

GEOGRAPHIC INFORMATION SCIENCE, CERTIFICATE

To access Certificate Requirements, please view the Curriculum Guide tab.

The certificate is specifically designed to provide specialized skills to individuals who currently work with spatial data in their chosen field or would like to leverage geospatial data in future employment. The curriculum is designed to support the increasing importance of geospatial data and analysis across diverse disciplines including geography, biological and environmental sciences, business and logistics, resource management and geosciences, planning and conservation.

The curriculum consists of twelve credits that can be completed in two semesters of coursework. The scope of coursework is designed to support individuals already familiar with basic computer concepts and descriptive statistics principles.

Related Links

Geographic Information Science, Certificate Program Page (<https://www.sru.edu/academics/certificates/geographic-information-science-certificate/>)

Geography, Geology, and the Environment Department Page (<https://www.sru.edu/academics/colleges-and-departments/ches/departments/geography-geology-and-the-environment/>)

Professional Licensure/Certification Page (<https://www.sru.edu/students/student-consumer-information/professional-licensures/>)

Curriculum Guide

GPA Requirement

Certificate GPA: 2.0 or higher

Certificate Requirements

Code	Title	Hours
Required Courses		
CPSC 130	Introduction to Computing and Programming	3
GES 315	Cartography I	3
GES 325	Introduction to Geographic Information Science	3
Select 2 classes from the following:		6
GES 410	Remote Sensing	
GES 415	Cartography II	
GES 425	Advanced Geographic Information Systems	
GES 426	Environmental Modeling	
Total Hours		15

* Some courses may require pre-requisites. Please see course descriptions to determine if there are any pre-requisites for that specific course.

Important Curriculum Guide Notes

This Curriculum Guide is provided to help SRU students and prospective students better understand their intended major curriculum. Enrolled

SRU students should note that the My Rock Audit may place already-earned and/or in progress courses in different, yet valid, curriculum categories. Enrolled SRU students should use the My Rock Audit Report and materials and information provided by their faculty advisers to ensure accurate progress towards degree completion. *The information on this guide is current as of the date listed. Students are responsible for curriculum requirements at the time of enrollment at the University.*

PASSHE - Pennsylvania State System of Higher Education Institutions

CERTIFICATE IN GEOGRAPHIC INFORMATION SCIENCE (6130)

This program is effective as of Summer 2018.

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