

Awards

Associate Degree: Geomatics Technology (A40420)
Length of Program: 5 Semesters
Prerequisite: High School Diploma, Placement Test Equivalent

Diploma: Not Applicable
Length of Program:
Prerequisite:

Certificate: Not Applicable
Length of Program:
Prerequisite:

Other Important Information

Application Deadlines: The program is designed for a student to enter during the fall semester. A student may enter at other times with approval of the Department Chairperson.

Scholarship/Title IV Financial Aid/VA Services: Scholarships/Title IV Financial Aid/Veteran's assistance may be available for associate degrees. Certificates and diplomas that fall under this program/area of study **may or may not be eligible** for Scholarship/Title IV Financial Aid/VA Services. Please contact the Financial Aid Office, Student Center, Room 2; Telephone (910) 678-8242. Veterans Services, General Classroom Building, Room 202, (910) 678-8580.

Program Information Contact

Curriculum Chairperson

Cathy Christianson
(910) 678-8249

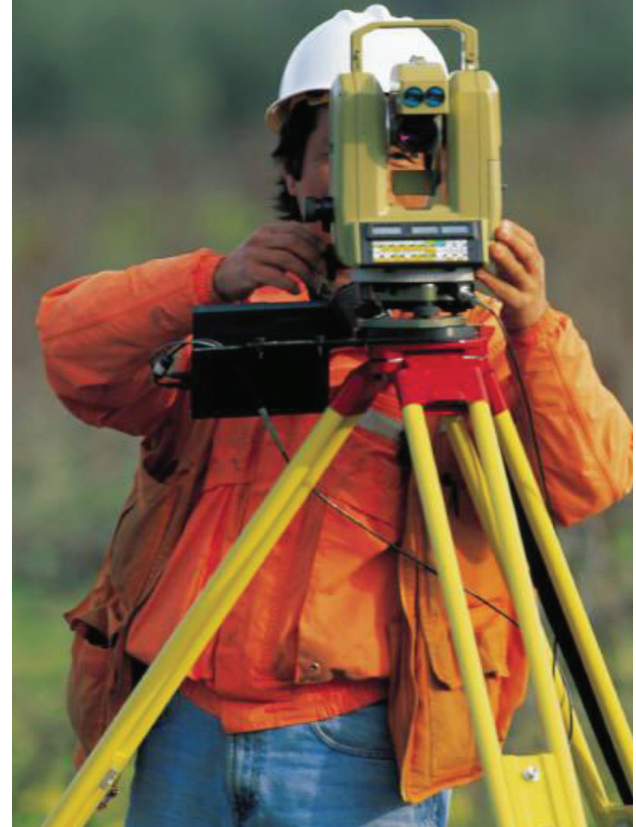
Advanced Technology Center, Room 244D
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FTCC

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GEOMATICS TECHNOLOGY



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Community College*

910-678-8400
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Fayetteville, NC 28303

PROGRAM FACT SHEET GEOMATICS TECHNOLOGY (A40420)



A course of study that prepares students to use mathematical and scientific principles for the delineation, determination, planning and positioning of land tracts, boundaries, contours and features applying principles of route surveying, construction surveying, photogrammetry, mapping, global positioning systems, geographical information systems, and other kinds of property description and measurement to create related maps, charts and reports.

Includes instruction in applied geodesy, computer graphics, photointerpretation, instrument calibration, and basic cartography mensuration, traversing, survey equipment operation and maintenance, instrument calibration and basic cartography.



Graduates should qualify for jobs as survey party chief, instrument person, surveying technician, highway surveyor, mapper, GPS technician, and CAD operator. Graduates will be prepared to pursue the requirements necessary to become a Registered Land Surveyor in North Carolina.



FAYETTEVILLE TECHNICAL COMMUNITY COLLEGE GEOMATICS TECHNOLOGY (A40420)

Effective: Fall 2025

Revised: 02/21/25

Length: 5 Semesters

Prerequisite: High School Diploma, Placement Test Equivalent

Award: Associate in Applied Science

FALL SEMESTER 1

Prefix	No.	Title	Class	Lab	Clinical	Credit
CEG	151	CAD for Engineering Tech	2	3	0	3
ENG	111	Writing and Inquiry	3	0	0	3
MAT	171	Precalculus Algebra	3	2	0	4
PSY	150	General Psychology	3	0	0	3
SRV	110	Surveying I	2	6	0	4
TOTALS			13	11	0	17

SPRING SEMESTER 1

Prefix	No.	Title	Class	Lab	Clinical	Credit
CEG	111	Intro to GIS and GNSS	2	4	0	4
CIS	110	Intro to Computers	2	2	0	3
or						
CIS	113	Computer Basics	0	2	0	1
EGR	115	Intro to Technology	2	3	0	3
EGR	250	Statics/Strength of Mater	4	3	0	5
MAT	172	Precalculus Trigonometry	3	2	0	4
TOTALS			11	14	0	17

SUMMER SEMESTER 1

Prefix	No.	Title	Class	Lab	Clinical	Credit
CIV	111	Soils and Foundations	2	4	0	4
SRV	111	Surveying II	2	6	0	4
TOTALS			4	10	0	8

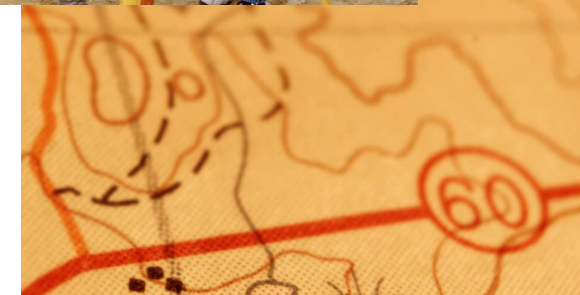
FALL SEMESTER 2

Prefix	No.	Title	Class	Lab	Clinical	Credit
CEG	211	Hydrology & Erosion Cont	2	3	0	3
SRV	210	Surveying III	2	6	0	4
SRV	220	Surveying Law	2	2	0	3
TOTALS			6	11	0	10

SPRING SEMESTER 2

Prefix	No.	Title	Class	Lab	Clinical	Credit
CEG	230	Subdivision Plan & Design	1	6	0	3
COM	231	Public Speaking	3	0	0	3
SRV	240	Topo/Site Surveying	2	6	0	4
		Humanities/Fine Arts Elec	3	0	0	3
TOTALS			9	12	0	13

TOTAL REQUIRED CREDITS.....65



Work-Based Learning Option: NA

2+2 Transfer: Students desiring to pursue a Bachelors of Technology should take MAT 271 and PHY 151.

Note: Students **may not** take an introductory foreign language to fulfill the Humanities/Fine Arts requirement.

Refer to the FTCC website for the most current information.
Go to www.faytechcc.edu and click on College Catalog.