



The following courses are for the major requirements and are offered in no particular order. Please consult with your advisor for scheduling sequence. (\*\*Courses offered in alternating years (S) – Spring Only (F) – Fall Only)

<b><u>COURSE</u></b>	<b><u>USP</u></b>	<b><u>CREDITS</u></b>	<b><u>PREREQUISITES</u></b>
<input type="checkbox"/> GEOL 1005 Earth History	S	4.0	none
<input type="checkbox"/> or GEOL 1100 Physical Geology	SE	4.0	none
<input type="checkbox"/> or GEOL 1200 Historical Geology	SE	4.0	none
<input type="checkbox"/> or GEOL 1500 Water, Dirt, & Earth's Environment	SE	4.0	none
<input type="checkbox"/> GEOL 2000 Geochem Cycles & the Earth System (F)	SE	4.0	1000-level GEOL course with a lab & CHEM 1020 concur
<input type="checkbox"/> GEOL 2005 Introduction to Geophysics (S)		4.0	1000-level GEOL course with lab, MATH 1450 or higher
<input type="checkbox"/> GEOL 2010 Mineralogy (S)		3.0	GEOL 1005, 1100, or 1200; CHEM 1020/ concur
<input type="checkbox"/> GEOL 2020 Introduction to Petrology (F)		2.0	GEOL 2010
<input type="checkbox"/> GEOL 2100 Stratigraphy & Sedimentation (F)		4.0	GEOL 1100
<input type="checkbox"/> GEOL 4610 Structural Geology & Tectonics (F)		4.0	GEOL 2010
<input type="checkbox"/> GEOL 4717 Field Course in Geology (summer)		2-6 (max6)	GEOL 2100, 4610
<input type="checkbox"/> GEOL 4820 Capstone (S)	WC	3.0	junior standing & 26 hrs in the dept
<input type="checkbox"/> CHEM 1020 General Chemistry I	SP	4.0	Math ACT 23 or concur MATH 1400 or 1405 or 1450
<input type="checkbox"/> or CHEM 1050 Advanced General Chemistry I (F)	SP	4.0	1 yr H.S. Chem & Math ACT 27 or MATH 2200 concur
<input type="checkbox"/> CHEM 1030 General Chemistry II	SP	4.0	CHEM 1020
<input type="checkbox"/> or CHEM 1060 Adv General Chemistry II (S)	SP	4.0	CHEM 1050 or 1020 with permission
<input type="checkbox"/> MATH 2200 Calculus I	QB	4.0	C in MATH 1405 or 1450 or Level 5 on Math Placement or Math ACT 27 or SAT 600
<input type="checkbox"/> MATH 2205 Calculus II		4.0	C in MATH 2200 or adv. placement MATH 2200
<input type="checkbox"/> PHYS 1110 General Physics I (F)	SP	4.0	MATH 1450, 1405 or equiv
<input type="checkbox"/> or PHYS 1210 Engineering Physics I	SP	4.0	C in MATH 2200 & MATH 2205 concur

15 credit hours in Geology courses at 2000-level and above:

<input type="checkbox"/> Course:	_____	_____	_____
<input type="checkbox"/> Course:	_____	_____	_____
<input type="checkbox"/> Course:	_____	_____	_____
<input type="checkbox"/> Course:	_____	_____	_____
<input type="checkbox"/> Course:	_____	_____	_____



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<u>COURSE</u>	<u>USP</u>	<u>CREDITS</u>	<u>PREREQUISITES</u>
4-8 hours of GEOL 1000-level intro lab course(s):			
<input type="checkbox"/> Course: _____	SE	_____	_____
<input type="checkbox"/> Course: _____	SE	_____	_____
<input type="checkbox"/> GEOL 2000 Geochem Cycles & the Earth System (F)	SE	4.0	1000-level GEOL course with a lab & CHEM 1020 concur
<input type="checkbox"/> GEOL 2100 Stratigraphy and Sedimentation (F)		4.0	GEOL 1100
<input type="checkbox"/> GEOL 2080 General Field Geology (F)	SE	3.0	GEOL1100,1200or1005
<input type="checkbox"/> or GEOL 3080 General Field Geology (F)	SE, WC	3.0	GEOL1100,1200or1005
<input type="checkbox"/> GEOL 4820 Capstone (S)	WC	3.0	jr standing&26 hrs in dpt
<input type="checkbox"/> LIFE 1010 General Biology	SB	4.0	C in MATH 0921 or Level 2 on Math Placement or Math ACT 21 or SAT 600
<input type="checkbox"/> CHEM 1020 General Chemistry I	SP	4.0	Math ACT 23 or concur MATH1400,1405or1450
<input type="checkbox"/> PHYS 1110 General Physics I (F)	SP	4.0	MATH 1450, 1405 or equiv
<input type="checkbox"/> MATH 1405 Trigonometry	QA	3.0	C in MATH 1400 or Level 4 Math Placement or Math ACT 25 or SAT 600
<input type="checkbox"/> or MATH 1450 Algebra and Trigonometry	QA	5.0	C in MATH 0925 or Level 3 Math Placement or Math ACT 23 or SAT 600

12 credit hours in electives with advisor consultation, at least 6 hrs of which must be taken outside of the department:

<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____

Six courses from the list below:

<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____
<input type="checkbox"/> Course: _____	_____	_____	_____

ATSC 2000 Intro to Meteorology – SE (Pre: none)

or GEOG 3450 Weather and Climate (Pre: GEOG 1000, 1010 or 1020) – Offered Spring Semester

GEOG 3010 Geomorphology of Earth's Dynamic Landscapes (Pre: GEOG 1010 or GEOL 1500 & QA & QB)

GEOL 2005 Intro to Geophysics (Pre: 1000-level GEOL course with lab, MATH 1450 or higher) – Offered Spring Sem

GEOL 2050 Principles of Paleontology (Pre: GEOL 1100 or LIFE 1000 or 1010) – Offered Spring Semester

GEOL 2070 Introduction to Oceanography (Pre: GEOL 1100; CHEM 1020)

GEOL 3400 Geologic Hazards: A Historical and Scientific Review – SE (Pre: junior standing)

GEOL 3500 Global Change: A Geological Perspective (Pre: junior standing & an intro class in physical sciences)

GEOL 3600 Earth and Mineral Resources – SE, G (Pre: QA and L)

GEOL 3650 Energy: A Geological Perspective – SE, G (Pre: QA and L)

GEOL 4444 Geohydrology (Pre: MATH 2205) – Offered Spring Semester

GEOL 4490 Geochemistry (Pre: GEOL 2010, CHEM 1020, MATH 2200, 2205) – Offered Spring Semester

GEOL 4610 Structural Geology and Tectonics (Pre: GEOL 2010) – Offered Fall Semester

GEOL 4835 Applied/Exploration Geophysics (Pre: GEOL 1100, one yr of physics & MATH 2210) – Offered Spring Sem

POLS 4051 Environmental Politics – WC (Pre: POLS 1000)

SOIL 4120 Genesis, Morphology and Classification of Soils (Pre: SOIL 2010) – Offered Fall Semester

ECON 2400 Economics of the Environment (Pre: ECON 1010, 1020 or consent)

ECON 4400 Environmental Economics (Pre: ECON 3020 & junior standing; or consent of instructor)

or ECON 4410 Natural Resource Economics (Pre: ECON 3020 & junior standing; or consent of instructor)