



Associate Certified Electronics Technician (CETa)

Certification website: [Ladder of Progression \(etai.org\)](http://ladderofprogression.etai.org)

Credential Summary

The Associate CET (CETa) along with five Electronics Modules (EM1-5) are the foundation for the Journeyman CET program. These certifications make sure a professional has a good understanding of common electronics concepts such as AC, DC, analog, and digital.

Overview

- **Related Instructional Hours:** 800
- **Exam details:** CETa exam
 - Must pass with 75% or better
- **Third party testing provider:** Electronics Technicians Association, Inc (ETA)
- **Exam cost:** \$65
- **Renewal details:** Certification is good for 4 years
 - Renewal is required

Job Opportunities

- **Relevant SOC codes**
 - Electrical and Electronics Installers and Repairers, Transportation Equipment 49-2093
 - Electrical and Electronic Engineering Technologists and Technicians 17-3023
- **Demand information**
 - Average flame ranking = 2.75/5
- **Average Wages**
 - Range from \$66,780 (32.11 per hour) to \$69,650 (33.49 per hour)
(Average wages pulled as of October 2023)

Knowledge, Skills, and Competencies

- Safety Precautions
- Electrical Theory and Electronic Components
- Electric Circuits: Series and Parallel
- Soldering - Desoldering Tools
- Block Diagrams – Schematics – Wiring Diagrams
- Cabling
- Test Equipment and Measurements
- Mathematics and Formulas
- Power Supplies
- Radio (RF) Communications Technology
- Amplifiers
- Interfacing of Electronics Products
- Digital Concepts and Circuitry
- Computer Electronics
- Computer Applications and Software
- Audio and Video Systems
- Optical Electronics
- Telecommunications Basics
- Technician Work Procedures



Post Secondary Relevance

- **Credit for prior learning**
 - IVY Tech credit
- **Next level programs of study**
 - Electronics Fundamentals
 - Engineering Design
 - Digital Electronics
 - Electronics and Computer Technology