REMOTE SENSING OF ENVIRONMENTAL CHANGE MINOR

Geographical Sciences (GEOG)
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The Remote Sensing of Environmental Change minor program (RSEC) is designed to build students’ understanding of global environmental change in order to assess their impacts on the physical and human landscapes, and to use remote sensing as an analytical tool for identifying the impacts. Students in the minor program will receive technical training in remote sensing to examine how extreme environmental events shape human society and ecosystems from the interdisciplinary perspective afforded by the field of geography.

Admission to the Program

There are no special requirements for the minor program in Remote Sensing of Environmental Change. The Department of Geographical Sciences welcomes students from every area of study. GIS and ENSP students are also welcome to enroll in this minor.

Requirements

• All credits for the minor must be taken in the Department of Geographical Sciences at the University of Maryland, College Park.
• All courses must be completed with a grade of “C-” or better.
• No more than six credits are to be included in the minor and student’s major, supporting courses, and college requirements.

Course | Title | Credits
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Foundation Course
Choose one Foundations Course | 3
GEOG140 Natural Disasters: Earthquakes, Floods, and Fires | 3
GEOG170 Mapping our Digital World | 3
Technical Geography Courses
GEOG272 Introduction to Earth Observation Science | 3
GEOG472 Remote Sensing: Digital Processing and Analysis | 3
Select one Physical Geography Course: | 3
GEOG340 Geomorphology | 3
GEOG301 Advanced Geographical Environmental Systems | 3
Select one Human Dimension of Global Change Course: | 3
GEOG328 Topics in Regional Geography (GEOG328B - China) | 3
GEOG328 Topics in Regional Geography (GEOG328C - Sub-Saharan Africa) | 3
GEOG330 As the World Turns: Society and Sustainability in a Time of Great Change | 3
GEOG331 Introduction to Human Dimensions of Global Change | 3
GEOG332 Economic Geography | 3
GEOG423 Latin America | 3

Select one Advanced Integrated Course: 3
GEOG415 Land Use, Climate Change, and Sustainability
GEOG416 Conceptualizing and Modeling Human-Environmental Interactions
GEOG431 Culture and Natural Resource Management
GEOG441 The Coastal Ocean
GEOG442 Biogeography and Environmental Change

Total Credits 18