

College of Science, Technology, Engineering, and Mathematics

Geology BA

(66-72 credits)

Why study Geology?

Geology is the science of planet Earth. Geologists use elements of chemistry, physics, biology and mathematics in interpreting the evolution of the earth and its life forms. Applied geology addresses exploration of earth resources, environmental quality and hazards and practical understanding of the planet on which we live. Geologists at EWU use elements of chemistry, physics, biology and mathematics to interpret the history of the Earth and its life forms. Courses address Earth resources, evaluation of natural hazards and environmental quality. Faculty and students use advanced chemical and physical analytical techniques and computers to understand and model natural systems.

Other Degree Options

BS in Geology
BAE in Earth and Space Science , Secondary Education
Minor in Geology

Career Opportunities

Employment opportunities include such varied possibilities as park naturalist, urban and regional planner, or geological technician.



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<http://www.ewu.edu/cstem>

This is an example of a four year class schedule. Academic Advisors are there to help create individualized plans.

First Year	Q1	Q2	Q3
	CHEM 151 (5 cr.)	CHEM 152 (5 cr.)	BACR (5 cr.)
	ENGL 101 (5 cr.)	ENGL 201 (5 cr.)	BACR (5 cr.)
	MATH 142 (5 cr.)	GEOL 120 (5 cr.)	GEOL 121 (5 cr.)
Second Year	Q5	Q6	Q7
	BACR (5 cr.)	General Elective (3 cr.)	Diversity (upper-division) (5
	General Elective (1 cr.)	General Elective (5 cr.)	General Elective (5 cr.)
	GEOL 122 (5 cr.)	Supporting course (see catal	GEOL 313 (4 cr.)
	GEOL 311 (4 cr.)	GEOL 312 (4 cr.)	
Third Year	Q9	Q10	Q11
	General Elective (2 cr.)	Upper Div Elective (5 cr.)	General Elective (5 cr.)
	GEOL upper-level elective (s	Upper Div Elective (5 cr.)	General Elective (5 cr.)
	GEOL upper-level elective (s	Upper Div Elective (5 cr.)	GEOL upper-level elective (s
	Global (upper-division) (5 cr.		
Fourth Year	Q13	Q14	Q15
	General Elective (3 cr.)	General Elective (5 cr.)	General Elective (5 cr.)
	GEOL 490 (10 cr.) or 490A or	General Elective (5 cr.)	General Elective (5 cr.)
	GEOL upper-level elective (s	General Elective (5 cr.)	General Elective (5 cr.)
	GEOL upper-level elective (s		

Listed is a Sample Four Year Plan. Individual plans will vary based on placement test scores and class availability.



