

# BIOLOGY – PRE- OCCUPATIONAL THERAPY (B.S.)

## Student Learning Outcomes

1. Students will demonstrate knowledge of discipline- specific content related to macro- principles describing the three domains of biology and the molecular nature of life.
2. Students will use critical thinking by demonstrating the ability to recognize the components of a problem, formulate a strategy to solve the problem, apply comprehensive scientific knowledge to execute a solution and then evaluate the effectiveness of the solution.
3. Students will demonstrate communication skills reflective of professional standards consistent biology-related associations (i.e.FASEB).
4. Students will demonstrate discipline- specific core laboratory and calculation- based skills related to the characterization and classification of life forms, their components and habitats and in the molecular analysis of living species.
5. Students will demonstrate readiness for post-baccalaureate entry into a workforce or acceptance into graduate or professional programs in Biology and/or health professions.
6. Students will demonstrate global perspective in their understanding of how biological factors affect economics, health, technology and the environment.

CHEM 102L	Principles of Chemistry II:Lab	1
CHEM 201	Organic Chemistry I	3
CHEM 201L	Organic Chemistry I: Lab	1
PHYS 101	Principles of Physics I	3
PHYS 101L	Principles of Physics I: Lab	1
PHYS 102	Principles of Physics II	3
PHYS 102L	Principles of Physics II: Lab	1
MATH 155 & MATH 156	Elementary Functions I and Elementary Functions II	5-6
	or MATH 207Calculus I	
MATH 221	Statistics	3
PSYC 120	T1:Principles of Psychology	3
PSYC 210	DV:T1:Human Devel Across Lifes	3
PSYC 401	DV:Abnormal Psychology	3
SOC 101	T1:Principles of Sociology	3
EXS 385	Biomechanics	3

## Recommended

- Global Learning Experience

## Required

- General Education Requirements
- Internship

Code	Title	Hours
<b>Biology</b>		
BIO 101	T1:Principles of Biology I	3
BIO 101L	Principles of Biology I: Lab	1
BIO 102	Principles of Biology II	3
BIO 102L	Principles of Biology II: Lab	1
BIO 200	Medical Terminology	1
BIO 206	Microbiology	3
BIO 206L	Microbiology: Lab	1
BIO 209	Anatomy/Physiology I	3
BIO 209L	Anatomy/Physiology I: Lab	1
BIO 210	Anatomy/Physiology II	3
BIO 210L	Anatomy/Physiology II: Lab	1
BIO 390	Biology Internship	1-3
<b>Biology Electives</b>		10
(300-level or higher) 2 credits maximum of BIO 411/412		
<b>Additional Requirements</b>		
CHEM 101	T1: Principles of Chemistry I	3
CHEM 101L	Principles of Chemistry I: Lab	1
CHEM 102	Principles of Chemistry II	3