



DEPARTMENT OF
HIGHER EDUCATION &
WORKFORCE DEVELOPMENT

New Program Report

Date Submitted:

12/07/2023

Institution

Northwest Missouri State University

Site Information

Implementation Date:

8/1/2024 12:00:00 AM

Added Site(s):

Selected Site(s):

Northwest Missouri State University, 800 University Drive, Maryville, MO, 64468-6001

CIP Information

CIP Code:

450701

CIP Description:

A program that focuses on the systematic study of the spatial distribution and interrelationships of people, natural resources, plant and animal life. Includes instruction in historical and political geography, cultural geography, economic and physical geography, regional science, cartographic methods, remote sensing, spatial analysis, and applications to areas such as land-use planning, development studies, and analyses of specific countries, regions, and resources.

CIP Program Title:

Geography

Institution Program Title:

Geographic Information Science

Degree Level/Type

Degree Level:

Bachelor's Degree

Degree Type:

Bachelor of Science

Options Added:

Collaborative Program:

N

Mode of Delivery

Current Mode of Delivery

Classroom

Student Preparation

Special Admissions Procedure or Student Qualifications required:

N/A



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Specific Population Characteristics to be served:

n/a

Faculty Characteristics

Special Requirements for Assignment of Teaching for this Degree/Certificate:

Same requirements as our current HLC highly qualified faculty standards require.

Estimate Percentage of Credit Hours that will be assigned to full time faculty:

100

Expectations for professional activities, special student contact, teaching/learning innovation:

Same as existing GIS programming at Northwest.

Student Enrollment Projections Year One-Five

Year 1	Full Time: 10	Part Time: 1	
Year 2	Full Time: 12	Part Time: 2	
Year 3	Full Time: 15	Part Time: 2	Number of Graduates: 5
Year 4	Full Time: 17	Part Time: 1	
Year 5	Full Time: 20	Part Time: 1	Number of Graduates: 10

Percentage Statement:

n/a

Program Accreditation

Institutional Plans for Accreditation:

No accreditation available for this program.

Program Structure

Total Credits:

120

Residency Requirements:

n/a

General Education Total Credits:

42

Major Requirements Total Credits:

39

Course(s) Added

COURSE NUMBER	CREDITS	COURSE TITLE
see	0	attached

Free Elective Credits:

0

Internship or other Capstone Experience:

Students will complete a capstone course that will allow them to demonstrate knowledge of their programmatic knowledge.



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Assurances

I certify that the program is clearly within the institution's CBHE-approved mission. The proposed new program must be consistent with the institutional mission, as well as the principal planning priorities of the public institution, as set forth in the public institution's approved plan or plan update.

I certify that the program will be offered within the proposing institution's main campus or CBHE-approved off-site location.

I certify that the program will not unnecessarily duplicate an existing program of another Missouri institution in accordance with 6 CSR 10-4.010, subsection (9)(C) Submission of Academic Information, Data and New Programs.

I certify that the program will build upon existing programs and faculty expertise.

I certify that the program can be launched with minimal expense and falls within the institution's current operating budget.

I certify that the institution has conducted research on the feasibility of the proposal and it is likely the program will be successful. Institutions' decision to implement a program shall be based upon demand and/or need for the program in terms of meeting present and future needs of the locale, state, and nation based upon societal needs, and/or student needs.

Contact Information

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JOHNSON

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BS Geographic Information Science – Minor Required
CIP: 45.0701

The Northwest Core (44-47 Hours)

Institutional Requirements (4 Hours)

Geography Fundamentals (18 Hours)

GEOG - 32101 - Introduction to Geography - 3 credits
GEOG - 32102 - People and Cultures of the World - 3 credits
GEOG - 32201 - Maps and Spatial Reasoning - 3 credits
GEOG - 32221 - Economic Globalization - 3 credits
GEOG - 32365 - Geographic Information Systems - 3 credits
GEOG - 32410 - Geographic Approaches to Research - 3 credits

GIS Emphasis Requirements (15 Hours)

MATH - 17114 - General Statistics - 3 credits
GEOG - 32362 - Web Mapping - 3 credits
GEOG - 32364 - Image Interpretation and Analysis - 3 credits
GEOG - 32463 - Remote Sensing - 3 credits
GEOG - 32455 - Applied Geospatial Data Analytics - 3 credits

GIS Emphasis Electives (6 Hours from the following)

GEOG - 32462 - Digital Cartography and Geovisualization - 3 credits
GEOG - 32465 - Introduction to Customized GIS - 3 credits
GEOG - 32565 - Advanced Geographic Information Systems - 3 credits
CSIS - 44141 - Computer Programming I - 3 credits

Minor or Free Electives (30 Hours)