

This Associate in Science degree program prepares students for positions as a Civil Engineering Technician.

ACADEMIC PLAN: Associate in Science Degree

2020-2021

Civil Engineering Technology

Code 2178 **Program Length** 60 credits

For more information
Contact:

Student Affairs
Chipola College
(850) 718-2266

Entrance Requirements

Civil Engineering Technology is devoted to the application of engineering principles and the implementation of technological advances in the design process of Civil engineering projects. The program provides students with the skills necessary to enter the field of civil engineering as a technician with emphasis on design of projects. After the student obtains a sound foundation in fundamentals through general and technical core courses, the individual may pursue studies in a variety of special engineering and scientific courses according to the individual's interests and educational objectives.

All Associate in Science degree students must complete the required English and mathematics courses with a grade of "C" or higher.

Students must complete the following **bold** Civil Engineering Technology courses with a grade of "C" or higher.



Students who plan to pursue a bachelor's degree in Civil Engineering at a four-year college or university should fulfill the Associate in Arts degree requirements for the chosen transfer school.

FRESHMAN YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
ENC 1101 ¹	Communication Skills I	3	BCN 1214C	Materials & Methods of Construction	3
EGN 1108	Engineering Graphics	3	ETD 2551 ²	CAD Civil	3
ETD 1320	Intro to AutoCAD	3	ETD 1842	3D Visualization with AutoCAD	3
ETD 2340	AutoCAD Level II	3	GIS 1060	Intro to GIS w/ArcGIS	3
MAC 1114 ¹	Plane Trigonometry	3	STA 2023	Intro to Statistics	3
SLS 1101	Orientation	1			
TOTAL		16	TOTAL		15

SOPHOMORE YEAR

1st Semester		Sem. Hrs.	2nd Semester		Sem. Hrs.
BCN 2598C	Sustainable Building Systems	3	ETC 2521	Hydraulics and Hydrology	3
EGN 1002	Intro to Engineering	3	ETD 2554 ²	CAD Surveying	3
GIS 2041³	Intro to GIS and GPS Applications	3	XXX XXXX	HUMANITIES CORE	3
SUR 1101	Introduction to Surveying	3	SUR 2400⁴	Legal Aspects of Surveying	1
PHY 1053C & 1053L	General Physics I and Lab	4	ECO 2013	Macroeconomics	3
TOTAL		16	TOTAL		13

While academic advisors, faculty and staff provide significant academic planning and related assistance to students, completion of all degree requirements, and the process of monitoring progress to that end, is ultimately the responsibility of the student.

¹Non-credit developmental reading, writing, and/or math courses may also be required.

²Prerequisite: ETC 1320

³Prerequisite: GIS 1060

⁴Prerequisite: SUR 1101