

**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 (\*)
- Voyages Through the Cosmos:\*  
AST 1001 Introductory Astronomy I-  
The Solar System\*(Prereq: ND)..... 4 SH  
AST 1002 Introductory Astronomy II- Stars and  
Galaxies\*(Prereq: ND, AST 1001) ..... 4 SH
- 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
- 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  
CHE 1120) ..... 3 SH  
CHE 1120 Introductory Chemistry Laboratory II\*  
(Pre/Co-req: CHE 1102)..... 3 SH
- The Blue Planet:\*  
GLY 1104 Water: Mountains to Sea\* ..... 4 SH  
GLY 1105 Oceanography\*(Prereq: ND) ..... 4 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
- The 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
- B. **Electives: Natural Science and Related Courses:.....9 SH**  
Courses must be taken from at least two (2) different areas/prefixes. Students may also select from the Science Inquiry Perspective Themes not chosen above for General Education. Students select an additional 9 SH from any of the remaining themes or courses listed below.
- BIO 1801 Biological Concepts I  
(Coreq: CHE 1101)..... 4 SH  
BIO 3312 Environmental Studies\* .....  
(Prereq: BIO 1802 & RC 2001 or equivalent) .. 3 SH  
GHY 3100 Weather and Climate (Prereq:  
GHY 1010) ..... 3 SH  
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  
GLY 1104 Water: Mountains to Sea\* ..... 4 SH  
GLY 1105 Oceanography\* (Prereq: ND) ..... 4 SH  
GS 4404 The Meaning and Nature Of Science\*  
(Prereq: RC 2001 or its equivalent)..... 3 SH  
PHY 3140 Environmental Physics (Prereq: PHY 1104  
or PHY 1151) ..... 3 SH  
PHY 3150 Atmospheric Physics (Prereq: ND, PHY 1150  
and PHY 1151) ..... 3 SH
- C. **CI 4401 Methods of Elementary Science Teaching 3 SH.....1 SH**  
(1 SH to be counted for SAC credit)

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

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.