

# ELECTRO-MECHANICAL TECHNOLOGY, A.A.S.

The **Electro-Mechanical Technology degree** prepares students to enter the industrial and manufacturing workplace with knowledge and skill levels in three areas: programmable controllers, process control instrumentation and mechanical maintenance.

For more information about Electro-Mechanical Technology, please visit the program page (<http://www.cod.edu/electro-mech/>).

## Degree Requirements

Field of Study Code: ELMEC.AAS.ELMET

Code	Title	Credits
<b>Program Requirements</b>		
ELECT 1100	Electricity and Electronics Fundamentals	3
ELECT 1101	Circuits I	3
ELECT 1151	Electronic Devices and Applications	4
ELMEC 1101	Survey of Automation	3
ELMEC 1106	Power Electricity and Rotating Machines	4
ELMEC 1110	Motor & Generator Fundamentals	3
ELMEC 1141	Hydraulics and Pneumatics	3
ELMEC 1171	Introduction to Robotic Technology	3
ELMEC 1190	Intro to Programmable Logic Controllers	3
ELMEC 1420	Drive Components	2
ELMEC 2410	Programmable Controller II (PLC II)	3
ELMEC 2510	Process and Automation Controls	3
ELMEC 2600	Motion Control: Motor Dr Application and Control	3
<b>Program Electives</b>		
Select seven credits in Electro-Mechanical Technology or Electronics Technology <sup>1</sup>		7
<b>General Education</b>		
Select 18 credits <sup>1</sup>		18
<b>Total Credits</b>		<b>65</b>

<sup>1</sup> In addition to the courses listed above.

## General Education Requirements

For general education requirements for the A.A.S. degree, please visit the A.A.S. degree catalog page (<https://catalog.cod.edu/associate-degree-programs/associate-applied-science-degree/>).