Electrical Technologies
2026-2027

Short Course Description:	This program provides training for students who wish to prepare for jobs in the residential and commercial electrical field. A combination of lab and classroom activities provides the experience and knowledge to help you gain an entry-level position in this growing career field. This course blends curriculum prepared by National Center for Construction Education and Research (NCCER), OSHA, NEC and our professional trades instructors.					
Certifications Offered:	● NCCER Level 1 Electrical ● Ultimate Guide Wiring ● NCCER Core Curriculum ● Mid-East Safety Certificate ○ OSHA 10 Hour Safety ○ American Safety and Health Institute First Aid/CPR/AED ○ Industrial Forklift Training Certificate ○ Aerial and Scissor Lift Training Certificate					
State Date:	August 18, 2026					
End Date:	May 20, 2027					
Hours/Days:	Monday – Thursday, 4:30 – 9:30 pm (5 hours/day)					
Program Hours:	720					
Instructional Weeks:	38					
Book/Laptop Cost:	$946.50		**Supplies**:	$1,588.50		
Tuition:	$7,560		**Fees:**	$1,593		
Total Program Cost:	$11,688					
Additional program requirements not included in tuition:						
Entrance Requirements:	Provide a copy of high school or GED transcript, meet WorkKeys score requirements. Students must also complete all financial aid arrangements for payment of tuition, fees, books and supplies					
WorkKeys – required/not required:	Required					
WorkKeys Score Levels:	**Workplace Documents**	3	**Graphic Literacy**	3	**Applied Math**	3
Completion Rate	83%					
Job Placement Rate	80%					
Program Completion Requirements:	● A “C” average or higher ● Attendance rate not less than 90% ● Payment of all outstanding obligations to the school ● Current resume on file with Student Services ● Stafford Loan Exit Counseling complete (if applicable)					

Electrical Technologies Course Outline

Core Curriculum	Basic Safety, OSHA 10 Safety, Intro to Construction Math, Intro to Hand Tools, Intro to Power Tools, Intro to Construction Drawings, Basic Rigging, Basic Communication Skills, Basic Employability Skills, Intro to Material Handling-Forklift-Scissor Lift, First Aid, CPR, AED
Electricity Level 1	Orientation to the Trade, Electrical Safety, Electrical Circuits, Electrical Theory, NEC, Device Boxes, Hand Bending, Raceways and Fittings, Conductors and Cables, Electrical Construction Drawings, Residential Electrical Services, Electrical Test Equipment
Ultimate Guide Wiring	General Information for Electrical Installations, Electrical Codes and Law, Arc Flash, Who is Responsible for Safety, Tools, Electrical Power Tools., Digital Multimeters
Scaffolds and Ladders	Safety, Types of Scaffolds & ladders, and set-up
Underground Services & Trenching	Description of services, materials, installation, safety concerns, Call Before You Dig, trenching equipment and operation.
Arc Flash & Lockout/Tagout Training	Awareness training for Arc Flash and LOTO. Hands on Usage of Locks and Tags.
Journeyman's Exam and Preparation	NEC codebooks, codebooks tabs, referencing information, and practice test.

Electrical Technologies Hour Breakdown

Course	Theory	Lab	Total Hours
Core Curriculum	64	56	120
Electricity Level 1	96	144	240
Ultimate Guide Wiring	93	147	240
Scaffolds and Ladders	3	22	25
Underground Services and Trenching	6	19	25
Arc Flash and LOTO	8	22	30
Journeyman's Exam and Preparation	34	6	40
Total	**304**	**416**	**720**