**GEOGRAPHIC INFORMATION SCIENCE MINOR**

Geographical Sciences (GEOG)
2108M LeFrak Hall
301-405-4073
geog-advice@umd.edu
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 course:

- 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.