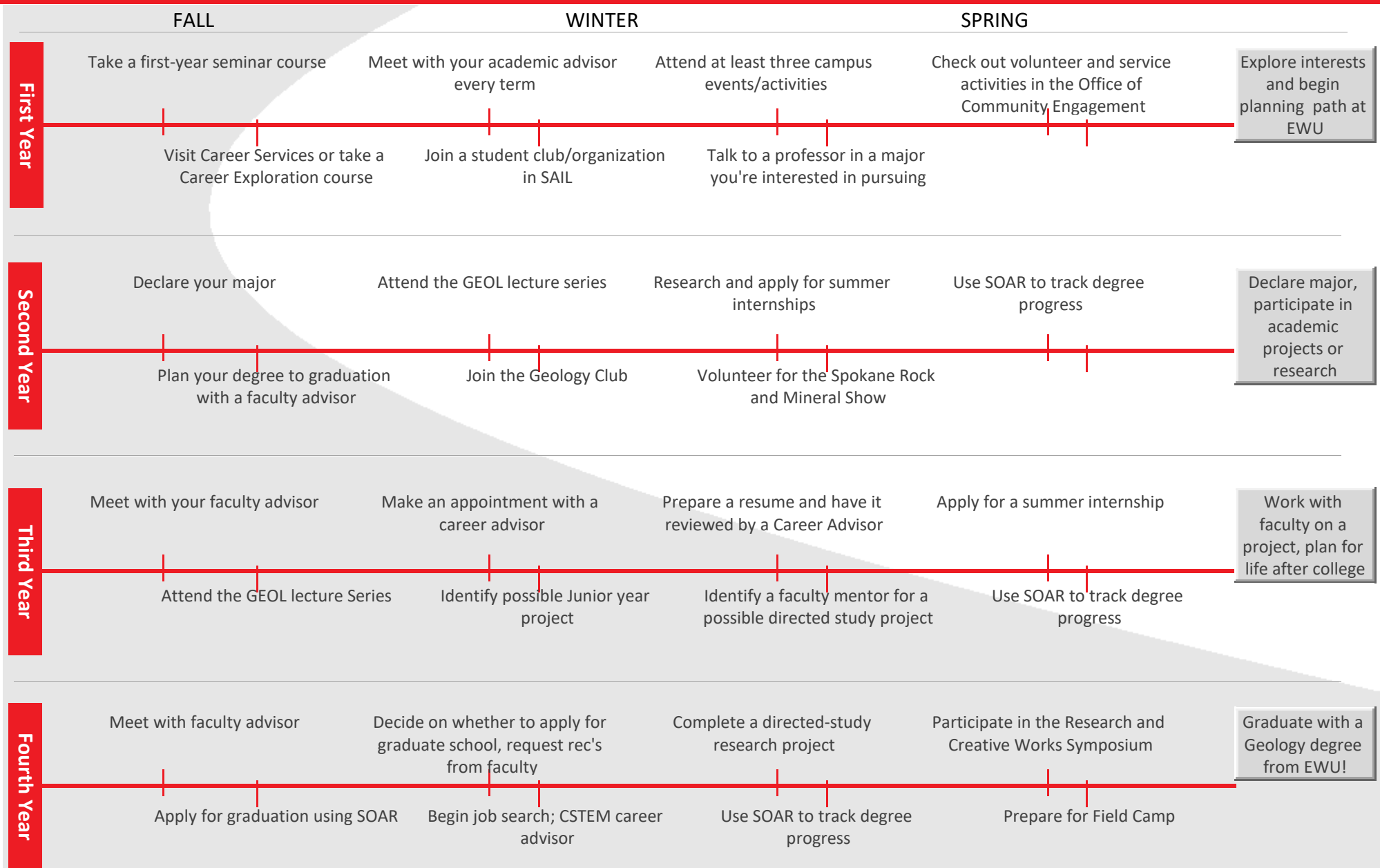
Flight Plan to Success

The following milestones will help you succeed and improve your experience at EWU.

Geology, BA

College of Science, Technology, Engineering, and Mathematics

Geology



All recommended activities can occur at any time during a student's time at EWU



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Student's name: _____ EWU ID: _____

College of Science, Technology, Engineering, and Mathematics
 SOAR Department: Geology | SOAR Major: GEOL BA
 Major Declaration Form: Geology, BA-GEOL
 Math proficiency needed: MATH 142

