

ELW 221	Advanced Line Construction	3
<b>Secondary Path: 12 credit hours (min. 12)</b>		
*CWE	Cooperative Work Experience I	4
EEM 165	Residential/Commercial Wiring	4
AHS 106	Cardiopulmonary Resuscitation	1
AHS 114	Basic First Aid	1
IMT 102	Industrial Safety	2

**Additional Requirements: 5 credit hours (min. 5)**

ELW 110	Electrical Computations	2
ELW 113	National Electrical Safety Code	3

*\*Students may substitute 4 credit hours from the EEM course listings for CWE. Any CWE must be performed in conjunction with the ELW program in order to count toward program graduation requirements.*

## Electrician: Automation and Industrial Course Display

**Credit Requirements: 62 Semester Credit Hours**

### Core Curriculum Requirements

ENG 101	English Composition I	3
ELE MAT	Select one course from Mathematics Electives on page B-4	3
ELE HUM	Select one course from Humanities Electives on page B-3	3
ELE SSC	Select one course from Behavioral and Social Sciences Electives on page B-4	3
ELE ORAL	Select three hours from Oral Communications Electives	3

### Primary Path Requirements

EEM 107	Industrial Computer Techniques	2
EEM 117	AC/DC Circuits I	4
EEM 118	AC/DC Circuits II	4
EEM 131	Solid State Devices	4
EEM 151	Motor Controls I	4
EEM 217	AC/DC Machines with Electrical Codes	4
EEM 221	DC/AC Drives	3
EEM 251	Programmable Controllers	3

### Secondary Path Requirements

BCT 140	Commercial Wiring	3
EEM 252	Programmable Controllers Applications	3
IMT 131	Hydraulics and Pneumatics	4
IMT 163	Problem Solving for Mechanical Applications	3

### Additional Requirements

IMT 210	Basic Industrial Skills I	3
IMT 211	Basic Industrial Skills II	3

### Oral Communication Electives

ENG 260	Advanced Technical Communications	3
HSS 201	Issues in Humanities	3
SPC 205	Public Speaking	3
SPC 209	Interpersonal Communication	3
THE 101	Introduction to Theater	3

## Electrician: Automation and Industrial Career Path Day

**Credit Requirements: 62 Semester Credit Hours**

### Recommended Sequence of Courses

#### First Semester – Fall

BCT 140	Commercial Wiring	3
EEM 117	AC/DC Circuits I	4
IMT 131	Hydraulics and Pneumatics	4
IMT 210	Basic Industrial Skills I	3
		<b>Total 14</b>

#### Second Semester – Spring

EEM 118	AC/DC Circuits II	4
EEM 131	Solid State Devices	4
IMT 211	Basic Industrial Skills II	3
ENG 101	English Composition I	3
		<b>Total 14</b>

#### Third Semester – Summer

EEM 107	Industrial Computer Techniques	2
EEM 217	AC/DC Machines with Electrical Codes	4
EEM 221	DC/AC Drives	3
ELE MAT	Select one course from Mathematics Electives on page B-4	3
		<b>Total 12</b>

#### Fourth Semester – Fall

EEM 151	Motor Controls I	4
EEM 251	Programmable Controllers	3
ELE HUM	Select one course from Humanities Electives on page B-3	3
ELE SSC	Select one course from Behavioral and Social Sciences Electives on page B-3	3
		<b>Total 13</b>