

Geographical Information Systems

Geographical Information Systems (GIS) Qualified Federal Financial Aid Program

Course	Title	Credits
BTE 100	Computer Keyboarding	1
CIS 118	Intro PC Applications	3
CIS 128	Windows Complete	3
CIS 145	Complete PC Database: Access	3
CIS 240	Database Design and Development	3
CIS 287	Cooperative Education	1
CNG 105	Internet Technologies	3
ENG 113	Business English	3
GIS 101	Intro to Geographic Info Systems	3
GIS 110	Introduction to Cartography	3
GIS 210	Intermediate GIS	3
GIS 211	Spatial Data Modeling and Analysis	4
Total Program Credits		33

Estimated Program Cost **\$3,028.00**

Additional material and book fees may apply. Please see advisor for exact costs.

Estimated Completion Time **8 months**

Geographical Information Skills

Course	Title	Credits
CIS 145	Complete PC Database: Access	3
GIS 101	Intro to Geographic Info Systems	3
GIS 110	Introduction to Cartography	3
GIS 210	Intermediate GIS	3
GIS 211	Spatial Data Modeling and Analysis	4
Total Program Credits		16

Estimated Program Cost **\$1,456.00**

Additional material and book fees may apply. Please see advisor for exact costs.

Estimated Completion Time **8 months**



- Analyze spatial data within a GIS environment in government agencies, non-profit organizations, or businesses
- Maintain and manage a GIS laboratory
- Collect and input data into a GIS
- Create symbolized maps, tables, and graphs from a GIS
- Research changing wildlife habitat in national parks
- Model hurricane evacuation scenarios in a coastal city
- View global vegetation coverage from satellite
- Plan school bus routes based on student residences
- Study water consumption patterns in arid areas
- Design noise abatement buffer zones around airports
- Identify telephone market territories across the country



• Opportunities For All Who Wish To Learn •

Register Today!

By Telephone
In Person

720-423-4702

2nd Floor Registration Desk
1250 Welton St., Denver

Online

EmilyGriffith.edu

Geographical Information Systems Job Information

RELATED JOB TITLES

GIS Analyst
GIS Specialist
Analyst/Engineer
Applications Developer
Business/Real Estate
CAD Analyst
Cartographer
Educator
Forester
Geographer
Geologist
Hydrologist
Information Services Administrator
Photogrammetry
Programmer/Analyst
Remote Sensing
Researcher
Resource Management
Sales & Marketing
Software Developer
Systems Administrator
Technical Support/Technician
Technical Writer
Transportation Planner
Urban Planner

Estimated Salaries

(Based on Colorado Dept. of Labor Occupational Outlook Handbook)

<u>Job Titles</u>	<u>Hourly Pay</u>	<u>Annual Salary</u>
<i>GIS Specialist</i>		
Entry Level	\$22.50	\$46,800
Experienced	\$38.27	\$79,600

POTENTIAL EMPLOYERS

The following industries hire employees with GIS skills:

Business - Banking & Insurance, Media, Real Estate, Retail and Commercial Business
Communications - Location-Based Services, Telecommunication
Defense - Defense and Intelligence
Educators - Universities and Community Colleges, K-12, Primary, Middle, and Secondary, Libraries and Museums
Engineering - Civil Engineering, Surveying
Government - Federal, State, and Local, Health and Human Services
Homeland Security, Law Enforcement and Criminal Justice, Public Safety, Sustainable Development & Humanitarian Affairs, Urban and Regional Planning
Natural Resource Industries - Transportation, Transportation Systems and Networks, Logistics and Fleet Management
Utilities - Electric, Gas, Water/Wastewater

ADVISING

Contact Chris Millius at Chris_Millius@dpsk12.org or call Lydia Melvin at 720-423-4712 for an appointment.

FINANCIAL AID

Available through the Financial Aid Office.

Call 720-423-4744 for information regarding the types of aid available for this course/program.

Americans with Disabilities Act and EGTC Compliance

The Americans with Disabilities Act prohibits discrimination based on disability in admission to, access to and the operation of programs, services or activities at EGTC. The college is committed to providing an environment where students have the opportunity to attain their educational goals. EGTC provides both physical and programmatic access for all students. Reasonable accommodations will be made in instructional delivery and evaluation methods to ensure full educational opportunities for students. Appropriate documentation of a student's disability is required.

Questions, complaints and requests for additional information may be directed to Eileen Ashford, Special Needs Advisor, 720-423-4742 or email at Eileen_Ashford@dpsk12.org.

To learn more about how to request an accommodation and our special services, please refer to our 2011-2012 catalog, Advising and Counseling on page 8 or go to our website, www.emilygriffith.edu.