Undergraduate programs

**BS IN GEOSPATIAL INFORMATION SCIENCE**
For students with a strong background in mathematics interested in GIS careers that emphasize analytical skills.

**BS IN GEOGRAPHY PLUS CERTIFICATE IN GIS**
For students interested in GIS careers within focus areas such as resource management or urban planning.

Searching for a career?

Do you...
- Love maps?
- Enjoy problem solving?
- Like working with computers?

Are you...
- Looking for a rapidly growing career field?
- Hoping to find a challenging work environment?

What do GSci specialists do?
Geospatial specialists use spatial data for problem solving that can’t be done with traditional maps and charts. For example, a geospatial analyst may combine land cover data collected by a satellite with property boundaries collected using a GPS receiver.
Geospatial Information Science

CAREERS

Geospatial Scientist
GISci Analyst
GISci Applications Developer
Remote Sensing Specialist

Organizations that employ GISci grads

INTELLIGENCE
• National Geospatial Intelligence Agency
• Federal Bureau of Investigation

NASA RESOURCE MANAGEMENT
• U.S. National Park Service
• U.S. Forest Service
• Natural Resource Conservation Agency
• U.S. Fish and Wildlife Service
• U.S. Geological Service
• Oklahoma Dept. of Environmental Quality

OIL AND GAS EXPLORATION AND RECOVERY
• Chesapeake Energy
• Devon Energy

TRANSPORTATION
• U.S. Department of Transportation
• Oklahoma Department of Transportation
• Federal Aviation Administration

HEALTH AND SAFETY
• National Weather Service
• Center for Disease Control
• Federal Emergency Management Agency

SITE LOCATION ANALYSIS/PLANNING
• Lockheed Martin Corporation
• Walmart
• BAE Systems
• City of Tulsa

Specialized GISci Coursework

GEOG 4943 GIS Internship
GEOG 4383 GIS Programming
GEOG 4353 GIS: Socioeconomic Applications
GEOG 4343 GIS: Resource Management Applications
GEOG 4333 Remote Sensing
GEOG 4323 Mapping in Modern Society
GEOG 4313 Field Techniques in Geodata Collection
GEOG 4303 Applications of GPS in Field Research
GEOG 4203 Fundamentals of GIS
GEOG 3333 Spatial Analysis
GEOG 2344 Digital Tools for Environmental Exploration

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