BIOLOGY and MOLECULAR BIOLOGY UPPER LEVEL APPROVED ELECTIVES

BIOL 3V00 Topics in Biological Sciences
BIOL 3V40 Topics in Molecular and Cell Biology1, 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 Apprenticeship1, 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 Chemistry6, 7
CHEM 3321 Physical Chemistry 6
CHEM 3322 Physical Chemistry II2, 5
CHEM 3341 Inorganic Chemistry5
CHEM 3472 Instrumental Analysis5
CHEM 4335 Polymer Chemistry5
CHEM 4381 Environmental Chemistry6
CHEM 4473 Physical Measurements Lab5
NATS 4V91 Green Fellowship Directed Research
NSC 4V90 Spec. Topics In Neuroscience: Neonatal Neurology1
NSC 4V90 Spec. Topics In Neuroscience: Fear & Anxiety3
NSC 4V90 Spec. Topics In Tauopathies3
NSC 4310 Principles of Pediatric Neurology2
NSC 4320 Sleep and Sleep Disorders3
NSC 4351 Medical Neuroscience3, 6
NSC 4352 Cellular Neuroscience3, 6
NSC 4353 Neuroscience Lab Methods3, 6
NSC 4354 Integrative Neuroscience1, 6
NSC 4358 Neurobiology of Pain3, 6
NSC 4367 Developmental Neurobiology3, 6
NSC 4370 Neuroendocrinology3, 6
NSC 4373 Sensory Neuroscience3, 6
NSC 4377 Neurogenetics3
NSC 4380 Neurology of Cognition3
NSC 4382 Neurobiology of Emotion3
NSC 4383 Human Neurophysiology Lab3

1 Independent 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
2 Offered only in Spring Semester
3 A maximum of 3 hours of NSC Courses may be used for UL approved elective hours
4 BIOL 4302 may only be used once for UL approved elective hours; additional hours will be used for free electives
5 A max. of 3 hours of CHEM Courses may be used for UL approved elective hours
6 May be offered in future semesters
7 BIOL 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.