



Automotive Manufacturing Technology Certificate

Advisors – Ayers Campus: Audrey Webb, Electronics Building (256-835-5460) awebb@gadsdenstate.edu;

Andrew Robertson, Electronics Building (256.835-5427) arobertson@gadsdenstate.edu

East Broad Campus: Jack Mayfield, Industrial Automation Building (256.549.8637) jmayfield@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: 0		
Area III — Natural Science or Mathematics: 3		
• MTH 100 - Intermediate College Algebra OR numerically higher..... 3	_____	_____
Area IV — History, Social and Behavioral Sciences: 0		
Area V – Technical Courses: 37		
• * AUT 100 - Introduction to Automotive Concepts 3	_____	_____
• * AUT 102 - Lean Manufacturing and Industrial Safety 3	_____	_____
• * AUT 104 - Blueprint Reading for Manufacturing 3	_____	_____
• * AUT 110 - DC Fundamentals 3	_____	_____
• * AUT 111 - AC Fundamentals 3	_____	_____
• * AUT 114 - Introduction to Programmable Logic Controllers .. 3	_____	_____
• AUT 118 - Introduction to Engineering Technology 3	_____	_____
• AUT 130 - Fundamentals of Industrial Hydraulics and Pneumatics 3	_____	_____
• AUT 138 - Principles of Industrial Mechanics 3	_____	_____
• * AUT 139 – Introduction to Robotic Programming 3	_____	_____
• * AUT 150 - Introduction to Machine Shop I..... 3	_____	_____
• AUT 155 - Metrology..... 3	_____	_____
• AUT 234 - Industrial Motor Controls I..... 3	_____	_____
• CIS 146 - Microcomputer Applications..... 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design 3	_____	_____
• * ORI 101 - Orientation to College 1	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

Total Hours Required for Degree: 43

NOTICE(s): For the certificate in Automotive Manufacturing Technology, the student must complete at least 43 credit hours—at least 37 in technical courses and at least 6 in general education courses—all of which must be approved by the advisor. Technical courses, which may vary to meet student needs and to provide options, must be selected from those listed above. Admission Requirement: High school diploma or GED.