

Industrial Technology

Basic Construction Trades Electives

BCT 108	Finish Trim	2
BCT 116	Residential Building Exam Preparation	1
BCT 204	Cabinet Making	4
CWE	Cooperative Work Experience	

Basic Construction Trades Additional Electives

BAF 101	Personal Finance	3
MGT 120	Small Business Management	3
SPA 155	Technical Spanish I	3

*These courses may be substituted as a group for a different technical subject area of at least 12 semester credit hours, which must be approved by your advisor.

Electrical Line Worker Technology Career Path

(Restricted to Electric Utility Employees)

Credit Requirements: 65 Semester Credit Hours

Core Curriculum Requirements: 15-18 credit hours

CPT 101	Introduction to Computers	3
or		
EGR 110	Introduction to Computer Environment	3
ENG 101	English Composition I	3
REQ HUM	Select one course from Humanities listing on page B-3	3
REQ MAT	Select one math course from Mathematics/Natural Sciences listing on page B-4	3
ECO 210	Macroeconomics	3
or		
PSY 201	General Psychology	3
SPC 205	Public Speaking	3
or		
SPC 209	Interpersonal Communication	3

Primary Path: 28-30 credit hours

ELW 111	Introduction to Electrical Line Worker	3
ELW 112	Introduction to Electricity	3
ELW 114	Overhead Line Construction I	3
ELW 211	Underground Line Construction I	3
ELW 231	Electrical Power Systems	3
ELW 115	Overhead Line Construction II	3
ELW 116	Overhead Line Construction III	3
ELW 117	Overhead Line Construction IV	3
ELW 212	Underground Line Construction II	3
ELW 221	Advanced Line Construction	3

Secondary Path: 12 credit hours

*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: five credit hours

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

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

Electrician: Automation and Industrial Course Display

Credit Requirements: 62 Semester Credit Hours

Core Curriculum Requirements

REQ COM	Select one course from Communication listing on page B-3	3
REQ MAT	Select one math course from Mathematics/Natural Sciences listing on page B-4	3
REQ HUM	Select one course from Humanities listing on page B-3	3
REQ SSC	Select one course from Behavioral/Social Sciences listing on page B-4	3
REQ OTH	Select three hours from Other courses listed on page B-4	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