

ELECTRICAL TECHNOLOGY

PROGRAM DESCRIPTION

This program prepares students for an entry-level position in the construction trades industry. This program provides opportunities for students to learn to install, maintain, and repair electrical wiring, equipment and fixtures in accordance with relevant codes. This program curriculum is aligned with National Center for Construction Education Research standardized national skills standards for the construction trades.



CTE STANDARDS

[SYLLABUS](#)

SCOPE & SEQUENCE

[CERTIFICATE SHEET](#)

JOB OUTLOOK

Employment of electricians is projected to grow 14 percent from 2014-2024, faster than the average for all occupations. As homes and businesses require more wiring electricians will be needed to install the necessary components. Electricians with the widest variety of skills should have the best job opportunities.

COST REQUIREMENTS

Upon Acceptance in to Program -

- AWC Tuition and books paid for by STEDY
- \$ 25.00 STEDY Enrollment fee



STEDY

[www. STEDYcte.org](http://www.STEDYcte.org)

STEDY Office

928-366-5884

stedy@stedy01.org

STUDENTS REQUIREMENTS

- ◆ English with a "C" or better
- ◆ CTED district resident
- ◆ Enrolled in High School
- ◆ Minimum GPA of 2.0
- ◆ On track with credits/courses towards graduation
- ◆ History of good attendance
- ◆ Two Year Program commitment
- ◆ YCAT Provided or transportation is the responsibility of the

Next Steps, College Majors!



Electrical Technology Year I

Grade Level: 10, 11 Course Length: semesters
 Location: AWC Campus CIP: 15.0303.10
 Credit: 3-4 credit AWC course = .5 High school elective credit / 5 credit
 AWC course = 1 High school elective credit

FALL	TEC 100	Core Curriculum Introductory Craft Skills	5 Credit
	ECT 105	Basic Electricity	3 Credit
SPRING	ECT 110	AC/DC Circuits	4 Credit
	ECT 115	National Electrical Code	3 Credit

Electrical Technology Year II

Grade Level: 11, 12 Course Length: semesters
 Location: AWC Campus CIP: 15.0303.20
 Credit: 3-4 credit AWC course = .5 High school elective credit / 5 credit
 AWC course = 1 High school elective credit

FALL	ECT 205	Fixtures and Installation	4 Credit
	TEC 165	OSHA 30	3 Credit
SPRING	ECT 210	Control Circuits	4 Credit
	ACR 103	Electrical Motors, Circuits, Controls	3 Credit
	DFT 100	AutoCAD 1—Drafting	3 Credit

Total 32 Credits