



HIGH SCHOOL/ INDUSTRY CERTIFICATION	CERTIFICATE/ LICENSE*	ASSOCIATE'S DEGREE	BACHELOR'S DEGREE	MASTER'S/ DOCTORAL PROFESSIONAL DEGREE

OCCUPATIONS	MEDIAN WAGE	ANNUAL OPENINGS	% GROWTH

WORK BASED LEARNING AND EXPANDED LEARNING OPPORTUNITIES



# COURSE INFORMATION

COURSE NAME	COURSE NUMBER AND CREDITS	PREREQUISITES (PREQ) COREQUISITES (CREQ)	GRADE
Principles of Construction	8410 (1 credit)	None	9-10
Electrical Technology I	8416 (1 credit)	Principles of Construction	10-11
Electrical Technology II	8417 (2 credits)	Electrical Technology I	11-12
Career Preparation I	8606 (3 credits)	Electrical Technology II	12

## COURSE DESCRIPTIONS

### Principles of Construction:

This course helps build foundation skills in construction. Jobsite safety, construction math, hand tools and power tools training coupled with communication and employability skills provide an excellent opportunity and insight into the career paths of the construction industry.

### Electrical Technology I:

This is a two-hour class where students start learning and developing skills in basic electrical theory and installation methods. The class begins with an orientation into the Electrical Trade and Electrical Safety. National Electrical Codes, Ohm's law, conduit bending, wire pulling, and electrical testing equipment are all topics discussed in the classroom and practiced in the lab.

### Electrical Technology II:

This is a two-hour class for students to continue their electrical technology education. Classroom instruction coupled with hands-on training in the lab involves electric motors, light fixtures, circuit breakers and panel boards. An added bonus is that qualified students are sent around campus to perform various work-orders. These students develop a plan, order materials, select the necessary tools, and do the electrical work while practicing safety and report back to the instructor on the status of the project. Real work using real tools and real electricity!

### Career Prep I:

Career Preparation I provides opportunities for students to participate in a work-based learning experience that combines classroom instruction with business and industry employment experiences.

**Courses in yellow are advanced courses for endorsement purposes.**

