

INSTRUMENTATION AND CONTROL TECHNOLOGY

Program Certificate

Prescribed Technical Program	52
General Education	4
Total Degree Credits	56

1st Year

Fall Semester

Prescribed Technical Program Requirements

ELEC 100	Direct Current Analysis	4
ELEC 100L	Direct Current Analysis Lab	1
ELEC 118	Solid State Devices I	4
ELEC 118L	Solid State Devices I Lab	1
ELEC 114	Digital Electronics I	3
ELEC 114L	Digital Electronics I Lab	1
Total Credits		14

Spring Semester

Prescribed Technical Program Requirements

ELEC 130	Active Devices	4
ELEC 130L	Active Devices Lab	1
ELEC 120	AC Analysis	4
ELEC 120L	AC Analysis Lab	1
ELEC 115	Digital Electronics II	3
ELEC 115L	Digital Electronics II Lab	1
Total Credits		14

OR

Prescribed Credits

Journeyman Electrician License ¹	28
Transfer in Electrician coursework completed through a regionally accredited institution	

2nd Year

Fall Semester

Prescribed Technical Program Requirements

ICTL 205	Mechanical Practices	4
ICTL 215	Instrumentation Drawings and Documents	4
ICTL 225	Input and Output Devices	4
Total Credits		12

Spring Semester

Prescribed Technical Program Requirements

ICTL 235	Motors and Controllers	4
ICTL 245	Controls	4
ICTL 255	Automation Overview	4
Total Credits		12

General Education Requirements

Select 4 credits of general education courses in 2 areas of study.	4
General Education Requirements Course	
General Education Requirements Course	
Total Credits	4

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Program must be approved through the Prior Learning Process.

College Degree Requirements

General Education & Diversity Course Matrix Requirements