

SECOND ACADEMIC CONCENTRATION

NATURAL SCIENCE

(Elementary Education Majors)

I. **General Education:** Eight semester hours (8 SH) of courses from one theme identified with an asterisk (*) may be applied to satisfy the General Education Science Inquiry requirement.

II. **Natural Science Second Academic Concentration Requirements:..... 18 SH**

A. **Natural Science Courses 8 SH**

Select 8 SH of General Education courses from one of the Science Inquiry Perspective Themes identified below with an asterisk (*)

B. **Elective* Natural Science and Related Courses: 9-10 SH**

Courses must be taken from at least two (2) different areas/prefixes. In addition to the Science Inquiry Perspective Theme chosen to satisfy General Education requirements, select an additional 9-10 SH from any of the remaining themes or courses listed below.

Voyages Through the Cosmos:*

AST 1001 Introductory Astronomy I-
The Solar System* 4 SH
AST 1002 Introductory Astronomy II-
Stars and Galaxies* 4 SH

Biology and Society:*

BIO 1101 Biology in Society I* 4 SH
BIO 1102 Biology in Society II* 4 SH

Chemistry Connections to Our Changing World:*

CHE 1101 Introductory Chemistry I* 3 SH
CHE 1110 Introductory Chemistry
Laboratory I* 1 SH
CHE 1102 Introductory Chemistry II* 3 SH
CHE 1120 Introductory Chemistry
Laboratory II* 1 SH

The Blue Planet:*

GLY 1104 Water: Mountains to Sea* 4 SH
GLY 1105 Oceanography* 4 SH

Restless Planet: Earth, Environment and Evolution:*

GLY 1101 Introduction to Physical Geology* 4 SH
GLY 1102 Introduction to Historical Geology* .. 4 SH
GLY 1103 Introduction to Environmental and
Applied Geology* 4 SH

The Physics of Our Technological World:*

PHY 1103 General Physics I* 4 SH
PHY 1104 General Physics II* 4 SH

BIO 1801 Biological Concepts I 4 SH
BIO 3312 Environmental Studies 3 SH
BIO 4550 Nature Study 3 SH
GHY 3100 Weather and Climate 3 SH
GLY 1510 Geological Science Honors-
Physical 4 SH
GLY 1511 Geological Science Honors-
Historical 4 SH
PHY 3140 Environmental Physics 3 SH
PHY 3150 Physical Principles of Meteorology ... 3 SH

C. **CI 4401 Science and Science Teaching in the Elementary School 3 SH 1 SH**
(1 SH to be counted for SAC credit)

Note: Students are responsible for checking the catalog for prerequisites and co-requisites.

Contact Person: Students should contact their major program coordinator or advisor with questions. If question is in relation to a course listed above, the Chairperson of the department offering the course should be contacted.