



South Central College

## GIS 2844 GIS Internship

### Course Outcome Summary

#### Course Information

**Description** This variable credit course is one of the capstones of the Geographic Information Systems certificate program, where upon the students are provided a real world working atmosphere with area partners, such as state, county, and local governments, and consulting agencies. Students in this course work on assignments as requested by the governing agency and will be directed by the course instructor. (Prerequisite: GIS 2841 or consent of the instructor)

#### Types of Instruction

##### Instruction Type

Internship

##### Credits/Hours

1-4/48-192

#### Pre/Corequisites

GIS 2841 Intermediate GIS or Consent of the instructor

#### Institutional Core Competencies

Civic Engagement and Social Responsibility - Students will be able to demonstrate the ability to engage in the social responsibilities expected of a community member.

Critical and Creative Thinking - Students will be able to demonstrate purposeful thinking with the goal of using a creative process for developing and building upon ideas and/or the goal of using a critical process for the analyzing and evaluating of ideas.

#### Course Competencies

##### 1. Describe the role of GIS in a workplace

###### Learning Objectives

Identify how GIS is used in various work departments

Determine scope of GIS project needs

Observe GIS workflow in an organization

Recognize the components of an organization with varying resources

##### 2. Demonstrate proficiency loading and configuring GIS software and R n taH. Chrob



Adhere to accuracy guidelines  
Document changes to data  
Provide acknowledgement to data owned by others  
Review industry data practice guidelines

**12. Practice industry data storage standards**

**Learning Objectives**

Develop a database storage system  
Assign and manage user rights  
Develop metadata for data sets  
Document data collection and manipulation information

**13. Research data requirement needs**

**Learning Objectives**

Research project requirements  
Determine project requirements  
Identify data needs  
Verify data needs with end user

**14. Establish safe work habits**

**Learning Objectives**

Develop safe data collection practices  
Identify potential field hazards  
Identify safety equipment needed during data collection  
Review industry safety standards

**15. Identify end user requirements**

**Learning Objectives**

Develop data for use in GIS  
Develop data for use in CAD  
Provide efficient accessibility to data  
Research end user requirements

**16. Practice determining project requirements**

**Learning Objectives**