

Natural Sciences—Minor Checklists

2016 – 2017 Catalog

Name: _____

ID Number: _____

Biology Minor		(19 – 20 hrs)	
Course	Title	Hrs.	
GENERAL BIOLOGY (8 HOURS)			
BIOL1151	General Biology 1	4	_____
BIOL1152	General Biology 2	4	_____
UPPER LEVEL BIOLOGY (3 – 4 HOURS)			
BIOL3770	Genetics and Mol. Biol.	3	_____
BIOL3850	Ecology	4	_____
BIOL4770	Cell Biology	3	_____
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	_____
CHEM4431	Physical Chemistry 1	4	_____
CHEM4432	Physical 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)			
GEOL2111	Intro. To Geol. Field Mds.	2	_____
GEOL3100	Field Studies in Reg. Geol.	1 – 4	_____
GEOL4212	Adv. Geological Mapping	2	_____
GEOL4495	Undergraduate Research	1 – 4	_____
ADDITIONAL GEOLOGY (4 HOURS)			
<i>Any 4 credits of GEOL numbered ≥2000</i>			
_____	_____	4	_____

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		(20 hrs)	
Course	Title	Hrs.	
GENERAL PHYSICS (11 HOURS)			
PHYS2211	Calculus-Based Physics 1	4	_____
PHYS2212	Calculus-Based Physics 2	4	_____
PHYS2250	Modern Physics	4	_____
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	_____