

Hours over 300 must include:

GEOG 326	Urban Geography	4
GEOG 456	The City & the Environment	4

Two of the following:

GEOG 329	World Economic Geography	4
GEOG 350	Land Use Planning	4
GEOG 353	Environmental Planning	4
GEOG 455	Evolution of Planning	4

Choice of two technique courses from the following:

GEOG 360	Cartography	5
GEOG 361	Statistical Geography	5
GEOG 365	Air Photo Interpretation	4
GEOG 370	GIS Applications	4
GEOG 466	Remote Sensing	5
GEOG 468	Automated Cartography	5
GEOG 478	Principles of GIS	5

Three of the following:

GEOG 101	Intro to Geology	5
GEOG 231	Water and Pollution	4
GEOG 315 or GEOG 330	Landforms and Landscapes Prin. of Geomorphology	5
GEOG 316	Biogeography	4
GEOG 417	Landscape Ecology	4

Other Departments (12 hrs)

Except for MGT 202, these courses currently fulfill the social sciences area requirement of the College of Arts and Sciences.

ECON103 or ECON 303	Prin. of Microeconomics Microeconomics	4
ECON 104 or ECON 304	Prin. of Macroeconomics Macroeconomics	4
MGT 202	Management	4
POLS 320	Urban Politics	4
SOC 424	Urban Sociology	4

Work with your advisor to develop a plan to complete University General Education Requirements.

Electives

Try to take the remaining credit hours necessary for graduation from the following:

BUSL 442	Law of Property and Real Estate	4
ECON 213	Current Economic Prob.	4
ECON 303	Microeconomics	4
ECON 304	Macroeconomics	4
ECON 360	Money and Banking	4
HIST 317A	Ohio History to 1851	4
HIST 317B	Ohio History Since 1851	4
POLS 101	American Nat. Govt.	4
POLS 102	Issues in Amer. Politics	4
POLS 210	Princ. of Public Admin	4
POLS 408	Urban Public Admin.	4
POLS 410	Public Policy Analysis	4
POLS 424	Intergovernmental Relations in the U.S.	4
POLS 425	Environ. and Natural Resource Politics and Policy	4
PSY 335	Environmental Psych.	5
SOC 101	Intro to Sociology	5
SOC 201	Contemp. Social Problems	4
SOC 230	Sociology of Poverty	4
SOC 425	Sociology of Aging	4
SW 101	Intro to Social Welfare and Social Work	3
SW 290	Social Welfare as an Inst.	4
SW 395	Aging in the Welfare State	4

Outside the College of Arts and Sciences

EH 310	Water Supply and Wastewater Environ. Health Practice	4
EH 312	Solid and Hazardous Waste Management	4
EH 320	Shelter Environments	4
HREC 310	Prog. Planning and Facil. for Recreation	5
COMS 205	Group Discussions	4
COMS 304	Prin. and Tech. of Interviewing	4
REAL 101	Real Estate Prin. and Prac.	4
REAL 201	Real Estate Appraising	4
REAL 204	Real Estate Finance	4

Geological Sciences**Geological Sciences Major (B.S.)****Major code BS3321**

Required courses for the **B.S. degree** in minimum preparation for a professional career in geological sciences or entry into graduate school include 62 hours of geology:

GEOG 101	Intro to Geology	5
GEOG 205	Statistical Methods	4
GEOG 255	Historical Geology	4
GEOG 315	Mineralogy	5
GEOG 320	Petrology	4
GEOG 330	Prin. of Geomorphology	5
GEOG 340	Prin. of Invertebrate Paleontology	4
GEOG 350	Stratigraphy-Sedimentology	4
GEOG 360	Structural Geology	5
GEOG 420	Petrography	5
GEOG 446	Earth Systems Evolution	4
GEOG 466	Geodynamics	4
GEOG 465A	Field Camp I	4
GEOG 475B	Field Camp II	5

At least three additional 400 level courses. If conducting a senior thesis: at least two additional 400 level courses.

Extrdepartmental requirements

CHEM 151, 152, 153 or CHEM 121, 122, 123	Fund. of Chemistry	15 or 12
MATH 263A, B	Calculus	8
PHYS 201, 202* or 251, 252, 253 or 251, 202	Intro to Physics General Physics	10 or 15 or 10

*Discuss the selection of an appropriate physics sequence with your advisor. PHYS 203 may be required for some graduate programs.

