

## EARTH & ENVIRONMENT

Your Pathway

# GEOGRAPHIC INFORMATION SYSTEMS

Associate in Science Degree

This degree will provide you with skills, knowledge, and experience in the application of Geographic Information Systems (GIS). You will learn about the application of GIS in geography, earth and social sciences, natural resources, and engineering. You will be able to use maps, read geographic data, and you will also develop skills in map creation.

### *Suggested Sequence of Classes*

#### **FALL SEMESTER – FIRST YEAR 17 units**

ENGL 1A College Composition 4 units  
 MATH 14 Introduction to Statistics 4 units  
 GEOG 5 Digital Planet: GIS and Society 3 units  
 GEOG 9 Map and Geospatial Principles 3 units  
 HUM 4 Humanities Through the Film 3 units

#### **SPRING SEMESTER – FIRST YEAR 14 units**

CMST 60 Public Speaking 3 units  
 ENGL 1C Critical Thinking 3 units  
 GEOG 10 Introduction to Geographic Information Systems 3 units  
 GEOG 1A Physical Geography 3 units  
 GEOG 1AL Physical Geography Lab 1 unit  
 GEOG 2A Field Studies in Physical Geography 1 unit

#### **FALL SEMESTER – SECOND YEAR 14 units**

ETHS 1 Introduction to Ethnic Studies 3 units  
 GEOG 8 World Regional Geography 3 units  
 GEOG 12 GIS Data Design and Capture 3 units  
 CIS 2 Introduction to Computer Science 4 units  
 GEOG 2B Field Studies in Physical Geography 1 unit

#### **SPRING SEMESTER – SECOND YEAR 15 units**

CIS 24 Database Design 3 units  
 GEOG 13 GIS Spatial Analysis 3 units  
 GEOG 14 GIS Cartography and Visualization 3 units  
 GEOG 15 Introduction to Remote Sensing 3 units  
 GEOG 94 GIS Worksite Learning 3 units

### **POTENTIAL CAREERS**

GIS Specialist  
 Facilities Planner  
 Aerial Lineman  
 Environmental Planner

### **SALARY POTENTIAL**

**\$96,400 per year**

*(source: indeed.com)*



*Please meet with a counselor to customize your own educational plan, explore course options, and consider department and counseling faculty recommendations.*



**Shasta College**  
[www.shastacollege.edu](http://www.shastacollege.edu)

Shasta College is an equal opportunity educator and employer.



**Counseling**  
 (530) 242-7724