

GEOSCIENCES MINOR

The Geosciences minor is a flexible six-course program for students of any major who want to explore this discipline beyond the introductory level. Students considering this minor are advised to complete their first geoscience course (ideally GEOS 150 Introduction to Geology) by the end of sophomore year, and they are advised to declare the minor no later than the end of spring semester junior year.

Requirements

Code **Title**

Required introductory course:

GEOS 150	Introduction to Geology
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Select five of the following additional Geosciences electives: ^{1,2}

BIOL 233	Freshwater Ecology
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CHEM 325	Environmental Forensics
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GEOS 120	Geohazards
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GEOS 210	Geomorphology
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GEOS 270	Watershed Hydrology
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GEOS 310	Paleoclimatology
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GEOS 350	Oceanography
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GEOS 401	Undergraduate Research
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GEOS 405	Directed Reading
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GEOS 407	Honors Research
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Because the Geosciences draw on tools and techniques from many disciplines, students may substitute one Geosciences elective with one of these complimentary courses: ²

BIOL 275	Biological Statistics
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or ECON 149 Statistical Analysis

or PSYC 200 Statistics

or SOCL 226 Social Statistics

or STAT 220 Statistics

CHEM 231	Equilibrium & Reactivity
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CSCI 131	Techniques of Programming
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ENVS 247	Introduction to Geographic Info Systems
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MATH 136	Calculus 2
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PHYS 115	Introductory Physics 1: Mechanics, Fluids and Waves
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STAT 130	Introduction to Data Science
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¹ Students may count up to two pre-approved geosciences courses taken through the Colleges of Worcester Consortium or a Holy Cross Study Abroad program toward their electives.

² Only one 100-level, non-lab geosciences course (e.g. GEOS 120) and only one semester of GEOS 401, 405, or 407 may be counted toward the minor.

Students ordinarily may not count more than two courses taken for their major toward the Geosciences minor. Students thinking about applying to graduate school in the Geosciences are further advised to complete at least two semesters each of Chemistry, Physics, and Calculus, as most programs currently require these courses for admission, regardless of major or minor.