A.A.S. - 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

Area I: Written Composition **3**
   ENG 101 English Composition 3

Area II: Humanities and Fine Arts **6**
   SPH 106 Fundamentals of Oral Communications 3
  or SPH 107 Fundamentals of Public Speaking 3
   *Humanities 3

Area III: Natural Science and Mathematics **9**
   MTH 100 Intermediate College Algebra (or higher level math)........... 3
   CIS 146 Microcomputer Applications............................... 3
   Math, Science or Computer Science Elective 3

Area IV: History, Social and Behavioral Sciences **3**
   PSY 200 General Psychology...................................... 3

Area V: Preprofessional Major and Elective Courses............................ **50**
   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
   WKO 110 NCCER Core 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 134 Prin. of Industrial Maintenance Welding and
        Metal Cutting Techniques 3
   AUT 210 Industrial Robotics...................................... 3

Additional degree requirements **4**
  **ORI 101 Orientation to College 1
   WKO 102 Workplace Skills Development II 3
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  Total **70-72**