Geological Sciences Major (B.A.)**Major code BA3321**

Requirements for the **B.A. degree** are designed for students interested in applying a general understanding of the geological sciences to such fields as education, library science, technical writing, or other areas where a general knowledge of earth science is desired. They include 52 hours of geology:

GEOG 101	Intro to Geology	5
GEOG 205	Statistical Methods	4
GEOG 255	Historical Geology	4
GEOG 315	Mineralogy	5
GEOG 320	Petrology	4
GEOG 330	Prin. of Geomorphology	5
GEOG 340	Prin. of Invertebrate Paleontology	4
GEOG 350	Stratigraphy-Sedimentol.	4
GEOG 360	Structural Geology	5
GEOG 466	Geodynamics	4

at least two additional courses at the 400 level

Extrdepartmental requirements

CHEM 121, 122	Prin. of Chemistry	8
PHYS 201	Intro to Physics	5
MATH 115	Precalculus	5

Consult the departmental undergraduate advisor regarding appropriate minors to be combined with the B.A. degree.

Geological Sciences Minor**Minor code OR3321**

A minor in geological sciences requires a minimum of 25 hours of coursework in geological sciences to include 101, 255, and a minimum of three courses at the 300–400 level.

Geological Sciences—Environmental Geology Major (B.S.) Special curriculum; major code B53323

The preprofessional program in environmental geology is designed to provide you with broad training in preparation for a career in conservation, natural resource management, land-use planning, or environmental quality control. In most instances, you should anticipate further training at the graduate level. Consult with the undergraduate advisor in the Department of Geological Sciences before planning your schedule of coursework.

The courses listed below constitute the departmental requirements for this program. Schedule additional courses to fulfill Arts and Sciences and University General Education Requirements.

Major courses include 54 hours of geology:

GEOL 101	Intro. to Geology	5
GEOL 205	Statistical Methods	4
GEOL 255	Historical Geology	4
GEOL 315	Mineralogy	5
GEOL 320	Petrology	4
GEOL 330	Prin. of Geomorphology	5
GEOL 350	Stratigraphy- Sedimentology	4
GEOL 360	Structural Geology	5
GEOL 427	Water Geochemistry	4
GEOL 480	Principles of Hydrogeology	4
GEOL 475A	Field Camp I	4
GEOL 475B	Field Camp II	4

Natural science courses

BIOS 220	Conserv. and Biodiversity	4
CHEM 151, 152, 153 or CHEM 121, 122, 123	Fund. of Chemistry	15 or 12
CHEM 301, 302	Organic Chemistry	6
MATH 263A, 263B	Calculus	8
BIOS 221, 222	Environ. Microbiology	6
PHYS 201, 202 or PHYS 251, 252, 253	Intro to Physics General Physics	10 or 15

Social Science courses

BUSL 370	Environmental Law	4
ECON 313 or ECON 314	Econ. of the Environment Nat. Resources Economics	4
GEOG 478	Geog. Info. Systems	5

A minimum of two courses from the following list:**Natural Sciences**

BIOS 376	Field Ecology	4
BIOS 431	Limnology	5
CHEM 325	Instr. Methods of Analysis	4
CHEM 431	Chemical Sep. Methods	3
CHEM 432	Chem. Instrumentation and Electrochemistry	3
CHEM 433	Spectrochemical Analysis	3

GEOG 302	Meteorology	5
GEOG 303	Climatology	5
GEOL 432	Orig. and Class. of Soils	4
GEOL 434	Intro to Remote Sensing	4
GEOL 476	Subsurface Methods	4
GEOL 481	Groundwater Flow Modeling	4
GEOL 485	Intro to Appl. Geophysics	4
PBIO 410	Plants and Soils	4
PBIO 425	Plant Ecology	5

Social Science

ECON 313	Econ. of the Environment	4
ECON 314	Nat. Resources Economics	4
ECON 335	Economics of Energy	4
GEOG 350	Land Use Planning	4
GEOG 353	Environmental Planning	4
GEOG 365	Remote Sensing	5
GEOG 440	Environ. Impact Analysis	4
GEOG 447	Resource Management	5
GEOG 475	Analysis of Geog. Systems	4
GEOG 479	Adv. Geographic Information Systems	5
POLS 425	Environ. and Natural Res. Politics and Policy	4

German

See Modern Languages.

Gerontology Certificate Program

The Colleges of Arts and Sciences and Health and Human Services jointly sponsor the undergraduate Gerontology Certificate Program for students in any major program within the University who want to gain knowledge and skills for a career in working with the elderly. Completion of this program is officially recognized on your transcript upon graduation.

See the College of Health and Human Services section for Gerontology Certificate Program requirements.

Global Learning Community

The Global Learning Community (GLC) is an innovative program that prepares students for leadership opportunities in a rapidly changing world. Open to all majors, the GLC brings together the resources of the colleges of Communication, Arts and Sciences, and Business in an interdisciplinary 30 quarter-hour residential program on global issues, with a strong emphasis on real-world projects and problem-solving skills.

GLC courses are not traditional classes with lectures, tests, and papers. Instead, students work in project teams on real-world problems and issues. Each GLC student completes at least two international and cross-cultural projects.

For additional information, see the complete program description in the "University-Wide Academic Opportunities" section or visit the GLC Web site: <http://www.ohio.edu/glc/>.