

Civil Engineering Technology A.A.S.

Advisor - East Broad Campus: Marshall Bailey, Bevill Center (256.549.8624) mbailey@gadsdenstate.edu

NOTICE(s): For the A.A.S. Degree in the Civil Engineering Technology Specialty, the student must complete a minimum of 76 credit hours—a minimum of 61 in technical courses and a minimum of 15 in general education courses—all of which must be approved by the advisor. A maximum of 9 credit hours of technical electives may be selected from any approved area of Engineering Technology programs with prior written approval from the student's major advisor. Technical courses may vary to meet student needs and to provide options. Admission Requirement: High school diploma or GED.

The student is responsible for verifying the transferability of credit in this program to a senior institution with the appropriate senior institution advisor.

This program is offered at the East Broad Campus only.

Program: Civil Engineering

Type: Associate in Applied Science Degree

Written Composition

Item #	Title	Credits
ENG 101	English Composition I	3
	Sub-Total Credits	3

Humanities and Fine Arts

Item #	Title	Credits
	Humanities/Fine Arts Elective	3
	Sub-Total Credits	3

Natural Sciences and Mathematics

Item #	Title	Credits
INT 104	Principles of Technology	3
	MTH 100: Intermediate College Algebra OR numerically higher	3
	Sub-Total Credits	6

History, Social and Behavioral Sciences

Item #	Title	Credits
	History, Social and Behavioral Sciences Elective	3
	Sub-Total Credits	3

Technical Courses - Required

Item #	Title	Credits
CET 100	Engineering Blueprints	3
CET 101	Introduction to Engineering Technology	3
CET 215	Statics	3
CET 217	Strength of Materials	3
MDT 105	Introduction to Computer-Aided Design (CAD)	3
MDT 146	AutoCAD CADD	3
MDT 147	Inventor CADD	3
ORI 101	Orientation to College	1
CET 111	Fundamentals of Surveying	3
CET 112	Intermediate Surveying	3
CET 131	Highway Design and Construction	3
CET 214	Hydraulics	3
	Sub-Total Credits	34

Technical Courses - Additional Coursework

Students must choose the remaining 27 credits from the following list:

Item #	Title	Credits
CET 105	Introduction to Microstation	3
CET 121	Engineering Materials	3
	CET 181 or CET 183	3
CET 213	Topographical Surveying and Drawing	3
CET 216	Advanced Surveying	3
CET 221	Construction Equipment	3
CET 222	Residential Land Development	3
CET 223	Site Planning and Development	3
CET 240	Geographic Information Systems	3
CET 281	Special Topics in Civil Engineering Technology	3
CET 281A-H	Special Topics in Civil Engineering Technology	3
CIS 146	Microcomputer Applications	3
MDT 122	Architectural Drawing	3
SPH 106	Fundamentals of Oral Communication	3
	Sub-Total Credits	42
	Total credits:	76