

Course Number and Title: GIS 271 GIS Internship

Campus Location:

Stanton

Effective Date:

2022-51

Prerequisite:

GIS 110, GIS 120

Co-Requisites:

None

Course Credits and Hours:

2.00 credits

0.00 lecture hours/week

7.00 lab hours/week

Course Description:

This course provides an internship work experience to expose students to procedural, professional, and ethical issues faced by a geospatial technician on the job.

Required Text(s):

Obtain current textbook information by viewing the [campus bookstore - https://www.dtcc.edu/bookstores](https://www.dtcc.edu/bookstores) online or visit a campus bookstore. Check your course schedule for the course number and section.

Additional Materials:

This course requires the use of a windows computer capable of running ESRI ArcMap and ESRI ArcGIS Pro Software. Please review ESRI's website to learn more about the system requirements for ESRI ArcMap and ESRI ArcGIS Pro

Schedule Type:

Classroom Course

Disclaimer:

None

Core Course Performance Objectives (CCPOs):

1. Apply knowledge and skills previously learned in the classroom in a geospatial work experience. (CCC 2, 3, 4, 5, 6; PGC 1, 2, 3, 5, 7, 8)
2. Practice appropriate individual work habits. (CCC 3, 4; PGC 7)
3. Evaluate the internship and the placement organization. (CCC 1, 2, 3, 4, 6; PGC 1, 2, 3, 5, 7, 8)
4. Demonstrate professional and ethical conduct as expected in industry. (CCC 1, 3, 4; PGC 1, 2, 3, 5, 7, 8)

See Core Curriculum Competencies and Program Graduate Competencies at the end of the syllabus. CCPOs are linked to every competency they develop.

Measurable Performance Objectives (MPOs):

Upon completion of this course, the student will:

1. Apply knowledge and skills previously learned in the classroom in a geospatial work experience.
 1. Set goals to be accomplished during the work experience.
 2. Demonstrate previously learned competencies at an introductory level.
 3. Use software and equipment necessary to perform all assigned tasks.
 4. Collect and/or create data.
 5. Create meaningful maps to solve geospatial problems.
 6. Assist supervisor/mentor with assigned tasks.
2. Practice appropriate individual work habits.
 1. Demonstrate awareness of an employer's specific expectations.
 2. Follow employer's rules for proper attire.
 3. Exhibit punctuality and dependability.
3. Evaluate the internship and the placement organization.
 1. Describe assigned tasks, accomplishments, and issues.
 2. Evaluate personal strengths and weaknesses.
 3. Evaluate career options, and explain the educational requirements for various GIS career paths.
4. Demonstrate professional and ethical conduct as expected in industry.
 1. Identify the need for self-discipline and time management in technical industries.
 2. Communicate and function effectively as a member of a team.
 3. Apply professional and ethical responsibilities under the GIS Certification Institute's Code of Ethics and Rules of Conduct.

Evaluation Criteria/Policies:

The grade will be determined using the Delaware Tech grading system:

90	-	100	=	A
80	-	89	=	B
70	-	79	=	C
0	-	69	=	F

Students should refer to the [Student Handbook - https://www.dtcc.edu/handbook](https://www.dtcc.edu/handbook) for information on the Academic Standing Policy, the Academic Integrity Policy, Student Rights and Responsibilities, and other policies relevant to their academic progress.

Final Course Grade:

Calculated using the following weighted average

Evaluation Measure	Percentage of final grade
Summative: Instructor/Employer Evaluation	30%
Summative: Final Presentation/Poster Presentation	30%
Formative: Project Milestone Check-ins	40%
TOTAL	100%

Core Curriculum Competencies (CCCs are the competencies every graduate will develop):

1. Apply clear and effective communication skills.
2. Use critical thinking to solve problems.
3. Collaborate to achieve a common goal.
4. Demonstrate professional and ethical conduct.
5. Use information literacy for effective vocational and/or academic research.
6. Apply quantitative reasoning and/or scientific inquiry to solve practical problems.

Program Graduate Competencies (PGCs are the competencies every graduate will develop specific to his or her major):

1. Apply knowledge, techniques and skills of geography and geospatial technologies such as geographic information systems (GIS), Global Navigation Satellite System (GNSS), and remote sensing (RS).
2. Employ cartographic design principles to develop effective visual representations of geospatial data, including maps, graphs and diagrams.
3. Design and implement GIS systems using common geospatial software and hardware to acquire, store, manage, analyze and visualize spatial data for a variety of disciplines.
4. Utilize geospatial techniques and common analytical methods to solve problems.
5. Evaluate and employ effective data management and database design techniques.
6. Apply fundamental concepts of programming, application development, geospatial information technology and related technologies.
7. Integrate a commitment to address professional and ethical responsibilities, including a respect for accuracy standards and diversity.
8. Recognize the need for and an ability to engage in self-directed continuing professional development.

Disabilities Support Statement:

The College is committed to providing reasonable accommodations for students with disabilities. Students are encouraged to schedule an appointment with the campus Disabilities Support Counselor to request an accommodation needed due to a disability. A listing of campus Disabilities Support Counselors and contact information can be found at the [disabilities services - https://www.dtcc.edu/disabilitysupport](https://www.dtcc.edu/disabilitysupport) web page or visit the campus Advising Center.