

Industrial Technology

Fifth Semester – Spring

EEM 252	Programmable Controllers Applications	3
		Total 3

Electrician: Automated Controls

Certificate in Applied Science

Credit Requirements: 27 Semester Credit Hours Evening

The Electrician: Automated Controls certificate program prepares you for employment in industry as an automated controls maintenance technician. Emphasis is placed on electrical/electronic theory, programmable controllers and their applications, and hydraulic and pneumatic systems.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

Recommended Sequence of Courses

First Semester – Spring

EEM 117	AC/DC Circuits I	4
IMT 131	Hydraulics and Pneumatics	4
		Total 8

Second Semester – Summer

EEM 107	Industrial Computer Techniques	2
EEM 118	AC/DC Circuits II	4
		Total 6

Third Semester – Fall

EEM 131	Solid State Devices	4
EEM 251	Programmable Controllers	3
		Total 7

Fourth Semester – Spring

EEM 221	DC/AC Drives	3
EEM 252	Programmable Controllers Applications	3
		Total 6

Electrician: Construction

Certificate in Applied Science

Credit Requirements: 29 Semester Credit Hours Day

The Electrician: Construction certificate program prepares you for employment in the electrical construction trade. Emphasis is placed on electrical theory, wiring techniques, electrical equipment installations and license preparation in accordance with the latest edition of the National Electrical Code.

Admission into this program requires qualifying scores on SAT, ACT or TTC's placement test. High school graduation is not required if you are at least 18 years old.

Recommended Sequence of Courses

First Semester – Fall

BCT 140	Commercial Wiring	3
EEM 117	AC/DC Circuits I	4
EEM 165	Residential/Commercial Wiring	4
IMT 210	Basic Industrial Work Skills I	3
		Total 14

Second Semester – Spring

EEM 118	AC/DC Circuits II	4
IMT 211	Basic Industrial Work Skills II	3
		Total 7

Third Semester – Summer

BCT 141	Fixtures and Installation	3
EEM 107	Industrial Computer Techniques	2
		Total 5

Fourth Semester – Fall

EEM 140	National Electrical Code	3
		Total 3

Electrician: Construction

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