

# Integrated Baccalaureate and Master's Degree in Meteorology (BS) and Geography (MA)



The integrated degree program in Geography provides an opportunity for undergraduate meteorology majors to complete a Bachelor of Science degree in Meteorology and a Master of Arts degree in Geography in five years. In addition to earning both degrees in an accelerated timeframe, the integrated program includes additional opportunities to participate in a variety of experiential education activities such as a master's thesis, applied project or professional plan.

## Admission Requirements

- The applicant should apply to the Western Illinois University School of Graduate Studies for admission to an integrated program in Geography.
- The applicant must have a minimum cumulative GPA of 3.25 and a major GPA of 3.25, or a minimum cumulative GPA of 3.0 with a minimum 3.3 GPA in the last 30 SH taken at WIU.
- The applicant should provide a personal statement of purpose and request three letters of recommendation if applying for graduate assistantship.
- The GRE is highly recommended if applying for a graduate assistantship, otherwise it is not required.
- Official transcripts will be obtained from the applicant's WIU record by the School of Graduate Studies.

## Degree Requirements

The integrated degree program offers three degree options: (1) thesis, (2) applied project, or (3) professional plan. The thesis option (3 SH) seeks to answer a question relevant to an area of geographic inquiry. The applied project option (3 SH) is intended for students whose career aspirations are best served by gaining practical experience in the design and solution of a geographical or planning problem and presentation of the results. Both options require a research proposal to be presented and the completed thesis/applied project to be defended to faculty and students. The professional plan requires students to complete an internship (3 SH) and extended courses. The minimum required hours are 32 to 35 SH.

- The thesis option consists of 3 SH of thesis research (GEOG 698) and 20 SH of directed electives.
- The applied project consists of 3 SH of practical experience (GEOG 697) and 20 SH of directed electives.
- The professional plan consists of 3 SH of internship (GEOG 596 or 597) and 23 SH of directed electives.

Undergraduate students will be required to complete 120 SH of coursework. As part of the integrated master's degree program, students may take up to 9 SH as "bridge" courses, which count toward both the bachelor's and master's degrees. A student must be a senior and accepted into the integrated program before taking bridge courses.

## Career Opportunities

There are a wide variety of career paths that our graduates choose to pursue. Some include:

- Earth Scientist
- Emergency Management
- Environmental Conservation
- Meteorologist
- Hydrologist
- Climatologist
- Forensic Meteorologist
- Weather Forecaster
- Wind Analyst
- Meteorological Data Analyst
- Aviation Meteorologist
- Consulting Meteorologist
- Utility/Construction Company Meteorologist
- Broadcast Meteorologist
- Science Reporter
- Weather Risk Analyst
- Damage Assessor

## Contact Information

**Questions about the program:**  
Department of Geography,  
Geographic Information Science  
and Meteorology  
Graduate Coordinator  
(309) 298-1648  
geography@wiu.edu  
wiu.edu/cas/geography

**General admission questions:**  
School of Graduate Studies  
(309) 298-1806 or (877) WIU GRAD  
Grad-Office@wiu.edu  
wiu.edu/grad

*Higher Values in  
Higher Education*

Academic Excellence  
Educational Opportunity  
Personal Growth  
Social Responsibility



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## Integrated Degree Course Requirements

Students must complete a minimum of 120 SH of credits to meet the Bachelor of Science degree requirements, including the following:

**University General Education Requirements** ..... 55 SH

**Undergraduate Core Courses** ..... 29 SH

GEOG 301, 405†, METR 120, 322, 327, 329, 422, 429, 432

**I. Directed Electives** ..... 13 SH

Choose four of the following: GEOG 430, 497, 499, METR 220, 333, 337, 425, MATH 333, PHYS 212

**II. Other Required Courses** ..... 7-8 SH

MATH 231 AND Choose one: ACCT 201, AGRN 278, CHEM 201, CS 114#, GEOG 403, GEOL 115, 380, PHYS 354

**III. Any Minor** ..... 16-24 SH

Graduate Core Courses ..... 9 SH

GEOG 505 Research Methods I ..... 3 SH

GEOG 605 Research Methods II ..... 3 SH

One graduate seminar (GEOG 610, 630, 650) ..... 3 SH

Select one of the following exit options ..... 23-26 SH

### A. Thesis

GEOG 698 Thesis ..... 3 SH

Directed Electives (includes up to 9 SH of bridge courses) ..... 20 SH

### B. Applied Project

GEOG 697 Applied Project ..... 3 SH

Directed Electives (includes up to 9 SH of bridge courses) ..... 20 SH

### C. Professional Plan

Internship (GEOG 596 or 597) ..... 3 SH

Directed Electives (includes up to 9 SH of bridge courses) ..... 23 SH

**Total Program** ..... 32-35 SH

Up to 9 SH of the following bridge undergraduate/graduate courses can be counted toward the 32-35 SH requirements: GEOG 403G Advanced Remote Sensing (3), GEOG 406G Spatial Statistics in GIS (3), GEOG 408G Environmental Geographic Information Science (3), GEOG 409G Thematic Geographic Information Science (3), GEOG 425G Satellite and Radar Meteorology (3), GEOG 426G (cross-listed with BIOL 426G) Conservation and Management of Natural Resources (3), GEOG 443G Population Geography (3), GEOG 445G Urban Geography (3), GEOG 459G (cross-listed with BIOL 459G) Biogeography (3), GEOG 466G World Regions (Africa-cross-listed with AAS 466G) (3).

