

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

Student Learning Outcomes

- Students will demonstrate knowledge of discipline- specific content related to macro- principles describing the 3 domains of biology and the molecular nature of life.
- 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.
- Students will demonstrate communication skills reflective of professional standards consistent biology-related associations (i.e. FASEB).
- 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.
- Students will demonstrate readiness for post-baccalaureate entry into a workforce or acceptance into graduate or professional programs in Biology and/or health professions.
- Students will demonstrate global perspective in their understanding of how biological factors affect economics, health, technology and the environment.

CHEM 102	Principles of Chemistry II	3
CHEM 102L	Principles of Chemistry II:Lab	1
CHEM 208	Organic Chemistry I	2
CHEM 201L	Organic Chemistry I: Lab	1
MATH 155 & MATH 156 or MATH 210/ & MATH 211	Elementary Functions I and Elementary Functions II Calculus I and Calculus II	6
MATH 221	Statistics	3
PHYS 101 or PHYS 201	Principles of Physics I Physics with Calculus I	3
PHYS 101L	Principles of Physics I: Lab	1
PHYS 102 or PHYS 202	Principles of Physics II Physics with Calculus II	3
PHYS 102L	Principles of Physics II: Lab	1
PSYC 120	T1:FD: Principles of Psych	3
PSYC 210	T1:DV:FD: HumanDevelAcrossLife	3
PSYC 401	DV: TH2: Psychol Disorders	3
SOC 101	T1:FD:Principles of Sociology	3
EXS 385	Biomechanics	3
Total Hours		75-77

Recommended

- A Global Learning (GL) experience (<http://catalog.walsh.edu/undergraduate/academic-services/#globallearning>)

Required

- General Education Requirements (<http://catalog.walsh.edu/undergraduate/general-education-curriculum/>)
- Internship

Code	Title	Hours
BIO 101	FD: 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

Biology Electives 10

(300 level or higher) 2 credits maximum of BIO 411/412

Additional Requirements

CHEM 101	FD:T1:Princ of Chemistry I	3
CHEM 101L	Principles of Chemistry I: Lab	1