

## Earth and Space Exploration concentration in Geological Sciences course information

Course prefix	Course Name	Hrs	When	Prerequisites
SES 121	Earth, Solar System and Universe	3	F	
SES 123	Earth, Solar System and Universe Lab	1	F	Pre- or corequisite: SES 121 with C or better if completed
SES 122	History of the Earth and Solar System	3	S	SES 121 with C or better
SES 124	History of the Earth and Solar System Lab	1	S	SES 123 with C or better; Pre- or corequisite: SES 122 with C or better if completed
SES 230	Coding for Exploration	3	F	AST 111 or GLG 101 or SES 121 with C or better; Pre- or corequisite(s): MAT 265 or 270 with C or better if completed
GLG 310	Structural Geology	3	F	GLG 101 or SES 121 with C or better; MAT 170, 171, 210, 251, 265, or 270 with C or better
GLG 321	Mineralogy	3	F	CHM 113 (or both CHM 111 and 117 or 114) with C or better; MAT 170, 210, 265 or 270 with C or better
GLG 451	Field Geology I	3	S	ENG 101, 105, or 107 with C or better; GLG 310 with C or better; Pre- or corequisite: GLG 321
GLG 452	Field Geology II	3	SS	GLG 310; GLG 321; GLG 451 (all with C or better)
GLG branch	See list on 2 <sup>nd</sup> page for suggestions	6	F,S	
GLG electives	Upper-division GLG or SES electives	9	F,S	Must be 300-499 level
SES 401	SESE Colloquium	1	F,S	Minimum 45 hours
CHM 113	General Chemistry I	4	F,S,SS	CHM 101 with C or better or ALEKS score of 61 or higher OR Pre- or corequisite(s): MAT 170, 171, 210, 251, 265 or 270 with C or better if completed
CHM 116	General Chemistry II	4	F,S,SS	CHM 113, 114, or 117 with C or better
MAT 265/270	Calculus I	3	F,S,SS	MAT 170 or 171 with C or better or ALEKS score of 76 or higher. Credit is allowed for only MAT 265 or MAT 270
MAT 266/271	Calculus II	3	F,S,SS	MAT 265 or 270 with C or better; Credit is allowed for only MAT 266 or 271
MAT 267/272	Calculus III	3	F,S,SS	MAT 266 or 271 with C or better; Credit is allowed for only MAT 267 or 272
PHY 121	University Physics I: Mechanics	3	F,S,SS	MAT 265 or 270 with C or better; Pre- or corequisite: MAT 266 or 271 with C or better if completed
PHY 122	University Physics Laboratory I	1	F,S,SS	Pre- or corequisite: PHY 121 with C or better if completed
PHY 131	University Physics II: Elec.& Mag.	3	F,S,SS	Prerequisite: MAT 266 or 271 with C or better; PHY 121 with C or better; Pre- or corequisite: MAT 267 or 272 with C or better if completed
PHY 132	University Physics Laboratory II	1	F,S,SS	Pre- or corequisite: PHY 131 with C or better if completed

Select 2 of the following branch options:

Course prefix	Course Name	Hrs	When	Prerequisites
GLG 362	Geomorphology	3	F	GLG 101 or SES 121 with C or better; MAT 266 or 271 with C or better
GLG 418	Geophysics	3	F	MAT 272 or 267 with C or better; PHY 131 and 132 (or PHY 151) with C or better
GLG 424	Petrology	3	S	GLG321 with C or better
GLG 430	Paleontology	3	F	GLG 102 or SES 122 with C or better; GLG 104 or SES 124
GLG 435	Sedimentology	3	S	GLG 102 or SES 122 with C or better; pre- or corequisite(s): GLG 321 with C or better if completed
GLG 471	Hydrology	3	F	CEE 341 or MAE 340 or GLG 362 with C or better
GLG 481	Geochemistry	3	S	BCH 341, CHM 341, CHM 346 or GLG 321 with C or better

Codes for offering: F = fall, S =spring, SS =summer session

A semicolon (;) equals "AND"

Special note: This handout is intended as a helpful tool for scheduling planning only. Students and advisors should consult the course catalog for official course information as pre-requisites and course offerings are constantly evolving.