

## Civil Engineering Technology A.A.S.

**Advisor – East Broad Campus:** Dave Hyatt, Bevill Center (256.549.8624) [dhyatt@gadsdenstate.edu](mailto:dhyatt@gadsdenstate.edu)

		<b>STUDENT PROGRESS</b>	
		<u>Grade</u>	<u>Term Completed</u>
<b>Area I — Written Composition:</b> .....	<b>3</b>		
• ENG 101 - English Composition I .....	3		
<b>Area II — Humanities and Fine Arts:</b> .....	<b>3</b>		
• Humanities and Fine Arts Elective** .....	3		
<b>Area III — Natural Science or Mathematics:</b> .....	<b>6</b>		
• INT 104 - Principles of Technology .....	3		
• MTH 100 - Intermediate College Algebra <b>OR</b> numerically higher.....	3		
<b>Area IV—History, Social and Behavioral Science:</b> .....	<b>3</b>		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....	3		
<b>Area V — Technical Courses:</b> .....	<b>22</b>		
Courses listed below are required.			
• 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		
<b>Additional Coursework:</b> .....	<b>39</b>		
• CET 105 - Introduction to Microstation.....	3		
• * CET 111 - Fundamentals of Surveying.....	3		
• * CET 112 - Intermediate Surveying .....	3		
• CET 121 - Engineering Materials.....	3		
• * CET 131 - Highway Design and Construction .....	3		
• CET 181 - Special Topics in Civil Engineering Technology <b>OR</b> CET 183 - Special Topics in Civil Engineering Technology .....	3		
• CET 213 - Topographical Surveying and Drawing.....	3		
• * CET 214 - Hydraulics .....	3		
• CET 216 - Advanced Surveying.....	3		
• CET 221 - Construction Equipment .....	3		
• CET 222 - Residential Land Development.....	3		
• CET 223 - Site Planning and Development .....	3		



	<b>STUDENT PROGRESS</b>	
	<u>Grade</u>	<u>Term Completed</u>
• CET 240 - Geographic Information Systems .....	_____	_____
• CET 281 - Special Topics in Civil Engineering Technology .....	_____	_____
• CET 281A-H - Special Topics in Civil Engineering Technology .	_____	_____
• CET 284 Cooperative Education .....	_____	_____
• CIS 146 - Microcomputer Applications.....	_____	_____
• MDT 122 – Architectural Drawing .....	_____	_____
• SPH 106 - Fundamentals of Oral Communication .....	_____	_____

**\*Required Courses**

**Total Hours Required for Degree:..... 76**

**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.**

**\*\*Note:** Humanities and Fine Arts disciplines include but are not limited to the following: Literature, Ethnic Studies, Art and Art History, Foreign Language Literature, Music and Music History, Philosophy, Ethics, Religious Studies, Theater, and Dance.