AREA: Earth and Environmental Sciences/Geography and GIS Track

Bachelor of Science Degree

CIP 40.0601

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

Required Courses .................................................. 47 hrs
ARC 150 Introduction to Archaeology¹
ARC 320 Human Ecology
EES 100T Transitions
EES 101 The Earth and the Environment²
EES 110 World Geography¹
EES 125 Weather and Climate²
EES 202 Introduction to Geographic Information Science
EES 301 Understanding Scientific Communication
EES 305 Introduction to Cartography
EES 312 Introduction to Remote Sensing
EES 330 Economic Geography
EES 336 Principles of Geomorphology
EES 512 Remote Sensing
EES 521 Geographic Information Systems

Required Limited Electives ........................................ 11 hrs
(choose from the following approved electives)
EES 210 Hydrology
EES 303 Introduction to Water Science
EES 306 Landscapes of the National Parks
EES 310 Rock and Mineral Resources
EES 314 Sediments and Soils
EES 350 Field Techniques in Geosciences
EES 390 Geoarchaeology
EES 424 Conservation and Environmental Geosciences
EES 488 Cooperative Education/Internship
EES 489 Cooperative Education/Internship
EES 507 Land Use Planning
EES 522 Digital Cartography
EES 562 Hydrogeology
EES 578 Terrestrial Ecosystem Modeling
EES 579 Remote Sensing of Vegetation
EES 591 Special Problems
EES 592 Special Problems
EES 593 Special Problems

Collateral requirement ............................................. 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 Traditions 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.