



CHATTAHOOCHEE VALLEY COMMUNITY COLLEGE

Certificate - Applied Technology: Automotive Manufacturing option

This program prepares individuals to apply basic engineering principles and technical skills to the identification and resolution of production problems in the manufacture of products. This program includes instruction in machine operations, production line operations, engineering analysis, systems analysis, instrumentation, physical controls, automation, computer-aided manufacturing (CAM), manufacturing planning, quality control and informational infrastructure.

	credit hours
Required general education courses	12
ENG 101 English Composition I.	3
MTH 100 Intermediate College Algebra or higher level MTH.	3
SPH 106 Fundamentals of Oral Communication	3
or SPH 107 Fundamentals of Public Speaking	3
CIS 146 Microcomputer Applications	3
Required automotive manufacturing courses	45
ADM 100 Industrial Safety	3
ADM101 Precision Measurement.....	3
ADM 102 Computer Aided Design	3
ADM 103 Intro to Computer Integrated Manufacturing/Material Processes	3
ADM 104 Introduction to Thermal/Electrical Principles	3
ADM 105 Fluid Systems	3
ADM 106 Quality Control Concepts	3
INT 101 DC Fundamentals	3
INT 103 AC Fundamentals	3
INT 117 Industrial Mechanics	3
INT 184 Intro to Programmable Logic Controllers.....	3
INT 284 Advanced Programmable Logic Controllers.....	3
INT 288 Applied Programmable Logic Controllers	3
INT 253 Industrial Robotics.....	3
INT 134 Prin. of Industrial Maintenance Welding and Metal Cutting Techniques	3
Additional certificate requirements	4
*ORI 101 Orientation to College	1
WKO 102 Workplace Skills Development II.....	3
Total	60-63