GEOGRAPHIC INFORMATION SCIENCE MINOR

Geographical Sciences (GEOG)
2108M LeFrak Hall
301-405-4073
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www.geog.umd.edu

Requirements

See undergraduate advising office for more information: LeFrak Hall 2108, 301-405-4073.

Course | Title | Credits
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**Required Courses**
GEOG372 | Remote Sensing | 3
GEOG373 | Geographic Information Systems | 3
Two courses from the following: | 6
GEOG416 | Conceptualizing and Modeling Human-Environmental Interactions | 
GEOG473 | Geographic Information Systems and Spatial Analysis | 
GEOG475 | Computer Cartography | 
GEOG476 | Object-Oriented Computer Programming for GIS | 
GEOG498 | Topical Investigations (GEOG498I Algorithms for Geospatial Computing) | 
**Other similar courses**
GEOG306 | Introduction to Quantitative Methods for the Geographic Environmental Sciences | 3
or BIOM301 | Introduction to Biometrics | 
or BMGT230 | Business Statistics | 
or CCJS200 | Statistics for Criminology and Criminal Justice | 
or ECON321 | Economic Statistics | 
or EDMS451 | Introduction to Educational Statistics | 
or GVPT422 | Quantitative Political Analysis | 
or INST314 | Statistics for Information Science | 
or JOUR405 | Breaking News With Numbers: Statistics for Journalists | 
or PSYC200 | Statistical Methods in Psychology | 
or SOCY201 | Introductory Statistics for Sociology | 

Minor Requirements for Geography Majors

Course | Title | Credits
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**Geography Major Required Courses**
GEOG306 | Introduction to Quantitative Methods for the Geographic Environmental Sciences | 3
GEOG372 | Remote Sensing | 3
GEOG373 | Geographic Information Systems | 3
GEOG476 | Object-Oriented Computer Programming for GIS | 3
Select one of the following: | 3
GEOG472 | Remote Sensing: Digital Processing and Analysis | 
GEOG473 | Geographic Information Systems and Spatial Analysis | 
GEOG475 | Computer Cartography | 

Total Credits 15

Student must achieve a “C-” or better in each course applied to the minor in Geographic Information Systems. Students must have a minimum 2.0 cumulative grade point average across all courses, including the supporting sequence, used to satisfy the minor requirements.

Minor Requirements for Non-Geography Majors

Course | Title | Credits
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**Non-Geography Major Required Courses**
GEOG201/211 | Geography of Environmental Systems | 3
or GEOG202 | Introduction to Human Geography | 
GEOG306 | Introduction to Quantitative Methods for the Geographic Environmental Sciences | 3
GEOG372 | Remote Sensing | 3
GEOG373 | Geographic Information Systems | 3
Select one of the following: | 3
GEOG472 | Remote Sensing: Digital Processing and Analysis |