

Mechanical Design Technology A.A.S.

Advisor – East Broad Campus: James Wilson, Bevill Center (256.549.8659) jwilson@gadsdenstate.edu

		STUDENT PROGRESS	
		<u>Grade</u>	<u>Term Completed</u>
Area I — Written Composition:	3		
• ENG 101 - English Composition I	3		
Area II — Humanities and Fine Arts:	3		
• Humanities and Fine Arts Elective**	3		
Area III — Natural Science or Mathematics:	6		
• INT 104 - Principles of Technology	3		
• MTH 100 - Intermediate College Algebra OR numerically higher.....	3		
Area IV - History, Social and Behavioral Sciences:	3		
• Economics, Geography, History, Political Science, Psychology, or Sociology.....	3		
Area V — Technical Courses:	22		
The following courses are required.			
• CET 100 - Engineering Blueprints	3		
• CET 101 - Introduction to Engineering Technology	3		
• MDT 105 - Introduction to Computer-Aided Design (CAD)	3		
• MDT 146 - AutoCAD CADD	3		
• MDT 147 - Inventor CADD.....	3		
• CET 215 - Statics.....	3		
• CET 217 - Strength of Materials	3		
• ORI 101 - Orientation to College.....	1		
Additional Coursework:	33		
• CIS 146 - Microcomputer Applications.....	3		
• * MDT 111 - Mechanical Drawing	3		
• MDT 122 - Architectural Drawing	3		
• MDT 123 - Architectural Drawing II	3		
• MDT 187 - Advanced Inventor CADD	3		
• * MDT 202 - SOLID WORKS CADD	3		
• MDT 203 - Pro-Engineering CADD	3		
• * MDT 211 - Advanced Mechanical Drawings.....	3		
• * MDT 221 - Machine Design.....	3		
• MDT 252 - Advanced SOLID WORKS CADD.....	3		
• MDT 261 - HVAC and Pipe Systems Design	3		
• MDT 271 - Structural and Weld Design	3		
• MDT 272 - Electrical and Electronic Design.....	3		



	STUDENT PROGRESS	
	<u>Grade</u>	<u>Term Completed</u>
• MDT 280 - 3-D Studio Max 3	_____	_____
• MDT 293 - Advanced Pro-Engineer 3	_____	_____
• MDT Elective 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

Total Hours Required for Degree:..... 70

NOTICE(s): For the A.A. S. Degree in Civil Engineering Technology, Mechanical Design Technology Specialty, the student must complete a minimum of 70 credit hours — a minimum of 55 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.