

Physiology and Behavior Track

Choose 12 credit hours from the following courses (9 hours must be BIO courses):

Courses	Prerequisites	Semesters offered
*BIO 380 (1-4) Special Topics in Biology (Intermediate Level)	Determined by Instructor.	TBD
BIO 302 (3) Introduction to Neuroscience	BIO 152 or equivalent or permission of instructor.	Fall/Spring
BIO 305 (3) Introduction to Neuroscience Techniques	BIO 302 Introduction to Neuroscience or equivalent.	Fall/Spring
BIO 375 (3) Behavioral Ecology and Sociobiology	A year of introductory biology (BIO 150/152).	Fall
BIO 394/395/397 (1-3) Research in Neuroscience/Biology/Microbiology (max 3 credit hours toward track)	BIO 152 and BIO 302 or PSY 312. / BIO 148, BIO 152 and BIO 155 or equivalent. Completion of at least one of the Biology core courses (Cell Biology, Evolution, Genetics, Physiology, Ecology) is strongly recommended. / BIO 308 and BIO 309.	Fall/Summer/Spring
BIO 430G (4) Plant Physiology	BIO 148, BIO 152, BIO 155 or BIO 198 (or equivalent); CHE 230 and CHE 231 (or equivalent) or consent of Instructor.	Fall
BIO 440 (4) Comparative and Functional Anatomy	BIO 302 or consent of Instructor.	
BIO 445 (3) Biology of Sex	Determined by Instructor.	Sometimes Spring
BIO 446 (3) Neurophysiology Laboratory	BIO 302 or BIO 350 or consent of instructor.	Fall
BIO 494G (3) Immunobiology	BCH 401G (may be taken concurrently) and BIO 208 or BIO 308 or consent of instructor.	Fall/Spring
BIO 502 (5) Principles of Systems, Cellular and Molecular Physiology	One year each, physics, general chemistry; PGY 206 or its equivalent.	Fall
BIO 507 (3) Biology of Sleep and Circadian Rhythms	BIO 304 OR BIO 302 or consent of instructor.	Spring
BIO 535 (3) Comparative Neurobiology	BIO 350 or consent of instructor.	Spring
BIO 550 (3) Advanced Physiology	One year college chemistry, BIO 350 or equivalent, one year college physics or consent of instructor.	Fall
BIO 350 (4) Animal Physiology**	BIO 148, BIO 152, BIO 155 or BIO 198, CHE 105 (or CHE 109 and CHE 110) and CHE 107 or consent of Instructor.	Fall/Spring
BIO 410 (3) Vertebrate Endocrinology	BIO 302 or BIO 315 or BIO 350	Spring

***Subtitle must be approved by the Director of Undergraduate Studies**

****only for students who do not use the course to fulfill the 2nd Tier Core**

Courses from outside the Biology Department:

Courses	Prerequisites	Semesters offered
ASC 364 (4) Reproductive Physiology of Animals	ASC 101 and BIO 152. Primary registration access limited to College of Agriculture, Food and Environment majors and remaining seats open during secondary registration.	Spring
ENT 568 (3) Insect Behavior	One year of biology.	Every other Spring
MI 595 (2) Immunobiology Laboratory	BIO 494G or concurrently; or consent of instructor.	
PGY 431 (3) Introduction to Neuroendocrinology	PGY 206, BIO 302, or BIO 350 or instructor approval.	Fall
PGY 560 (1) Pathophysiology: Integrative Study in Physiology and Medicine	PGY 412G, PGY 502 or consent of instructor.	Spring
PSY 459 (3) Neuropharmacology: Drugs and Behavior	PSY 215 and PSY 312, or BIO 148 or equivalent.	Fall/Spring
ANA 410G (3) Neurobiology of Brain and Spinal Cord Disorders	BIO 302 or PSY 312 or consent of course directors.	Fall/Spring
ANA 442 (3) Molecular and Cellular Neurobiology	BIO 152 or an equivalent; BIO 302 or PSY 312, or consent of course director.	Spring

**** Other courses can be accepted by the Director of Undergraduate Studies in Biology on a case by case basis.**