

Natural Sciences Minors Checklist

2018–2019 Catalog

Name: _____ ID Number: _____

Biology Minor (19–20 hrs.)

General Biology (8 hrs.)

BIOL1151 General Biology 14 ____
BIOL1152 General Biology 24 ____

Upper-Level Biology (3–4 hrs.)

Select one course

BIOL3770 Genetics & Mol. Biol.3 ____
BIOL3850 Ecology4 ____
BIOL4770 Cell Biology3 ____

Biology Electives (8 hrs.)

Any BIOL course numbered 2000 or above.
At least one must be numbered 3000 or above.

BIOL ____ ____
BIOL ____ ____
BIOL ____ ____

Chemistry Minor (20 hrs.)

General Chemistry (8 hrs.)

CHEM1141 General Chemistry 14 ____
CHEM1142 General Chemistry 24 ____

Chemistry Electives (12 hrs.)

Select from the following list:

CHEM3305 Organic Chemistry 14 ____
CHEM3306 Organic Chemistry 24 ____
CHEM3323 Analytical Chemistry 14 ____
CHEM3325 Analytical Chemistry 24 ____
CHEM4431 Physical Chemistry 14 ____
CHEM4432 Physical Chemistry 24 ____
CHEM4441 Adv. Inorganic Chemistry..4 ____

Geology Minor (20 hrs.)

Foundational Courses (8 hrs.)

GEOL1201 Physical Geology4 ____
GEOL1202 Historical Geology4 ____

Earth Materials (4 hrs.)

Select one course

GEOL2203 Mineralogy4 ____
GEOL2205 Sedimentary Petrology4 ____

Integrative Studies (4 hrs.)

GEOL3100 Field Studies in
Regional Geology1–4 ____
GEOL2111 Intro. To Geol. Field
Methods2 ____
GEOL4212 Adv. Geol. Mapping.....2 ____
GEOL4495 Undergrad. Research.....1–4 ____

Additional Geology (4 hrs.)

Any four credits of GEOL courses numbered 2000 or above

GEOL ____ ____
GEOL ____ ____

Microbiology Minor (19 hrs.)

BIOL3750 Microbiology4 ____
BIOL4680 Parasitology4 ____
BIOL4760 Diagnostic Microbiology ...4 ____
BIOL4765 Virology3 ____
BIOL4780 Immunology4 ____

Neuroscience Minor (21–22 hrs.)

Required Courses (15 hrs.)

BIOL3660 Neuroanatomy4 ____
BIOL4670 Neuropharmacology4 ____
PSYC3150 Neurobiology of Behavior. 3 ____
PSYC4150 Physiology of Behavior4 ____

Electives (6–7 hrs.)

Choose two courses from the following:

BIOL4355 Animal Behavior4 ____
LING4452 Language Acquisition3 ____
PSYC3151 Sensation & Perception3 ____
PSYC3152 Cognitive Neuroscience3 ____

Physics Minor (20 hrs.)

Required Courses (12 hrs.)

PHYS2211 Calculus-Based Physics 1 ...4 ____
PHYS2212 Calculus-Based Physics 2 ...4 ____
PHYS2250 Modern Physics4 ____

Physics Electives (8 hrs.)

Select from the following list:

PHYS3000 Intermediate Laboratory2 ____
PHYS3010 Thermodynamics3 ____
PHYS3020 Mechanics3 ____
PHYS4000 Electricity & Magnetism.....3 ____
PHYS4010 Quantum Mechanics.....3 ____
PHYS4495 Undergrad. Research
(3 hrs. max) ____

Environmental Earth-Science Minor (24 hrs.)

GEOL1201 Physical Geology4 ____
GEOL1350 Planet Earth4 ____
GEOL2111 Intro. to Geol. Field Meth...2 ____
GEOL4311 Surface & Groundwater
Hydrology4 ____
GEOL4420 Intro. to GIS3 ____
BIOL3851 Environmental Science4 ____
BIOL2200 Applied Biostatistics3 ____

Environmental Life-Science Minor (24 hrs.)

BIOL1151 General Biology 14 ____
BIOL1152 General Biology 24 ____
BIOL3850 Ecology4 ____
BIOL2201 Field Methods2 ____
GEOL4420 Intro to GIS3 ____
BIOL3851 Environmental Science4 ____
BIOL2200 Applied Biostatistics3 ____

Botany Minor (20-22 hrs.)

Botany Core (12 hours)

BIOL1151	General Biology 1	4	__
BIOL1152	General Biology 2	4	__
BIOL4270	Plant Anatomy and Physiology.....	4	__

Plant Taxonomy (Choose 6 hours)

BIOL2250	Plant Taxonomy	4	__
BIOL2252	Dendrology	4	__
BIOL3250	Spring Floral Taxonomy	2	__
BIOL3251	Summer Floral Taxonomy ..	2	__
BIOL3271	Nonvascular and Seedless Plants.....	2	__
BIOL3272	Phycology.....	2	__

Plant Production (Choose one course)

BIOL2253	Practical Horticulture	4	__
BIOL3254	Economic Botany.....	2	__
BIOL3255	Forest Ecology and Management.....	2	__

Zoology Minor (24 hrs.)

Zoology Core (16 hours)

BIOL1151	General Biology 1	4	__
BIOL1152	General Biology 2	4	__
BIOL3360	Animal Physiology	4	__
BIOL4355	Animal Behavior	4	__

Zoology Electives (Choose 8 hours)

BIOL3350	Entomology.....	4	__
BIOL3351	Spider Biology	1	__
BIOL3355	Ornithology.....	4	__
BIOL3251	Comparative Vertebrate Anatomy.....	4	__
BIOL3852	Marine Biology	3	__
BIOL4360	Herpetology	4	__
BIOL4370	Mammalogy.....	4	__
BIOL4491	Limnology.....	4	__
BIOL4680	Parasitology	4	__

