Architecture and Construction Career Cluster

The Architecture and Construction career cluster focuses on designing, planning, managing, building, and maintaining the built environment. This career cluster include construction manager to electrician, plumber and heating, air constitution manager to electrician, plumber and heating, air constitution manager to electrician, plumber and heating, air constitution manager to electrician.

The Electrical program of study focuses on occupational and educational opportunities associated with installing, maintaining, and repairing electrical wiring, equipment, and fixtures. The program of study also addresses installing and repairing telecommunications cable including fiber optics.



• Principles of Architecture

Principles of Construction

Electrical Technology I Entrepreneurship I

Electrical Technology II

Practicum in Entrepreneurship

Practicum in Entrepreneurship + Extended Practicum in Entrepreneurship

Practicum in Construction Technology

Practicum in Construction Technology + Extended Practicum in Construction Technology

Career Preparation for Programs of Study

Career Preparation for Programs of Study + Extended Career Preparation

Dual credit offerings will vary by local education agency.

tudents should be advised to consider these course opportunities to enrich their preparation. AP or IB courses not listed under the Secondary Courses for High School Credit section of this framework document do not count towards concentrator/completer status for this program of study.

- C-200 Certified Industry 4.0 Automation Systems Specialist I—201 Electrical
- Electrical Apprenticeship Certificate Level 1 NCCER Electrical Level II
- (PACT), Basic Electrical
- NCCER Commercial Electrician
- NCCER Construction Technology

- NCCER Core
- NCCER Electrical Level I
- HBI Pre-Apprenticeship Certificate Training NCCER Electronic System Technician Level I
 - NCCER Electronic System Technician Level II.
- HBI Pre-Apprenticeship Certificate Training TRIO Electrical Pre-Apprenticeship (EPP)
 - Industrial Technology Maintenance (ITM) Electrical Systems





Apprenticeships

Associate Degrees

- Electrical and Power Transmission Installation
- Electromechanical Technology

Bachelor's Degrees

- Construction Engineering
- Electrical, Electronic, and Communications
- **Engineering Electrical Engineering**

Master's, Doctoral, and Professional Degrees

- Construction Management

Additional Stackable IBCs/License

- Journeyman Electrician
- Master Electrician

Electricians Helpers

Median Wage: \$38,140icians HeO2 TfO Tc31

Electrical

Course Information

Course	Prerequisites Corequisites	Career Clusters
Principles of Architecture* 13004210 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	 Architecture and Construction Engineering
Principles of Construction* 13004220 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: None Recommended Corequisites: None	▲ 1. Architecture and Construction

Course	Prerequisites Corequisites	Career Clusters
Electrical Technology I 13005600 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Architecture or Principles of Construction Recommended Corequisites: None	onstruction ing
Entrepreneurship I* 13011101 (1 credit)	Prerequisites: None Corequisites: None Recommended Prerequisites: Principles of Business, Marketing and Finance Recommended Corequisites: None	

Course Information

Career Clusters Course Prerequisites | Corequisites Prerequisites: None Recommended Prerequisites: Entrepreneurship I and Entrepreneurship II or successful completion of at least two courses in a CTE program of study Prerequisites: Construction Technology II; Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing 1. Architecture and Construction Technology I; or Mill and Cabinetmaking Recommended Prerequisites: None Building Maintenance Technology II; Electrical Technology II; Heating, Ventilation, and Air Conditioning (HVAC) and Refrigeration Technology II; Plumbing 1. Architecture and Construction

Technology; or Mill and Cabinetmaking Technology

Recommended Prerequisites: None

Prerequisites: At least one Level 2 or higher CTE course

Recommended Prerequisites: None

