

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 1201 Biology in Society I*(Prereq: ND)..... 3 SH
BIO 1202 Biology in Society II*(Prereq: ND)..... 3 SH
BIO 1203 Biology in Society Laboratory*
(Prereq: ND)..... 2 SH

How Things Work*

PHY 1101 How Things Work* (Prereq: ND; Coreq:
MAT 1010 or MAT 1020, or MAT 1025)..... 4 SH
PHY 1102 Environment and Everyday Life*
(Prereq: PHY 1101)..... 4 SH

Chemistry Connections to Our Changing World:*

CHE 1101 Introductory Chemistry I*
(Prereq: ND. Pre/Co-req CHE 1110)..... 3 SH
CHE 1110 Introductory Chemistry Laboratory I*
(Prereq: ND. Pre/Co-req CHE 1101)..... 1 SH
CHE 1102 Introductory Chemistry II*
(Prereq: ND, CHE 1101, CHE 1110;
Pre/Co-req CHE1120) 3 SH
CHE 1120 Introductory Chemistry Laboratory II
(Pre/Co req: CHE 1102) 1 SH

Physics of Our Technological World:*

PHY 1103 General Physics I* (Prereq: ND; Coreq
MAT 1020 or MAT 1025)..... 4 SH
PHY 1104 General Physics II*(Prereq: ND, PHY 1103) .4 SH

Physics of Self Expression*

PHY 1101 How Things Work* (Prereq: ND)..... 4 SH
PHY 1810 Light and Color* (Prereq: ND, MAT 1025) ... 4 SH
PHY 1812 Acoustics and Harmonics* (Prereq: ND,
MAT 1010)..... 4 SH
PHY 1814 Sound and Recording* (Prereq: ND,
PHY 1812 or PHY 1103 or PHY 1150) 4 SH

The Blue Planet:*

GLY 1104 Water: Mountains to Sea* 4 SH
GLY 1105 Oceanography*(Prereq: ND) 4 SH

Physics with Calculus*

PHY 1150 Analytical Physics I* (Prereq: ND.
Coreq: MAT 1110)..... 5 SH
PHY 1151 Analytical Physics II*(Prereq: ND.
Coreq: MAT 1120) 5 SH

Restless Planet: Earth, Environment and Evolution:*

GLY 1101 Introduction to Physical Geology*
(Prereq: ND)..... 4 SH
GLY 1102 Introduction to Historical Geology*
(Prereq: ND)..... 4 SH
GLY 1103 Environmental Change, Hazards, and
Resources*(Prereq: ND) 4 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 requirement12 SH

BIO 1201/1203 Biology in Society I (if BIO course
not taken as General Education Science)*5 SH (F;S)
CHE 1101/1110 Introductory Chemistry I (required if CHE 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 (required if PHY course
is not taken as General Education Science)*4 SH (F)

Note: ND Prerequisite: Passing math placement test or successful completion of MAT 0010.

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.