AREA: Earth and Environmental Sciences/Geology Track

Bachelor of Science Degree
CIP 40.0601

University Studies Requirements ............ 38-43 hrs
(See Academic Degrees and Programs.)

Required Courses............................................ 50 hrs
ARC 150 Introduction to Archaeology¹
ARC 320 Human Ecology
CHE 105 Introductory Chemistry
EES 100T Transitions
EES 101 The Earth and the Environment²
EES 102 Earth Through Time³
EES 110 World Geography¹
EES 202 Intro to Geographic Information Sciences
EES 210 Hydrology
EES 301 Understanding Scientific Communication
EES 310 Rock and Mineral Resources
EES 312 Introduction to Remote Sensing
EES 314 Sediments and Soils
EES 336 Principles of Geomorphology
EES 562 Hydrogeology

Required Limited Electives .................... 8 hrs
choose from the following approved electives:
ARC 300 Archaeological Method and Theory
ARC 302 Archaeological Field Work I
ARC 304 Archaeological Laboratory Methods
ARC 390 Geoarchaeology
BIO 101 Biological Concepts
CHE 201 General College Chemistry
CHE 202 General Chemistry and Qualitative Analysis
CET 280 Plane Surveying
EES 200 Introduction to Oceanography
EES 303 Introduction to Water Science
EES 305 Introduction to Cartography
EES 306 Landscapes of the National Parks
EES 330 Economic Geography
EES 339 Field Geology
EES 350 Field Techniques in Geosciences
EES 388 International Experience in the Geosciences
EES 424 Conservation and Environmental Geosciences
EES 433 Structural Geology
EES 489 Cooperative Education/Internship
EES 507 Land Use Planning
EES 512 Remote Sensing
EES 521 Geographic Information Systems
EES 522 Digital Cartography
EES 533 Paleoeocology
EES 534 Invertebrate Paleontology
EES 536 Soils and Geomorphology
EES 542 Watershed Ecology
EES 578 Terrestrial Ecosystem Modeling
EES 579 Remote Sensing of Vegetation
EES 591 Special Problems
EES 592 Special Problems
EES 593 Special Problems
PHY 130 General Physics I
PHY 131 General Physics I Laboratory

Collateral requirements ............................ 7-8 hrs
MAT 150² (or above) or STA 135² (or above)
CSC 101³ or CSC 199³

Unrestricted Electives .............................. 11-17 hrs

Total Curriculum Requirements .................. 120 hrs

¹Will count towards University Studies Global Awareness, Cultural Diversity, and the World’s Artistic Tradition requirements.
²Will count towards University Studies Scientific Inquiry, Methodologies, and Quantitative Skills requirements.
³This is a University Studies electives writing-intensive or technology-intensive course.