

# LOPER 8: NATURAL SCIENCE

**BROAD KNOWLEDGE REQUIREMENTS – Every university-educated person should be able to:**

Solve problems and evaluate conclusions using the concepts and methods in a **natural science** discipline (minimum 3 hours). Courses must meet all learning outcomes.

Assessed as:

1. Can use the discipline's concepts and methods to explain natural or physical phenomena
2. Can investigate problems and analyze evidence using appropriate scientific methodology
3. Can make and support an argument based on sound scientific principles
4. Can articulate the significance of scientific knowledge for themselves or for society

**\*\*Natural science requirement may include a lab component (total hours 3 – 4)**

Code	Title	Credit Hours
BIOL 102	Environmental Biology	3
BIOL 103	General Biology	4
BIOL 105	Biology I	4
BIOL 106	Biology II	4
BIOL 215	Human Physiology	4
CHEM 101	Chemistry & Current Events	3
CHEM 145	Introductory Chemistry	4
CHEM 148	Introductory Chemistry for the Health Sciences	4
CHEM 150	Introduction to Organic and Biochemistry	4
CHEM 160 & 160L	General Chemistry and General Chemistry Laboratory	4
CHEM 161 & 161L	General Chemistry and General Chemistry Laboratory	4
GEOG 101	Physical Geography I: The Atmosphere	4
GEOG 102	Physical Geography II: The Lithosphere	4
GEOG 103	The Dynamic Planet: Hazards in the Environment	3
GEOG 201	Earth Science	4
GEOG 209	Meteorology	3
PHYS 100 & 100L	Physical Science and Physical Science Laboratory	4
PHYS 107	Physical Science for Elementary Teachers	4
PHYS 131H	Newton's Universe	4
PHYS 155 & 155L	Science of Sound and Music and Science of Sound and Music Laboratory	4
PHYS 201	Earth Science	4
PHYS 203	General Physics for Allied Health	4
PHYS 205 & 205L	General Physics I and Physics I Laboratory	5
PHYS 209	Meteorology	3

PHYS 210	Astronomy	3
PHYS 275 & 275L	General Physics I (Calculus) and General Physics I (Calculus) Laboratory	5
PHYS 276 & 276L	General Physics II (Calculus) and General Physics II (Calculus) Laboratory	5