

# Geology Minor

Department of Earth & Atmospheric Sciences, 303-556-3143, Science 2028

College of Letters, Arts, and Sciences

Catalog 16-17

This sheet applies to the 2016-17 catalog *only*. It does not replace the full catalog or departmental advising sheets as official statements of requirements. Students with declared minors *must* work with a faculty advisor on course selection and sequencing to ensure a timely graduation.

Core Courses	20
Elective Courses	4 Min.
Total for Geology Minor	24

For class descriptions and additional prerequisite recommendations please see MSU catalog at: <http://msudenver.edu/academics/catalog/>

<b>Geography Minor Required Courses</b>			<b>Credits</b>	<b>Elective Courses Continued (min 4 credits)</b>			<b>Credits</b>
___	GEL	1010 Physical Geology	4	___	ENV	3540 Advanced Geologic and Environmental Hazards-Denver and Vicinity (Preq. 9 credits of GEG or GEL)	2
___	GEL	1030 Historical Geology	4				
___	GEL	3050 Intro to Mineralogy & Optical Mineralogy (Preq. GEL 1010, CHE 1800)	4	___	ENV	3700 Mountain Environments (Preq. ENV 1200, 9 credits of ENV, GEL, Physical GEG, BIO, CHE, MTR and Junior Standing)	3
___	GEL	4450 Sedimentary Geology & Stratigraphy (Preq. GEL 1030, GEL 3050, and MTH 1120 or MTH 1400)	4	___	ENV	4000 Environmental Geology (Preq. GEL 1010, GEL 3120 & GEL 3420)	3
___	GEL	4460 Structural Geology and Mapping (Preq. GEL 4450)	4	___	ENV	4010 Environmental Hazards and GIS (Preq. ENV 4000; GEG 3610 Recommended)	3
<b>Elective Courses (min 4 credits)</b>			<b>Credits</b>				
___	GEL	1020 Geology of Colorado	3				
___	GEL	2530 Introduction to Geologic Field Methods (Preq. GEL 1010, GEG 1220 or equivalent)	2				
___	GEG	3120 Geomorphology (Preq. GEL 1010 or GEG 1100)	4				
___	GEL	3420 Soil Resources (Preq. ENV 1200)	4				
___	GEL	3440 Energy and Mineral Resources (Preq. ENV 1400 & GEL 3050)	4				
___	GEL	3510 Advanced Geology of Red Rocks Park and Vicinity (Preq. 9 credits of GEG or GEL)	1				
___	GEL	3520 Advanced Garden of the Gods-Front Range Geology (Preq. 9 credits of GEG or GEL)	2				
___	GEL	3530 Advanced Geology of the Colorado Plateau Field Course: Variable Topics (Preq. GEL 1010, one lower GEL field course)	2				
___	GEL	3550 Advanced Geology of the Great Sand Dunes National Monument (Preq. 9 credits of GEG or GEL)	2				
___	GEL	3920 Directed Study in Geology (Preq. 15 credits of GEL)	2-6				
___	GEL	4050 Igneous and Metamorphic Petrology (Preq. GEL 3050)	4				
___	GEL	4150 Hydrology (Surface Water) (Preq. GEG 1100 or GEG 1910 or ENV 3400) (Preq. or Co: CSS 1010 or CIS 1010, MTH 1210)	4				
___	GEL	4250 Hydrogeology (Groundwater) (Preq. GEL 1010, CHE 1800, MTH 1110) (Preq. or Co: GEL 3420)	4				