

# 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)	Geography, Environment, and Society: Global Issues and Local Patterns (GEOG 111) or Geography, Environment, and Society: Global Processes and World Regions (GEOG 113) or Geography, Environment, and Society: Engaging with the World Around Us (GEOG 115)			
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 methods 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 - Food, Ag & Environment 🏠 - Population 8 Billion - Sports Geography - Urban Ecology 🏠  300 - Development Geography - Health GIS	200 - Environmental Hazards - Earth and Environment - Geographies of Resilience - Migration & Identity - Neotropical Landscapes - Food, Ag & Environment 🏠 - Population 8 Billion - Urban Ecology 🏠  300 - Rural Landscapes 🏠
Advanced Methods Courses	Adv Remote Sensing, Adv Cartography & Geovisualization, Cultural Atlas 🏠, GIS & Community Partnerships 🏠, Health GIS, Qualitative Research Methods 🏠, Remote Sensing, Urban GIS 🏠, Advanced GIS: Capturing Personal Exposures Across Space and Time			
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)	Another World is Possible: The Political Economy of Urban Sustainability Comparative Environment & Development Global Urbanism Health Geography Seminar Migrants, Migration and the Global Landscape of Population Change Transportation Geography Seminar Our Changing Planet: A Seminar in Land-Change Science			
Cross-listed courses that complement Geography Pathways	Spatial Humanities	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			



# Geography Course Offerings - 2024-2025

## FA 2024

Instructor	Dept	Num	Sec	Title	Days	Time
Moseley	GEOG	113	1	Geography, Environment & Society: Global Processes and World Regions	MWF	8:30 - 9:30
Chang	GEOG	203	1	Urban Ecology	TR	1:20-2:50
McDonald	GEOG	225	1	Introduction to GIS	MWF	9:40-10:40
Nepp	GEOG	225	L1	Introduction to GIS Lab	W	12:00-1:30
Nepp	GEOG	225	L2	Introduction to GIS Lab	R	9:40-11:10
Moseley	GEOG	232	1	Food, Agriculture & the Environment	TR	3:00-4:30
Trudeau	GEOG	241	1	Urban Geography	MWF	3:30-4:30
Smith	GEOG	242	1	Regional Geography of the U.S. and Canada	MWF	10:50-11:50
Chang	GEOG	244	1	Geography of Asia	TR	9:40-11:10
Carter	GEOG	256	1	Health Geography	MWF	1:10-2:10
Carter	GEOG	258	1	Environmental Hazards FYC	MWF	10:50-11:50
Chang	GEOG	261	1	World Urbanization FYC	MWF	10:50-11:50
Trudeau	GEOG	277	1	Qualitative Research Methods in Geography	TR	3:00-4:30
Barcus	GEOG	294	1	Geographies of Resilience: Climate, Livelihoods & Adaptation	MWF	12:00-1:00
Staff	GEOG	294		Topics	MWF	9:40-10:40
Staff	GEOG	294		Topics	TR	9:40-11:10
Smith	GEOG	365	1	Urban GIS	TR	1:20-2:50
Staff	GEOG	394		Advanced Geospatial Techniques	MWF	2:20-3:20
Smith	GEOG	476	1	Transportation Geography Senior Seminar	W	7:00-10:00

## SP 2025

Instructor	Dept	Num	Sec	Title	Days	Time
Moseley	GEOG	113	1	Geography, Environment & Society: Global Processes and World Regions	MWF	8:30 - 9:30
Chang	GEOG	115	1	Geography, Environment & Society: Engaging with the World Around Us	TR	9:40-11:10
Barcus	GEOG	225	1	Introduction to GIS	MWF	9:40-10:40
Nepp	GEOG	225	L1	Introduction to GIS Lab	R	9:40-11:10
Nepp	GEOG	225	L2	Introduction to GIS Lab	R	1:20-2:50
Moseley	GEOG	243	1	Geography of Africa	TR	3-4:30
Trudeau	GEOG	248	1	Political Geography of Nations and Nationalism	MWF	3:30 - 4:30
Carter	GEOG	249	1	Environment and Society in Latin America	TR	1:20-2:50
Carter	GEOG	256	1	Health Geography	MWF	1:10-2:10 pm
Smith	GEOG	262	1	Metro Analysis	MWF	2:20-3:20
Carter	GEOG	294	1	Sports Geography	TR	8:00 - 9:30
Chang	GEOG	320	1	Asian Cities	MWF	1:10-2:10
Trudeau	GEOG	341	1	City Life	TR	3-4:30
Haro-Carrión	GEOG	362	1	Remote Sensing of the Environment	TR	9:40-11:10
Nepp	GEOG	370	1	Advanced Cartography and Geovisualization	MWF	1:10-2:10
Smith	GEOG	378	1	Statistical Research Methods in Geography	MWF	10:50-11:50
McDonald	GEOG	394	1	Adv GIS: Capturing Personal Exposures Across Space & Time	MWF	2:20-3:20
Haro-Carrión	GEOG	474	1	Our Changing Planet: A Seminar in Land Change Science	MWF	09:40-10:40
Barcus	GEOG	479	1	Migrants, Migration & the Global Landscape of Population Change: Seminar	MWF	12:00-1:00