

Industrial Automation Technology Certificate

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NOTICE(s): For the certificate in Industrial Automation 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.

Program: Industrial Automation Technology
Type: Certificate

Written Composition

| Item # | Title | Credits |
|---------|-----------------------|---------|
| ENG 101 | English Composition I | 3 |
| | Sub-Total Credits | 3 |

Natural Sciences and Mathematics

| Item # | Title | Credits |
|--------|---|---------|
| | MTH 100: Intermediate College Algebra OR numerically higher | 3 |
| | Sub-Total Credits | 3 |

Technical Courses - Required

| Item # | Title | Credits |
|---------|--|---------|
| EET 100 | Introduction to Engineering Technologies | 3 |
| INT 117 | Principles of Industrial Mechanics | 3 |
| INT 118 | Fundamentals of Industrial Hydraulics and Pneumatics | 3 |
| INT 126 | Preventive Maintenance | 3 |
| INT 127 | Principles of Industrial Pumps and Piping Systems | 3 |
| | ELT 118 or INT 158 | 3 |
| ORI 101 | Orientation to College | 1 |
| | Sub-Total Credits | 19 |

Technical Courses:

Choose 18 credit hours from the following list:

| Item # | Title | Credits |
|---------------|------------------------------------|----------------|
| ACR 111 | Principles of Refrigeration | 3 |
| ACR 112 | HVACR Service Procedures | 3 |
| CIS 146 | Microcomputer Applications | 3 |
| ELT 110 | Wiring Methods | 3 |
| | ELT 231 or INT 184 | 3 |
| INT 101 | DC Fundamentals | 3 |
| INT 103 | AC Fundamentals | 3 |
| INT 113 | Industrial Motor Control I | 3 |
| INT 180 | Special Topics | 2 |
| INT 291 | Cooperative Education | 3 |
| INT 296 | Co-Op | 1 |
| INT 298 | Co-Op | 2 |
| | MDT 105 or DDT 104 | 3 |
| SPH 106 | Fundamentals of Oral Communication | 3 |
| | Approved IAT Elective | 3 |
| | Sub-Total Credits | 41 |
| | Total credits: | 43 |