

A.A.S. - Applied Technology: Industrial Maintenance option

This program prepares individuals to apply technical knowledge and skills to repair and maintain industrial machinery and equipment such as cranes, pumps, engines and motors, pneumatic tools, conveyor systems, production machinery, marine deck machinery, and steam propulsion, refinery, and pipeline-distribution systems.

	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/Fine Arts Elective	3
Area III: Natural Science and Mathematics	10
MTH 100 Intermediate College Algebra (or higher level math).....	3
CIS 146 Microcomputer Applications.....	3
PHS 112 Physical Science II	4
Area IV: History, Social, and Behavioral Sciences	3
PSY 200 General Psychology	3
Area V: Preprofessional, Major, and Elective Courses	48
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 113 Motor Controls	3
INT 117 Industrial Mechanics	3
INT 253 Industrial Robotics	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
Additional degree requirements	3
**ORI 101 Orientation to College	1
WKO 101 Workplace Skills Development	2
Total	73

* Students must choose from among the courses listed on page 78.

** Students may use ORI 105, Orientation and Student Success, to satisfy this requirement. Enrollment in this three credit-hour class will add two semester hours to the student's program total.