

GEOSCIENCES MAJOR, BACHELOR OF ARTS (BA)

The BA in Geosciences has two options: 1) Climate Change and Environmental Justice prepares to help study and support society in an ever-changing world and 2) Geosciences is an option that allows students to best fit their interest by building a degree with a Geosciences advisor.

Geoscience combines social and natural science methods and knowledge to help us understand the complex problems facing businesses, government agencies, and community organizations. Geoscientists are uniquely qualified to investigate issues involving competing land use, complex land management problems, and integrated natural and cultural resource development. Students specializing in geoscience gain exposure to all aspects of the discipline from human and physical geography for their degree and specialize in sub-fields such as GIS, water resources, climate change, carbon budgeting, and other personalized experiences.

Careers options may include: GIS, Environmental fields, transportation, energy companies, Governmental regulation and natural resource departments, and public health.

Note: two years of a single high school foreign language or one year of a single college-level foreign language is required.

Required Core

GEOS 100	DISCOVERING GEOLOGY	5
GEOS 113	THE EARTH'S CLIMATE AND WEATHER	5
GEOS 200	GLOBALIZATION AND THE ENVIRONMENT	5
GEOS 321	GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR SOCIAL SCIENCES	5
or GEOS 323	GEOGRAPHIC INFORMATION SYSTEMS I: SPATIAL ANALYSIS FOR ENVIRONMENTAL SCIENCES	
GEOS 460	GEOSTATISTICS	4
GEOS 497	WORKSHOP, SHORT COURSE, CONFERENCE, SEMINAR (variable title and credits)	1

Choose one of the following Concentrations and Capstone 45

Please note that 60 credits of 300 or 400-level courses are required for graduation.

Geosciences

In consultation of faculty advisor, take at least 45 credits (at least 35 must be taken at the 300- or 400 level, including capstone) of GEOS credit electives.

All GEOS courses are possible electives to satisfy this concentration

Capstone

GEOS 490A	SENIOR CAPSTONE: WATER AND THE WEST, WATER RESOURCES IN ARID LANDS
or GEOS 490	CAPSTONE: ENVIRONMENTAL GEOCHEMISTRY

Climate Change and Environmental Justice

GEOS 204	HOT EARTH: PEOPLE AND CLIMATE CHANGE
GEOS 230	WORLD GEOGRAPHY
GEOS 317	RESOURCES AND CONSERVATION
GEOS 352	ENVIRONMENTAL JUSTICE
GEOS 450	RESOURCES AND MANAGEMENT

Electives—choose at least 10 additional approved GEOS credits at 300–level or above, or PLAN 376, PLAN 430, or PLAN 442

All GEOS courses are possible electives to satisfy this concentration—check with your advisor.

Capstone

GEOS 490	THE GEOSCIENTIST'S CAPSTONE
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Total Credits 70

University Competencies and Proficiencies

English (<http://catalog.ewu.edu/undergraduate-degree/#newitemtext>)

Quantitative and Symbolic Reasoning (<http://catalog.ewu.edu/undergraduate-degree/#mathcompproficienciestext>)

Placement and Clearance (<http://catalog.ewu.edu/placement/>)

Prior Learning/Sources of Credit AP, CLEP, IB (<http://catalog.ewu.edu/prior-learning/>)

General Education Requirements (<http://catalog.ewu.edu/undergraduate-degree/#generaleducationrequirementstext>) (GER)

- Minimum Credits—180 cumulative credit hours
 - 60 upper-division credits (300 level or above)
 - 45 credits in residence (attendance) at Eastern, with at least 15 upper-division credits in major in residence at Eastern
- Minimum Cumulative GPA ≥ 2.0

Breadth Area Core Requirements (BACR)

Humanities and Arts (<http://catalog.ewu.edu/undergraduate-degree/#humanitiesandfineartsgecrtext>)

Natural Sciences (<http://catalog.ewu.edu/undergraduate-degree/#naturalsciencesgecrtext>)

Social Sciences (<http://catalog.ewu.edu/undergraduate-degree/#socialsciensesgecrtext>)

University Graduation Requirements (<http://catalog.ewu.edu/undergraduate-degree/#universitygraduationrequirementstext>) (UGR)

Diversity Course List (<http://catalog.ewu.edu/undergraduate-degree/#cultureandgenderdiversityintheuslisttext>)

Foreign Language (<http://catalog.ewu.edu/undergraduate-degree/#foreignlanguageugrtext>) (for Bachelor of Arts)

Global Studies Course List (<http://catalog.ewu.edu/undergraduate-degree/#internationalstudiesrequirementtext>)

Minor or Certificate (<http://catalog.ewu.edu/undergraduate-degree/#majorminororcertificateugrtext>)

Senior Capstone Course List (<http://catalog.ewu.edu/undergraduate-degree/#capstonecourselisttext>)

Application for Graduation (use EagleNET (<https://inside.ewu.edu/eaglenet/>)) must be made at least two terms in advance of the term you expect to graduate (undergraduate and post-baccalaureate).

Use the Catalog Archives (<https://catalog.ewu.edu/archives/>) to determine two important catalog years (<http://catalog.ewu.edu/undergraduate-degree/#activecatalogruletext>).

Degree Works (<https://inside.ewu.edu/records-and-registration/degree-works/>) calculates based on these two catalog years.

- a. The catalog *in effect at the student's first term* of current matriculation is used to determine **BACR** (Breadth Area Credit Requirements) **and UGR** (Undergraduate Graduation Requirements).
- b. The catalog *in effect at the time the student declares a major or minor* is used to determine the program requirements.

Students who successfully earn a BA in Geosciences from EWU should be able to do the following:

- demonstrate knowledge of human–environment interactions;
- apply geoscience techniques to a complex problem;
- produce a professionally formatted report that effectively communicates;
- demonstrate advanced critical skills in the geosciences in preparation for the professional job market or graduate studies.