

Natural Sciences—Minor Checklists

2015 – 2016 Catalog

Name: _____

ID Number: _____

Biology Minor (20 hrs)		
Course	Title	Hrs.
GENERAL BIOLOGY (8 HOURS)		
BIOL1151	General Biology 1	4
BIOL1152	General Biology 2	4
UPPER LEVEL BIOLOGY (4 HOURS)		
BIOL3770	Genetics and Mol. Biol.	4
BIOL3850	Ecology	4
BIOL4770	Cell Biology	4
BIOLOGY ELECTIVES (8 HOURS)		
<i>Any BIOL course numbered 2000 or above. At least one course must be numbered 3000 or above.</i>		
BIOL_____	_____	—
BIOL_____	_____	—
BIOL_____	_____	—

Chemistry Minor (20 hrs)		
Course	Title	Hrs.
GENERAL CHEMISTRY (8 HOURS)		
CHEM1141	General Chemistry 1	4
CHEM1142	General Chemistry 2	4
CHEMISTRY ELECTIVES (12 HOURS)		
<i>Choose from the following list:</i>		
CHEM3305	Organic Chemistry 1	4
CHEM3306	Organic Chemistry 2	4
CHEM3323	Analytical Chemistry 1	4
CHEM3325	Analytical Chemistry 2	4
CHEM4441	Adv. Inorganic Chemistry	4

Geology Minor (20 hrs)		
Course	Title	Hrs.
FOUNDATIONAL COURSES (8 HOURS)		
GEOL1201	Physical Geology	4
GEOL1202	Historical Geology	4
EARTH MATERIALS (4 HOURS)		
GEOL2203	Mineralogy	4
GEOL2204	Sedimentology & Strat.	4
INTEGRATIVE STUDIES (4 HOURS)		
GEOL3100	Field Studies in Reg. Geol.	1 – 4
GEOL4211	Field Methods 1	2
GEOL4212	Field Methods 2	2
GEOL4495	Undergraduate Research	1 – 4
ADDITIONAL GEOLOGY (4 HOURS)		
<i>Any 4 credits of GEOL numbered ≥2000</i>		

Neuroscience Minor (22 – 23 hrs)		
Course	Title	Hrs.
REQUIRED COURSES (15 HOURS)		
BIOL3660	Neuroanatomy	4
BIOL4670	Neuropharmacology	4
PSYC3150	Neurobiol. of Behavior	3
PSYC4150	Physiology of Behavior	4
ELECTIVES (6 – 7 HOURS)		
<i>Choose two courses from the following:</i>		
BIOL4355	Animal Behavior	4
PSYC3151	Sensation & Perception	3
PSYC3152	Cognitive Neuroscience	3

Physics Minor (19 hrs)		
Course	Title	Hrs.
GENERAL PHYSICS (11 HOURS)		
PHYS2211	Calculus-Based Physics 1	4
PHYS2212	Calculus-Based Physics 2	4
PHYS2250	Modern Physics	3
PHYSICS ELECTIVES (8 HOURS)		
<i>Choose from the following list:</i>		
PHYS3000	Intermediate Laboratory	2
PHYS3010	Thermodynamics	3
PHYS3020	Mechanics	3
PHYS4000	Electricity & Magnetism	3
PHYS4010	Quantum Mechanics	3
PHYS4495	Undergraduate Research	3 (max)

Environmental Science Minor (24 hrs)		
<i>The environmental science minor is designed to accompany baccalaureates other than biology, chemistry, or natural science. Students seeking a BS biology degree with an environmental focus should follow the ecology/environmental biology track.</i>		

Course	Title	Hrs.
ENVIRONMENTAL COURSES (20 HOURS)		
BIOL1151	General Biology 1	4
CHEM1141	General Chemistry 1	4
GEOL1201	Phys. Geol./Human Env.	4
NTSC3860	Environmental Science	4
<i>and select one of the following:</i>		
BIOL1152	General Biology 2	4
CHEM1142	General Chemistry 2	4
GEOL2203	Mineralogy	4
ENVIRONMENTAL ELECTIVES (4 HOURS)		
<i>Select one course from the following list:</i>		
BIOL2250	Plant Taxonomy	4
BIOL2252	Dendrology	4
BIOL3271	Non-Vascular Plants	4
BIOL3350	Entomology	4
BIOL3355	Ornithology	4
BIOL3750	Microbiology	4
BIOL3850	Ecology	4
BIOL3852	Marine Biology	4
BIOL3860	Field Methods	4
CHEM2200	Intro. To Organic Chem.	4
CHEM3305	Organic Chemistry 1	4
CHEM3323	Analytical Chemistry 1	4
NTSC3850	Ohio's Natural Heritage	4