

Earth and Environmental Sciences Major

Atmosphere and Surface Processes Concentration

(58 semester hours including extra-departmental requirements)

Common Core Requirements for all Departmental Concentrations (14 semester hours)

ENVI 110: Intro to Environmental Sciences—3hrs; ENVI 110L: Intro to Environmental Sciences Lab—1hr; ENVI 170: Earth Science—3hrs; ENVI 170L: Earth Science Lab—1 hr; ENVI 130: World Cultures and Environments—3hrs; ENVI 460: Conservation and Sustainability of Natural Resources—3hrs

Concentration Core (29 semester hours)

Required courses: ENVI 211: Physical Geography—3 hrs; ENVI 353: Weather and Climate—3 hrs; ENVI 350: Geomorphic Processes—3 hrs

Required Chemistry courses: CHEM 105: General Chemistry I—3 hrs; CHEM 105L: General Chemistry I Lab—1 hr

Required Math courses: MATH131: Calculus I—4 hrs; MATH 132: Calculus II—4 hrs

Required Physics course: PHYS 105: General Physics—3hrs; PHYS 105L: General Physics Lab—1hr

Chemistry/Physics Elective: CHEM 106: General Chemistry II—3 hrs and CHEM 106L: General Chemistry II Lab—1 hr or PHYS 106: General Physics II—3 hrs and PHYS 106L: General Physics II Lab—1hr

Directed Electives (15 hours; at least one course from each area)

Atmosphere and Hydrosphere: ENVI 361: Oceanography—3 hrs; ENVI 453: Climatology—3 hrs; ENVI 454: Intro to Hydrology—3 hrs

Landscapes: ENVI 452: Quaternary Environments—3hrs; ENVI 463: Soil Genesis and Classification—3 hrs; ENVI 351: Regional Geomorphology— 3 hrs

Methods of Environmental Analysis: ENVI 405: Fundamental Remote Sensing—3hrs; ENVI 401: GIS: Applications—3hrs; ENVI 415: Advanced Quantitative Geography—3hrs; ENVI 490: Field Geography United States—3 hrs