Bachelor of Arts in Geology
 2018-2019 Catalog Year

First year courses and prerequisites	Notes	Previously offered **
Q1 CHEM 151 GENERAL CHEMISTRY (5 cr.) Prerequisites: \geq C in MATH 141 or concurrent enrollment; \geq C in CHEM 100 or \geq C in CHEM 161 or one year of high school chemistry.	Satisfies: a BACR for natural sciences. Note: quantitative and qualitative laboratory work is included.	F17, W18, Sp18
Q1 ENGL 101 COLL COMP: EXPOSITN & ARGUMNT (5 cr.) Prerequisite: Writing Placement Test or General Advising.	Satisfies: university competencies, writing.	F17, W18, Sp18, Su18
Q1 MATH 142 PRECALCULUS MATH II (5 cr.) Prerequisite: MATH 141 or equivalent.	Satisfies: completion of this course with a grade \geq C satisfies the university proficiencies in mathematics.	F17, W18, Sp18, Su18
Q2 CHEM 152 GENERAL CHEMISTRY (5 cr.) Prerequisites: \geq C- in CHEM 151, or instructors permission, and a \geq C in MATH 141.	Satisfies: a BACR for natural sciences. Note: laboratory work includes quantitative and qualitative analysis.	F17, W18, Sp18, Su18
Q2 ENGL 201 COLL COMP: ANALYSIS/RES/DOCMNT (5 cr.) Prerequisite: ENGL 101, Writing Placement Test or general advising.	Satisfies: university proficiencies, writing.	F17, W18, Sp18, Su18
Q2 GEOL 120 PHYS GEOL - THE SOLID EARTH (5 cr.) Prerequisites: MTHD 104 or equivalent.	Satisfies: the completion of GEOL 120 counts as one course for the BACR in natural science; the completion of GEOL 120 and GEOL 121 counts as two courses for the BACR for natural science. Note: weekly laboratories and one field trip are required.	F17, W18, Su18
Q3 BACR (5 cr.)		
Q3 BACR (5 cr.)		
Q3 GEOL 121 PHYS GEOL - SURFICIAL PROCESS (5 cr.) Prerequisites: MTHD 104 or equivalent.	Satisfies: the completion of GEOL 121 counts as one course for the BACR in natural science; the completion of GEOL 120 and GEOL 121 counts as two courses for the BACR for natural science. Note: weekly laboratories and one field trip are required.	W18, Sp18

I have discussed this academic plan with the student listed above. Advisor name: _____ Advisor signature: _____

* See the catalog for prerequisites and other details.

** Future course offerings may differ from the past. Check the course schedule for future courses.

To follow this MAP, you should place into MATH 142. If you place lower, your custom MAP may change.

This list of courses is for information purposes only. All students are required to follow the catalog requirements for the year they declared a major.

In addition to the courses listed above, this major requires completion of two years of the same foreign language in high school or one year of a college-level foreign language.

Second year courses and prerequisites

Notes

Previously offered **

Q5	BACR (5 cr.)	
Q5	General Elective (1 cr.)	
Q5	GEOL 122 HISTORICAL GEOLOGY (5 cr.) Prerequisite: GEOL 121.	W18, Sp18
Q5	GEOL 311 EARTH MATERIALS (4 cr.) Prerequisites: GEOL 120 and CHEM 151.	F17
Q6	General Elective (3 cr.)	
Q6	General Elective (5 cr.)	
Q6	Supporting course (see catalog) (5 cr.)	
Q6	GEOL 312 CRYST AND OPT MIN (4 cr.) Prerequisite: GEOL 311.	W18
Q7	Diversity (upper-division) (5 cr.)	
Q7	General Elective (5 cr.)	
Q7	GEOL 313 IGNEOUS & METAMORPHIC PETROL (4 cr.) Prerequisites: GEOL 311 and GEOL 312.	Sp18

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Third year courses and prerequisites

Notes

Previously offered **

Q9	General Elective (2 cr.)	
Q9	GEOL upper-level elective (see catalog) (4 cr.)	
Q9	GEOL upper-level elective (see catalog) (4 cr.)	
Q9	Global (upper-division) (5 cr.)	
Q10	Upper Div Elective (5 cr.)	
Q10	Upper Div Elective (5 cr.)	
Q10	Upper Div Elective (5 cr.)	
Q11	General Elective (5 cr.)	
Q11	General Elective (5 cr.)	
Q11	GEOL upper-level elective (see catalog) (4 cr.)	

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Q13	General Elective (3 cr.)
Q13	GEOL 490 (10 cr.) or 490A or 491 (4 cr.)
Q13	GEOL upper-level elective (see catalog) (4 cr.)
Q13	GEOL upper-level elective (see catalog) (4 cr.)
Q14	General Elective (5 cr.)
Q14	General Elective (5 cr.)
Q14	General Elective (5 cr.)
Q15	General Elective (5 cr.)
Q15	General Elective (5 cr.)
Q15	General Elective (5 cr.)

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