

BIOLOGY and MOLECULAR BIOLOGY UPPER LEVEL APPROVED ELECTIVES

BIOL 3V00 Topics in Biological Sciences
BIOL 3V40 Topics in Molecular and Cell Biology^{1,6}
BIOL 3V90 Readings in Biology¹
BIOL 3V91 Undergraduate Research in Biology¹
BIOL 3V92 Undergraduate Readings in Biochemistry¹
BIOL 3V93 Undergraduate Research in Biochemistry¹
BIOL 3V94 Topics in Biology⁶
BIOL 3V95 Readings in Molecular and Cell Biology¹
BIOL 3V96 Undergraduate Research in Mol. & Cell Biology¹
BIOL 3303/3203 Intro. To Microbiology
BIOL 3305 Evolutionary Analysis⁶
BIOL 3310/3110 Nanomedicine⁶
BIOL 3312 Intro to Programming in Biology
BIOL 3315 Epigenetics⁶
BIOL 3318 Forensic Biology
BIOL 3320 Applied Genetics
BIOL 3325 Drug Development to Clinical Trials
BIOL 3335 Microbial Physiology
BIOL 3336 Protein and Nucleic Acid Structure⁶
BIOL 3351 Medical Cell Biology⁶
BIOL 3355 Pathophysiology⁶
BIOL 3357 Mammalian Physiology w/ Lab
BIOL 3370 Exercise Physiology
BIOL 3385 Medical Histology
BIOL 3388 Honey Bee Biology
BIOL 3455 Anatomy and Physiology w/ Lab I
BIOL 3456 Anatomy and Physiology w/ Lab II
BIOL 3520 General Microbiology with Lab
BIOL 4V00 Special Topics in Biology⁶
BIOL 4V01 Spec. Topics in Biological Sciences with Lab⁶
BIOL 4V40 Special Topics in Molecular and Cell Biology⁶
BIOL 4V95 Advanced Topics in Biology⁶
BIOL 4302 TA Apprenticeship^{1, 4}
BIOL 4305 Molecular Evolution
BIOL 4308 Developmental Biology
BIOL 4310 Cellular Microbiology⁶
BIOL 4315 Genes, Disease and Therapeutics⁶
BIOL 4317 Cellular and Molecular Medicine of Human Disease⁶
BIOL 4320 Cell Migration in Health and Disease⁶
BIOL 4325 Nutrition and Metabolism
BIOL 4330 Advanced Research in Molecular and Cell Biology
BIOL 4337 Seminal Papers in Biology⁶
BIOL 4340 Proteomics⁶
BIOL 4341 Genomics⁶
BIOL 4342 Regulation of Gene Expression⁶
BIOL 4345 Immunobiology⁶
BIOL 4350 Medical Microbiology
BIOL 4352 Medical Molecular and Cell Biology⁶
BIOL 4353 Molecular Biology of HIV /AIDS⁶
BIOL 4356 Molecular Neuropathology

BIOL 4357 Molecular Neuropathology II
BIOL 4360 Evolution and Development
BIOL 4365 Advanced Human Physiology⁶
BIOL 4366 Molecular Biology of Cancer⁶
BIOL 4371 General and Molecular Virology⁶
BIOL 4375 Bioinformatics⁶
BIOL 4385 Oral Histology and Embryology
BIOL 4390 Senior Readings in Molecular and Cell Biology¹
BIOL 4391 Senior Research in Molecular & Cell Biology¹
BIOL 4398 Senior Honors Readings in Mol. & Cell Biology¹
BIOL 4399 Senior Honors Research and Thesis¹
BIOL 4461 Biophysical Chemistry^{6,7}
CHEM 3321 Physical Chemistry I⁵
CHEM 3322 Physical Chemistry II^{2,5}
CHEM 3341 Inorganic Chemistry⁵
CHEM 3472 Instrumental Analysis⁵
CHEM 4335 Polymer Chemistry⁵
CHEM 4381 Environmental Chemistry⁵
CHEM 4473 Physical Measurements Lab⁵
NATS 4V91 Green Fellowship Directed Research¹
NSC 4V90 Spec. Topics In Neuroscience: Neonatal Neurology³
NSC 4V90 Spec. Topics In Neuroscience: Intra. Neurophysio. Monit. ³
NSC 4V90 Spec. Topics In Neuroscience: Human Neuroscience Lab³
NSC 4V90 Spec. Topics In Neuroscience: Neurogenetics³
NSC 4V90 Spec. Topics In Neuroscience: Neurology of Cognition³
NSC 4V90 Spec. Topics In Neuroscience: Fear & Anxiety³
NSC 4V90 Spec. Topics In Tauopathies³
NSC 4310 Principles of Pediatric Neurology³
NSC 4320 Sleep and Sleep Disorders³
NSC 4351 Medical Neuroscience^{3,6}
NSC 4352 Cellular Neuroscience^{3,6}
NSC 4353 Neuroscience Lab Methods^{3,6}
NSC 4354 Integrative Neuroscience^{3,6}
NSC 4358 Neurobiology of Pain^{3,6}
NSC 4367 Developmental Neurobiology^{3,6}
NSC 4370 Neuroendocrinology^{3,6}
NSC 4373 Sensory Neuroscience^{3,6}
NSC 4382 Neurobiology of Emotion³

¹Independent Study Courses

B. S. – max. of 6 hours Independent Study may be used for UL approved

B. A. – max. of 3 hours of Independent Study may be used for UL approved

²Offered only in Spring Semester

³A maximum of 3 hours of NSC Courses may be used for UL approved elective hours

⁴BIOL 4302 may only be used once for UL approved elective hours; additional hours will be used for free electives

⁵A max. of 3 hours of CHEM Courses may be used for UL approved elective hours

⁶May be offered in future semesters

⁷BIOL 4461 may only be used as an UL approved elective by Biology Majors
Note: Electives used towards major requirements may not be used for minor requirements.