



GIST: GEOSPATIAL INFORMATION SCIENCE & TECHNOLOGY



GIST: Geospatial Information Science & Technology

Geospatial Information Science and Technology (GIST) harnesses the power of satellite imagery, 3D mapping, and computer science to collect data and analyze features on the Earth's surface. Geospatial mapping is used in industries ranging from oil field development and resource exploration to monitoring and improving wildlife habitat.

Study to be a technician in this exciting field and gain skills transferable to a wide range of career opportunities such as planning urban growth, designing roads, managing forests, exploring natural resources, mapping natural disasters, real estate site selection, and much more! Be equipped with the scientific and analytical background required to work with high-tech mapping technologies to assess real-world problems and provide solutions.

Degree/Certificate

- Associate of Science
- Certificates

Learn Skills

- Microcomputer Applications
- Cartography
- Geographic Information Systems
- GIS Database
- Remote Sensing
- Programming
- Fieldwork

Non-Discrimination Statement

Consistent with its mission to value diversity and to treat all individuals with dignity and respect, Central Wyoming College does not discriminate on the basis of race, color, religion, sex (including pregnancy, sexual orientations, marital status, or gender identity), national origin, age, disability (mental and/or physical), veteran status, or genetic information in admission, or access to, or treatment, or employment in its educational program services or any other activities. The college makes reasonable accommodations to serve students with special needs and offers services to students who have the ability to benefit. Inquiries concerning:

- Title VII and Title IX may be referred to Jennifer Appleby, Director of Human Resources, Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2112

- Section 504 of the Rehabilitation Act may be referred to: Nicole Schoening, CWC Counselor and Disability Services Coordinator, Central Wyoming College, 2660 Peck Avenue, Riverton, WY 82501 (307) 855-2011. Inquiries may also be sent to the Office of Civil Rights for Wyoming at Denver Office, Office of Civil Rights, U.S. Department of Education, Federal Building, 1244 Speer Blvd, Suite 310, Denver, CO 80204-3582, 303-844-5695, Fax 303-844-4303, TDD 303-844-3417, email OCR_Denver@ed.gov.



Snapshot

- Learn contemporary skills in Uncrewed Aerial Vehicles (UAV's aka DRONES)
- Apply state-of-the-art GIS/GPS technology
- Gain field experience through partnerships with local government, state, and federal agencies
- Apply coursework to fields of anthropology, expedition science, outdoor education, and outdoor recreation

Pathways to...

- Workforce careers in GIST
- Transfer to a four-year college or university
- Careers in:
 - Natural Resources
 - Archaeology
 - Government
 - Public Safety
 - Mapping and Utility Companies
 - Urban Planning
 - Tech & Software Development
 - Resource Extraction
 - Health and Human Services
 - Criminal Justice



To view our faculty, visit
www.cwc.edu/faculty



To learn more about the program, visit
www.cwc.edu/outdoorandenvironment/gist



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