PROGRAMMABLE LOGIC CONTROLLERS IN AUTOMATION, CERTIFICATE

The **Programmable Logic Controllers in Automation certificate** involves programming and maintenance of various programmable controllers in automation applications. This certificate requires 18 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.PROLOG

Code	Title	Credits
Program Requirements		
ELMEC 1110	Motor & Generator Fundamentals	3
ELMEC 1190	Intro to Programmable Logic Controllers	3
ELMEC 2410	Programmable Controller II (PLC II)	3
ELMEC 2510	Process and Automation Controls	3
ELECT 1100	Electricity and Electronics Fundamentals	3
Program Electives		
Select one of the following: [1]		3
ELMEC 1130	Industrial Electricity	
ELMEC 1141	Hydraulics and Pneumatics	
Total Credits		**18**

[1] In addition to the courses listed above.