School of Earth and Space Exploration
Arizona State University

Requirements for the Geological Sciences Minor

The minor in geological sciences consists of 21 credit hours, of which at least 13 credit hours must be completed at the upper-division level. All courses must be completed with a grade of "C" (2.00 on a 4.00 scale) or better.

Additional prerequisite courses may be needed in order to complete the requirements of this minor (see bottom of Page 2 for more information).

Required Courses – 15 credit hours

GLG 101 Introduction to Geology I (Physical) (3)
GLG 103 Introduction to Geology I-Laboratory (1)
GLG 102 Introduction to Geology II (Historical) (3)
GLG 104 Introduction to Geology II-Laboratory (1)
GLG 310 Structural Geology (3)
GLG 321 Mineralogy (3)
SES 401 Earth and Space Exploration Colloquium (1)

GLG Upper Division Electives – 6 credit hours

Six credits of geological sciences electives (GLG prefix) at the 300-499 level. Courses in other related subjects may be approved by an academic advisor in the School of Earth and Space Exploration. Students should receive approval for substitutions prior to registration.

Advising Procedures: A student's major advisor can officially add the minor for the student using the code LAGLGMIN. The DARS system will be used for tracking student progress and verifying completion of the minor.

IMPORTANT NOTE: Students cannot double count courses in their minor toward CORE classes in their major (related area courses are okay). Therefore, certain combinations of majors and minors are not permitted.

Incompatible Majors: BA in earth and environmental studies; BS in earth and environmental studies; BS in earth and space exploration (astrobiology and biogeosciences); BS in earth and space exploration (geological and planetary sciences)

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Geological Sciences Minor Check sheet

Course	Title	Pre-requisites	Offered
GLG 101	Physical Geology		F/S/SS
GLG 102	Historical Geology		F/S
GLG 103	Physical Geology Lab		F/S/SS
GLG 104	Historical Geology Lab	Pre- or Co-req GLG102	F/S
GLG 310	Structural Geology	GLG 101 or SES 121; MAT 170, 210 or 251 C or better	F
GLG 321	Mineralogy	CHM 113 (or both CHM 111 and 117 or 114); MAT 170 (or higher); both with C or better	S
SES 401	SESE Colloquium		F/S
GLG elective	Various options	Varies by course; must be upper division	F/S
GLG elective	Various options	Varies by course; must be upper division	F/S

F=Fall; S=Spring; SS=Summer Session

Additional minimum math and chemistry prerequisites needed for the completion of this minor:

MAT 170 Precalculus with a grade of "C" or better
CHM 113 General Chemistry I with a grade of "C" or better

The College of Liberal Arts and Sciences
PO Box 876004 Tempe, AZ 85287-6004
p: 480-965-5081 **f:** 480-965-8102 **web:** sese.asu.edu

Updated 2/28/2025 by Kelli Wallace