

# Geography Major Plan at Macalester

By studying contemporary global issues like food, poverty, housing, migration, land change, health, and urbanization, geographers examine how people interact with one another and their environments. Whatever the issue, Geography prepares students to make an impact through training in geospatial analysis, mapping and data visualization, communication with diverse public audiences, and collaborative engagement with communities in the Twin Cities and beyond.

GEOGRAPHY	Contemporary Global Issues			
	Urban Systems & Transformations	Development & Migration	Health, Food & Society	Environmental Change
Introductory 100 Level Courses (Choose 1)	Human Geography of Global Issues World Regional Geography			
Required Methods Courses	Geospatial Analysis ~ Analyzing and Visualizing the World Introduction to Geographic Information Systems (GIS) and Statistical Research Methods in Geography			
Intermediate 200 & 300 Level Courses (Choose 4)  May include advanced geospatial courses.  Courses listed alphabetically; see college catalog for complete descriptions.	200 - Metro Analysis - Migration & Identity - Population 8 Billion - Urban Ecology 🏠 - Urban Geography - World Urbanization  300 - Asian Cities - City Life 🏠 - Development Geography - Urban GIS 🏠	200 - Migration & Identity - Political Geography - Population 8 Billion - Urban Ecology 🏠 - Urban Geography - World Urbanization  300 - Asian Cities - City Life 🏠 - Development Geography - Rural Landscapes 🏠	200 - Environmental Hazards - Medical Geography - People, Ag & Environment 🏠 - Population 8 Billion - Urban Ecology 🏠  300 - Development Geography - Health GIS	200 - Environmental Hazards - Migration & Identity - People, Ag & Environment 🏠 - Population 8 Billion - Urban Ecology 🏠  300 - Rural Landscapes 🏠 - Neotropical Landscapes
Advanced Methods Courses	Adv Remote Sensing, Adv Cartography & Geovisualization, Cultural Atlas 🏠, GIS & Community Partnerships 🏠, Health GIS, Qualitative Research Methods 🏠, Remote Sensing, Urban GIS 🏠			
Area Studies (Choose 1 or study away)	Africa, Asia 🏠, Latin America, Mongolia, US & Canada (Connect to Area Study Programs including African Studies, Asian Studies, Latin American Studies, Middle East & Islamic Studies)			
Senior Seminars 400 Level (Choose 1)	Cities of the 21st Century Environment & Development Global Urbanism Medical Geography Migration Transportation			
Cross-listed courses that complement Geography Pathways		Race, Place and Space	Water & Power	Environmental Geology
Concentrations that complement Geography Pathways	Human Rights & Humanitarianism International Development Urban Studies	Food, Agriculture & Society Human Rights & Humanitarianism International Development Urban Studies	Community & Global Health Food, Agriculture & Society Human Rights & Humanitarianism International Development	Food, Agriculture & Society International Development
Examples of Careers in Geography	Community Development Transportation Planner Housing Development	Int'l Development Practitioner Humanitarian Affairs Analyst Peace Corps Volunteer	Food Project Coordinator Organic Farming Specialist Public Health Analyst	Sustainable Development Leader Research Hydrologist City Environmental Planner
	Digital Cartographer, Environmental Engineer, Environmental Lawyer, Geography Professor, Geospatial Analyst, Historic Preservationist, International Intelligence Analyst, Journalist, Landscape Architect, Lobbyist, Marketing Analyst, Policy Analyst, Teacher, Urban Planner			



🏠 Course incorporates community engagement opportunities

## Geography Major Requirements

A **major in geography** consists of nine courses. The classes comprising the major will be selected in a manner that builds from the introductory classes to the advanced seminars and will include the following:

- One introductory course: GEOG 111 - Human Geography or GEOG 113 - World Regional Geography

Note: Students can earn credit equivalent to GEOG 111 or GEOG 113 by scoring a 4 or 5 on the Advanced Placement Exam in Human Geography. Students who do so are still required to take nine geography courses for the major.

- Two research methods courses: GEOG 225 - Intro to GIS and GEOG 378 - Statistical Research Methods
- One area studies course, which may be satisfied through one of the following:
  - A regional geography course in the department
  - An approved study abroad program
  - The student may petition to count a comprehensive area studies course in another department for regions not covered by the geography department

If the student fulfills the area studies requirement through a study abroad program or a non-geography course, they must still take nine geography courses for the major.

- Four intermediate courses – 200 or 300 level
- One research seminar course – 400 level

The senior capstone requirement in geography will be satisfied by completing one 400 level research seminar course. GEOG 377 - Qualitative Research Methods in Geography is strongly recommended for majors planning to attend graduate school.

## Geography Minor Requirements

A **minor in geography** may be achieved by completing five courses selected in consultation with a department faculty member. One of these five courses must be GEOG 111 - Human Geography or GEOG 113 - World Regional Geography.

A **minor in geography with an emphasis in GIS/Cartography** may be achieved by completing five courses, four of which must be in the Geography department:

- One required course - GEOG 225 - Intro to GIS
- Three GIS courses in Geography
- One GIS-related course in Geography or other disciplines