



GEOGRAPHY 2021-2022

206 Morris Hall • (507) 389-2617

https://sbs.mnsu.edu/academics/geography

Select your major, minor and/or certificate using the Major Button at https://sbs.mnsu.edu/major-button. Students enrolling in 300-400 level courses must be admitted to the program. Please consult with a faculty member for advising and indicate your choice of advisor on the major selection website.

GEOGRAPHY MAJOR, STANDARD

Required Core Courses (8 credits)

Table with 4 columns: Course ID, Course Name, and Credits. Rows include GEOG 101 Intro to Physical Geography (4), GEOG 103 Intro to Cultural Geography (3), and GEOG 401 Colloquium (1).

Required Elective Courses (13-18 credits)

Choose ONE cultural-systematic course (3 credits):

Table with 4 columns: Course ID, Course Name, and Credits. Rows include GEOG 210W Landscapes and Places (3), GEOG 425 Economic Geography (3), GEOG 428 Human Migration (3), GEOG 435 Urban Geography (3), GEOG 436 Rural Geography (3), GEOG 437 Political Geography (3), and GEOG 438 Social Geography (3).

Choose ONE physical course (3-4 credits):

Table with 4 columns: Course ID, Course Name, and Credits. Rows include GEOG 217 Weather (4), GEOG 313 Natural Disasters (4), GEOG 315 Geomorphology (3), GEOG 410 Climatic Environments (3), GEOG 411 Soils Geomorphology (4), GEOG 412 Advanced Weather (4), GEOG 413 Soil Conservation (4), GEOG 414 Biogeography (3), GEOG 415 Earth Surface Processes (4), GEOG 416W Fluvial Geomorphology & Hydro. (4), GEOG 417 Quaternary Environ. & Climate Change (4), and GEOG 420 Conservation of Natural Resources (3).

Choose ONE regional course (3 credits)

Table with 4 columns: Course ID, Course Name, and Credits. Rows include GEOG 340 United States (3), GEOG 341 World Regional (3), GEOG 342 Geography of MN (3), GEOG 445 Latin America (3), GEOG 446 Canada (3), GEOG 450 Europe (3), and GEOG 458 Geography of East Asia (3).

Required Elective Courses (Continued)

Choose ONE capstone experience (1-4 credits)

Table with 4 columns: Course ID, Course Name, and Credits. Rows include GEOG 440 Field Studies (1-4), GEOG 480 Seminar (1-4), GEOG 491 Senior Paper (1-4), and GEOG 497 Internship (1-10).

Choose ONE techniques course (3-4 credits):

Table with 4 columns: Course ID, Course Name, and Credits. Rows include GEOG 105 Introduction to Geospatial Technologies (3), GEOG 352 GIS for Crime Analysis (3), GEOG 370 Cartographic Techniques (4), GEOG 373 Introduction to GIS (4), GEOG 439 Transportation Modeling & GIS (4), GEOG 471 Digital Field Mapping with GPS (4), GEOG 473 Intermediate GIS (4), GEOG 474 Introduction to Remote Sensing (4), GEOG 475 Open-Source GIS (4), GEOG 476 Spatial Statistics (3), GEOG 478 Spatial Analysis with GIS (3), GEOG 479 GIS Practicum (1-4), GEOG 481 GIS and Environmental Hazards (3), GEOG 482 GIS for Natural Resources (4), GEOG 483 Cloud Mapping & Visualization (4), GEOG 484 Web GIS (4), and GEOG 485 GIS Programming (4).

Major Unrestrictive Electives:

Total credits in major must equal or exceed 32. Take the number of credits needed to reach 32:

GEOG 200 – GEOG 499

Required for Bachelor of Arts (B.A.) Degree:

Language (8)

Required Minor: Yes. Any.

Information for the Geography Professional Major and the Geographic Information Science Certificate (GISc) is located on the reverse side with other important policies.

## **GEOGRAPHY MAJOR, PROFESSIONAL (48 credits)**

### **Required Core Courses (8 credits)**

Same as for standard major.

### **Required Elective Courses (13-18 Credits)**

Choose **ONE** cultural-systematic course:

Same as for standard major.

Choose **ONE** physical course:

Same as for standard major.

Choose **ONE** regional course:

Same as for standard major.

Choose **ONE** capstone experience:

Same as for standard major.

Choose **ONE** techniques course:

Same as for standard major.

### **Major Unrestricted Electives (choose 22 – 27 credits)**

Total credits in major must equal or exceed 48. Take the number of credits needed to reach 48:

GEOG 200 – 499

Up to 6 elective credits may be taken outside Geography with departmental permission for the Professional Major.

**Required Minor:** None.

### **GPA and Grading Policies for all majors:**

**GPA Policy.** Refer to the University's Academic Standing for Undergraduate Students policy at:

<https://www.mnsu.edu/atoz/policies/finalacademicstanding2019.pdf>

Contact the College of Social Behavioral Sciences Advising Center regarding required advising for students on academic probation.

**Pass/No Credit Policy.** P/N grading will be accepted in the major only for GEOG 401 Colloquium, GEOG 497 Internship, and GEOG 409 Selected Topics at instructor discretion. All other courses must be taken for letter grades. All courses for the minor must be taken for letter grades.

The information listed above comes from the University Catalog. For any discrepancies, refer to the Catalog content at <https://sbs.mnsu.edu/academics/geography/undergraduate/>.

## **GEOGRAPHIC INFORMATION SCIENCE CERTIFICATE (GISc) (19 credits)**

\*Graduate option is offered: see department for details

### **Required Core courses (12 credits)**

GEOG	373	Introduction to GIS	(4)
GEOG	473	Intermediate GIS	(4)
GEOG	474	Introduction to Remote Sensing	(4)

### **Required Elective Courses (7 credits)**

Choose **TWO** courses:

GEOG	439	Transportation Modeling & GIS	(4)
GEOG	471	Digital Field Mapping with GPS	(4)
GEOG	475	Open-Source GIS	(4)
GEOG	476	Spatial Statistics	(3)
GEOG	478	Spatial Analysis with GIS	(3)
GEOG	479	GIS Practicum	(1-4)
GEOG	481	GIS and Environmental Hazards	(3)
GEOG	482	GIS for Natural Resources	(4)
GEOG	483	Cloud Mapping & Visualization	(4)
GEOG	484	Web GIS	(4)
GEOG	485	GIS Programming	(4)