

Electrician's Assistant

Division	Cluster	Pathway	State Program Area	Local Program (Career Major)
<i>T&I</i>	<i>Architecture & Construction</i>	<i>Maintenance/Operations</i>	<i>Electrical Trades</i>	<i>Electrician's Assistant</i>

Electrician's Assistant (1050 hours)		
Hours	Course Title	Year/Class (AM or PM)
Full-Time Adult Student Semester 1 (240 hrs)		
30	General Construction Safety and First Aid	Year 1
15	Electrical Safety in Construction	Year 1
120	Electrical Theory in Construction	Year 1
45	Electrical Schematic & Blueprint Reading in Construction	Year 1
30	Electrical Power and Hand Tools and Equipment in Construction	Year 1
Full-Time Adult Student Semester 1 (270 hrs)		
60	Direct Current Circuits in Construction	Year 1
90	Alternating Current Circuits in Construction	Year 1
120	National Electrical Code in Construction	Year 1

Electrician's Assistant		
Hrs	Course Title	Quarter/Semester/AM/PM

Full-Time Adult Student Semester 2 (270 hrs)		
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240	Residential Wiring Methods	Year 1
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30	Workforce Staging	Year 1
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Full-Time Adult Student Semester 2 (270 hrs)		
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30	Motor Theory & Operation in Construction	Year 1
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30	Motor Control Wiring in Construction	Year 1
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90	Programmable Logic Controllers in Construction	Year 1
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120	Commercial Wiring Methods	Year 1
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****Part-Time Students will divide the courses above in to 2 years. (See Division of coursework below)**

Career Major: Electrician's Assistant-Year 1

CAREER MAJOR COURSES	Timeline
Program Orientation	August
Core Module 1-Basic Safety	August
NEC Chapter 1	August
Core Module 2-Construction Math	September
NEC Chapter 1	September-Labor Day
Core Module 3-Hand Tools	September
NEC Chapter 2	September
Core Module 4-Power Tools	October
NEC Chapter 2	October
Core Module 5-Construction Drawings	October-District PD
NEC Chapter 2	October
Core Module 6-Basic Rigging	November
Core Module 7-Communication Skills	November
	November-Thanksgiving Break
NEC Chapter 3	November
Core Module 8-Employability Skills	December
Core Module 9-Materials Handling	December
	December-Christmas Break
	December-Christmas Break
Electrical 1 Module 1-Orientation to Electrical	January
NEC Chapter 3	January
Electrical 1 Module 2-Electrical Safety	January
NEC Chapter 3	January
Electrical 1 Module 3-Electrical Circuits	February
NEC Chapter 3	February
Electrical 1 Module 4-Electrical Theory	February
Electrical 1 Module 5-Intro to NEC	February
Electrical 1 Module 6-Device Boxes	March
Electrical 1 Module 7-Hand Bending	March
	March-Spring Break
Electrical 1 Module 8-Raceways & Fittings	March
NEC Chapter 4	April
Electrical 1 Module 9-Conductors & Cables	April-Good Friday/Snow Day
NEC Chapter 4	April
Electrical 1 Module 10-Electrical Drawings	April
Electrical 1 Module 11-Residential Services	May
Electrical 1 Module 12-Test Equipment	May
Final Testing/End of School Activities	May

Career Major: Electrician's Assistant-Year 2

CAREER MAJOR COURSES	Timeline
Program Orientation	August
Electrical 2 Module 1-AC	August
NEC Chapter 5	August
Electrical 2 Module 2-Motors	September
NEC Chapter 5	September-Labor Day
Electrical 2 Module 3-Lighting	September
NEC Chapter 5	September
Electrical 2 Module 4-Conduit Bending	October
NEC Chapter 6	October
Electrical 2 Module 5-Pull Boxes	October-District PD
NEC Chapter 6	October
Electrical 2 Module 6-Conductor Installation	November
Electrical 2 Module 7-Cable Tray	November
Electrical 2 Module 8-Conductor Terminations	November
	November-Thanksgiving Break
Electrical 2 Module 9-Grounding	November
Electrical 2 Module 10-Circuit Breakers	December
Electrical 2 Module 11-Control Systems	December
	December-Christmas Break
Electrical 3 Module 1-Branch Circuits	January
NEC Chapter 7	January
Electrical 3 Module 2-Conductor Selection	January
NEC Chapter 7	January
Electrical 3 Module 3-Apps Lighting	February
NEC Chapter 8	February
Electrical 3 Module 4-Hazardous Location	February
Electrical 3 Module 5-Overcurrent Protection	February
Electrical 3 Module 6-Distribution Equipment	March
Electrical 3 Module 7-Transformers	March
	March-Spring Break
Electrical 3 Module 8-Commercial Services	March
NEC Chapter 8	April
Electrical 3 Module 9-Motor Calculation	April-Good Friday/Snow Day
NEC Chapter 9	April
Electrical 3 Module 10-Voice & Data	April
NEC Chapter 9	May
Electrical 3 Module 11-Motor Controls	May
Final Testing/End of School Activities	May

