

**SVSU COLLEGE OF EDUCATION
ELEMENTARY EDUCATION**

NATURAL SCIENCE MINOR: (24 credit hours)

Twelve (12) credits from:

BIOL 105A	Science of Life (4)	Category 4
or		
BIOL 111A	Principles of Biology (4)	Category 4
CHEM 102B	Concepts of Matter (4)	Category 4
PHYS 107	Our Physical World (4)	Category 4

Twelve (12) credits from:

BIOL 104A	Plants and Civilization (3)	Category 4
BIOL 105B	Environmental Dynamics (4)	Category 4
BIOL 105C	Human Heredity (4)	Category 4
BIOL111B	Principles of Zoology (3)	Category 4
BIOL111C	Principles of Botany (3)	Category 4
CHEM 101	Introduction to Chemistry (4)	
CHEM 111	General Chemistry Lecture I (4)	Category 4
CHEM 111L	General Chemistry Lab I (1)	Category 4
CHEM 112	General Chemistry Lecture II (4)	
CHEM 112L	General Chemistry Lab II (1)	
PHYS 106A	Physical Geology (4)	Category 4
PHYS 106B	Meteorology (4)	Category 4
PHYS 106C	Astronomy (4)	Category 4
PHYS 111	General Physics I (4)	Category 4
PHYS 111L	General Physics Lab I (1)	Category 4
PHYS 112	General Physics II (4)	
PHYS 112L	General Physics Lab II (1)	

NOTE: Advanced science students may choose to substitute the following: Biology 111A **for** BIOL 105A; Chemistry 111 and 111L **for** CHEM 102B; and PHYS 111 and 111L **for** PHYS 107. Any substituted class can only be counted in one natural science section and will add either one or two credit hours.

If Natural Science is part of your Planned Program, complete a minimum of twelve credits from the courses listed above. To satisfy SVSU General Education requirements, a minimum of two departments must be represented, and one course must include a laboratory.

MTTC Subject-Area Test: Students who choose to Minor in Natural Science and wish to become certified to teach Natural Science in grades 6-8 (optional, although recommended), should plan to take the MTTC "Science" subject-area test prior to or during student teaching.