



DEPARTMENT OF GEOLOGICAL SCIENCES
EARTH SCIENCE BACHELOR OF ARTS
CLASS OF 2023



Earth Science B.A.

NAME:

TERM 1	TERM 2	TERM 3	TERM 4	TERM 5	TERM 6	TERM 7	TERM 8
GE B4 MATH 120/125/130 135/150A 3-5 units	GE B2 BIOL 101+101L or BIO 152 3-5 units	CHEM100+101L or CHEM 120A 3-5 units	GEOG 110 or GEOG 114 3-4 units	PHYS 101, 115, 211/211L or 225/225L 3-4 units	ENG 301/360 or GEOL498 3 units	Related Fields Elective 4 units	Related Fields Elective 4 units
GE B1 GEOL 101 or GEOL 110T 3 units	GEOL 201 3 units	GEOL 335 3 units	Earth Science elective 3 units	Earth Science elective 3 units	Earth Science elective 3 units	GEOL 470 or Earth Science elective 3-4 units	GEOL 420 or Earth Science elective 3-4 units
GE B3 GEOL 101L 1 unit	undesignated elective 3 units	GEOL 381 3 units	UD GE B5 GEOL 333 3 units	undesignated elective 3 units	undesignated elective 3 units	undesignated elective 4 units	undesignated elective 4 units
GE A3 CNSM 101 3 units	GE C3 3 units	undesignated elective 3 units	GE C2 3 units	GE C1 3 units	GE E 3 units	UD GE C4 3 units	UD GE D4 3 units
GE A1 or A2 3 units	GE A1 or A2 3 units	GE D1 3 units	GE D2 3 units	GE D3 3 units	undesignated elective 3 units		
13-15 units	15-17 units	15-17 units	15-16 units	15-16 units	15 units	14-15 units	14-15 units

min. 27	related sciences
min. 32	Earth Science BA core
max. 52	additional lower division GE and undesignated units
min. 9	upper division GE
120	TOTAL UNITS

INSTRUCTIONS FOR COMPLETING THE EARTH SCIENCE BACHELOR OF ARTS

1. Meet with your assigned faculty advisor each semester to plan and review your academic progress.
2. Visit your College of Natural Sciences and Mathematics Student Success Team in MH 488 to review GE and graduation requirements.
3. Complete GE courses in areas A1, A2, A3 and B4 with a C or better.
4. Complete a total of 12 units in GE Area B.
5. One course from GE Area Z can also fulfill a requirement in categories C3, D5 or E. Check your Titan Degree Audit for courses that appear in both categories.
6. Apply for Graduation through your Student Center at the start of Term 7.

EARTH SCIENCE BACHELOR OF ARTS

The Bachelor of Arts in Earth Science is a flexible and broad-based degree in the natural sciences. This degree is offered for students who are interested primarily in teaching K-12 science or preparation for a variety of careers related to society's interactions with the natural environment.

Though many advisor-approved substitutions are possible, the following courses are required to complete the B.A. in Earth Science:

EARTH SCIENCE CORE COURSES

- Complete the **seven** core courses listed below:

Course	Course Title
GEOL 101	Introduction to Geology
GEOL 101L	Introduction to Geology Laboratory
GEOL 201	Earth History
GEOL 333	General Oceanography
GEOL 335	Hydrology and Surface Processes
GEOL 381	Data Collection and Analysis
GEOL 420 or GEOL 470	Capstone course: Earth Science Communication, or Environmental Geology

- Complete **four** Earth Science (i.e. GEOL or GEOG) electives, six units of which **MUST** be GEOL. A maximum of six units of GEOL310T may be applied to this category. Examples shown below:

Course	Course Title
GEOL 310T	Topic: Geology of the National Parks (1, 2, 3 units)
GEOL 310T	Topic: Earth's Environmental Crisis (3)
GEOL 322	Paleontology

- Meet the University Upper Division GE writing requirement by completing **one** of the following courses:

Course	Course Title
ENGL 301	Advanced College Writing
ENGL 360	Technical Writing
ENGL 363	Scientific Writing
GEOL 498	Undergraduate Thesis

RELATED FIELDS CORE COURSES

- Complete a minimum of 16 units by taking at least one course in each of the five subject areas below:

Course	Course Title
Biology	101/101L (3/1) or 152 (5)
Chemistry	100/100L (4) or 120A (5)
Geography	110 (3) or 114 (4)
Mathematics	120 (3), 125 (5), 130 (4), 135 (3), or 150A (4)
Physics	101 (3), 115 (4), 211/211L (3/1) or 225/225L (3/1)

RELATED FIELDS ELECTIVES

- Work with your Advisor to select at least **eight** units in the following subject areas:

Course	Example Course Numbers (units)
Anthropology	103 (3), 106 (3), 343 (3), 382 (3), 402 (3), 403 (3)
Astronomy	101/101L (3/1)
Biology	151 (5), 274 (5), 314 (3), 318 (3), 404 (3), 409 (3)
Chemistry	120A (5), 120B (5), 125 (3)
Engineering	214/214L (2/1), 324/324L (3/1)
Geography	120 (3), 281 (3), 313 (3), 328 (3), 432 (3), 481 (3)
Mathematics	120 (3), 125 (5), 130 (4), 135 (3), 150A (4), 150B (4)
Physics	120 (3), 212/212L (3/1) or 226/226L (3/1)

GENERAL EDUCATION REQUIREMENTS

- Area A.** Complete one course in each subarea for a total of 9 units of lower division.

Subarea	Title
A1	Oral Communication
A2	Written Communication
A3	Critical Thinking: CNSM 101 Think Like Einstein

- Area B.** Complete one course in each subarea; the course in B3 must be associated with the course taken to satisfy B1 or B2. Area B courses must include 9 lower division and 3 upper division units.

Subarea	Title
B1	Physical Science: GEOL 101 or 110T
B2	Life Science: BIOL 101 or 152
B3	Laboratory Activity: GEOL 101L
B4	Mathematics/Quantitative Reasoning
B5	Science Exploration: MATH 338 or GEOL333

- Area C.** Complete 3 units from C.1; 3 units from C.2; 3 units from C.3; and 3 units from either C.1 or C.2 for a total of 9 lower division and 3 upper division units.

Subarea	Title
C1	Introduction to Arts
C2	Introduction to Humanities
C3	Exploration in the Arts/Humanities

- Area D.** Complete 9 lower division and 3 upper division units.

Area	Title
D1	Introduction to the Social Sciences
D2	American History, Institutions, and Values
D3	American Government
D4	Explorations in Social Sciences (upper division)

- Area E.** Complete 3 lower division units.

Area	Title
E	Lifelong Learning and Self Development