

## **ELECTROMECHANICAL INSTRUMENTATION TECHNOLOGY**

### **Program Description**

The Electromechanical Instrumentation Technology (EIT) Advanced Technical Certificate program is designed to provide students with advanced industrial, electrical, mechanical, programmable logic skills, and instrumentation knowledge and skills. Graduates of the EIT program should possess the solid foundational knowledge and maintenance skills necessary to successfully compete for high-demand, high-wage jobs in advanced technological workplace settings. Examples of such maintenance jobs includes electrical and instrumentation technicians, electrical and mechanical technicians, industrial mechanics, millwrights and other related jobs. It should be noted, however, that work experience is necessary to becoming a master technician in this career field.

### **Curriculum**

The course prerequisites for enrolling in the Electromechanical Instrumentation Technology (EIT) program are satisfactory completion of all the courses required for the one-year Electromechanical Technology technical certificate. Additionally, all the credits earned in EIT program will apply toward an Associate of Applied Science (AAS) Degree in Industrial Technology. Additionally, all the credits earned in EIT program will apply toward an Associate of Applied Science (AAS) Degree in Industrial Technology. Students ultimately desiring to pursue the AAS in Industrial Technology should make note of the general education course requirements when scheduling their classes each semester or term.

The length of the Electromechanical Instrumentation Technology program for a full-time student is two (2) semesters. The approximate program costs are \$1,970.00 for tuition/fees and \$700 for books and supplies. *NOTE: Students must have completed Electromechanical Technology technical certificate to enroll for the following courses.*

**ELECTROMECHANICAL INSTRUMENTATION TECHNOLOGY  
GRADUATION REQUIREMENTS  
(Suggested Schedule)**

<b><u>Fall Semester</u></b>			
EIT	2103	Industrial Electric Motors/AC Drives	3
EIT	1704	Solid State/Analog Circuits	4
EIT	2613	DC Controls	3
EIT	1123	Industrial Safety	3
			(13)
<b><u>Spring Semester</u></b>			
EIT	2155	Programmable Logic Controls	5
EIT	2145	Instrumentation	5
EIT	1112	Precision Maintenance	2
EIT	2133	Basic Digital Technology	3
			(15)
<b>Exit: Electromechanical Instrumentation Technology Advance Technical Certificate</b>			<b>38</b>