

# Biology-Biomedical Major 2016-2017

## Required Coursework

<u>Semester 1</u>		<u>Semester 2</u>
BIOL 120		BIOL 121
CHEM 105, C-PN		CHEM 107
PHIL 120, C-PF		THRS 117, C-TF
Elective/Minor/Core		Elective/Minor/Core

<u>Semester 3</u>		<u>Semester 4</u>
BIOL 244		Biomedical Elective
CHEM 220		CHEM 222 or CHEM 232
Elective/Minor/Core		Elective/Minor/Core
Elective/Minor/Core		Elective/Minor/Core

<u>Semester 5</u>		<u>Semester 6</u>
CHEM 350		Biomedical Elective
Biomedical Elective		Biomedical Elective
Elective/Minor/Core		Elective/Minor/Core
Elective/Minor/Core		Elective/Minor/Core

<u>Semester 7</u>		<u>Semester 8</u>
Biomedical Elective		Biomedical Elective
Elective/Minor/Core		Elective/Minor/Core
Elective/Minor/Core		Elective/Minor/Core
Elective/Minor/Core		Elective/Minor/Core

## Recommended Electives:

MATH 131 Calculus and Analytical Geometry 1  
 PHYS 111 and 112 or PHYS 121 and 122 Physics 1 and 2  
 SSCI 224 Basic Statistics

## Requirement Checklist

- BIOL 120 General Biology 1
- BIOL 121 General Biology 2
- BIOL 244 Genetics
- CHEM 105 General Chemistry 1, C-PN
- CHEM 107 General Chemistry 2
- CHEM 220 Organic Chemistry
- CHEM 222 or 232 Organic Chemistry: Intermediate or Research Emphasis
- CHEM 350 Biochemistry

## Six from the following:

- BIOL 220 Comparative Vertebrate Anatomy
- BIOL 320 Human Anatomy and Histology
- BIOL 325 Developmental Biology
- BIOL 350 Microbiology
- BIOL 360 Medical Microbiology
- BIOL 361 Virology
- BIOL 365 Immunology
- BIOL 368 Parasitology
- BIOL 371 Cellular Physiology
- BIOL 372 Systemic Physiology
- BIOL 373 Molecular Biology
- BIOL 375 The Biology of the Cancer Cell
- BIOL 381 Vertebrate Embryology
- BIOL 382 Vertebrate Reproduction
- BIOL 385 Endocrinology
- BIOL 386 Neuroscience
- BIOL 490 Independent Study
- BIOL 492 Directed Research
- BIOL 496 Research and Thesis

*Students will complete Core PN through their major coursework.*