

# MECHANICAL MAINTENANCE, CERTIFICATE

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Students earning the **Mechanical Maintenance certificate** learn skills in power trains, drive components, mechanical alignment of couplings, pumps and motors, and troubleshooting and repair of industrial components. This certificate requires 34 credits in the courses listed below.

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

## Certificate Requirements

Field of Study Code: ELMEC.CER.MECH

Code	Title	Credits
ELMEC 1101	Survey of Automation	3
ELMEC 1110	Motor & Generator Fundamentals	3
ELMEC 1130	Industrial Electricity	3
ELMEC 1141	Hydraulics and Pneumatics	3
ELMEC 1150	National Electrical Code	3
ELMEC 1171	Introduction to Robotic Technology	3
ELMEC 1190	Intro to Programmable Logic Controllers	3
ELMEC 1420	Drive Components	2
ELECT 1100	Electricity and Electronics Fundamentals	3
MANUF 1104	Technical Mechanics	2
MANUF 1151	Machine Shop I	3
WELD 1100	Welding I	3
<b>Total Credits</b>		<b>34</b>