 15505 General Chemistry 2 General Education 3 - 8 credits
Sophomore	BIO 20303 Ecology BIO 21404 Human A&P I CHM 26202 Organic Chemistry Lab I CHM 26303 Organic Chemistry Theory I	BIO 21304 Microbiology BIO 22404 Human A&P II CHM 27202 Organic Chemistry Lab II CHM 27303 Organic Chemistry Theory II General Education 3 - 6 credits
Junior	BIO 36404 Genetics Upper Level BIO 3-4 credits General Physics 1 (if required for admission to professional school) Gen Ed./Personal Electives 5 - 10 credits	BIO 37404 Cell Biology Upper Level BIO 3-4 credits General Physics 2 (if required for admission to professional school) Gen Ed./Personal Electives 5 - 10 credits
Senior	BIO 46703 Contemporary Topics Upper Level BIO 3-4 credits Gen Ed./Personal Electives 6 - 10 credits	BIO 38402 Immunology BIO 47301 Senior Seminar Gen Ed./Personal Electives 7 - 12 credits