

SECOND ACADEMIC CONCENTRATION

NATURAL SCIENCE (Non-Elementary Education)

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

II. SCIENCE CONCENTRATION 20 SH

A. The Science Inquiry Perspective requires 8 semester hours from one theme 8 SH
Courses in themes marked with an * must be taken sequentially. Check the course descriptions for any pre and co-requisites

Biology and Society:*

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

GLY 1103 Introduction to Environmental
and Applied Geology* 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

How Things Work*

PHY 1101 How Things Work* 4 SH
PHY 1102 Environment and Everyday Life* 4 SH

Physics of Our Technological World:*

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

The Blue Planet:*

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

Physics of Self Expression*

PHY 1101 How Things Work* 4 SH
PHY 1810 Light and Color* 4 SH
PHY 1812 Acoustics and Harmonics 4 SH
PHY 1814 Sound and Recording 4 SH

Restless Planet: Earth, Environment and Evolution:*

GLY 1101 Introduction to Physical Geology* 4 SH
GLY 1102 Introduction to Historical Geology* 4 SH

Physics with Calculus

PHY 1150 Analytical Physics I* 5 SH
PHY 1151 Analytical Physics II* 5 SH

B. Select the three courses below that do not carry the same prefix as the sequence you took as your General Education Science Inquiry requirement 12 SH

BIO 1101 Concepts of Biology (required if BIO course
not taken as General Education Science) 4 SH
CHE 1101/1110 Introduction to Chemistry I (required if CHM course
is not taken as General Education Science)* 4 SH (F;S)
GLY 1101 Introduction to Physical Geology (required if GLY course
is not taken as General Education Science)* 4 SH (F;S)
PHY 1101 How Things Work I (required if PHY course
is not taken as General Education Science)* 4 SH (F)

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

NOTE FOR MIDDLE GRADES EDUCATION MAJORS: Middle Grades Education Majors selecting Science as one of their two Middle Grades Concentrations satisfy this Science Second Academic Concentration. **Middle grades education majors should follow their Middle Grades Science Program of Study and must contact Dr. Laurie Ramirez, Middle Grades Coordinator, 412 F College of Education Building, 262-8008.**

Contact person: Students should contact their major program coordinator or advisor with questions.