



Automotive Manufacturing Technology A.A.S.

Advisors – Ayers Campus: Andrew Robertson, Electronics Building (256.835.5427) arobertson@gadsdenstate.edu;
 Audrey Webb, Electronics Building (256.835.5460) awebb@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: 3		
• Humanities/Fine Arts** 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		
Courses listed below are required.		
• 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 114 - Introduction to Programmable Logic Controllers 3	_____	_____
• AUT 118 - Introduction to Engineering Technology 3	_____	_____
• AUT 139 – Introduction to Robotic Programming 3	_____	_____
• ORI 101 - Orientation to College 1	_____	_____
Additional Coursework: 39		
• AUT 106 - Quality Control and Inspection Techniques 3...	_____	_____
• * AUT 111 - AC Fundamentals 3	_____	_____
• AUT 116 – Introduction to Robotics 3	_____	_____
• AUT 117 - AC/DC Machines 3	_____	_____
• AUT 121 - Elements of Industrial Control 3	_____	_____
• AUT 122 - Elements of Industrial Control Lab 2	_____	_____
• AUT 130 - Fundamentals of Industrial Hydraulics and Pneumatics 3	_____	_____
• AUT 138 - Principles of Industrial Mechanics 3	_____	_____
• AUT 142 - Industrial Wiring 3	_____	_____
• AUT 150 - Introduction to Machine Shop I 3	_____	_____



STUDENT PROGRESS

	<u>Grade</u>	<u>Term Completed</u>
• AUT 151 - Introduction to Machine Shop I Lab 3	_____	_____
• AUT 155 - Metrology 3	_____	_____
• AUT 186 - Principles of Industrial Maintenance Welding and Metal Cutting Techniques 3	_____	_____
• AUT 193 - Special Topics (Electrical/Electronic) 1	_____	_____
• AUT 194 - Special Topics (Electrical/Electronic) 2	_____	_____
• AUT 221 - Advanced Programmable Logic Controllers 3	_____	_____
• AUT 230 - Preventive and Predictive Maintenance 3	_____	_____
• AUT 234 - Industrial Motor Controls I 3	_____	_____
• AUT 262 - Computer Integrated Manufacturing 3	_____	_____
• AUT 291 - Automotive Cooperative Education 1	_____	_____
• AUT 292 - Automotive Cooperative Education 2	_____	_____
• AUT 293 - Automotive Cooperative Education 3	_____	_____
• CIS 146 - Microcomputer Applications 3	_____	_____
• MDT 105 - Introduction to Computer-Aided Design (CAD) OR DDT 104 –Basic Computer-Aided Drafting and Design 3	_____	_____
• SPH 106 - Fundamentals of Oral Communication 3	_____	_____

***Required Courses**

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

NOTICE(s): For the A.A.S. Degree in Automotive Manufacturing Technology, 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 the 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.

****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.