



## Industrial and Emerging Technologies

### CTE Certification

“Industrial and Emerging Technologies Occupational Area” means occupations related to work experience in audiovisual communications technologies/technicians; graphic communications (journalism); cosmetology and personal grooming services; electrical engineering technologies/technicians; electromechanical instrumentation and maintenance technologies/technicians; environmental control technologies/technicians; industrial production technologies/technicians; quality control and safety technologies/technicians; mechanical engineering related technologies/technicians; mining and petroleum technologies/technicians; construction engineering technologies; engineering-related technologies; computer engineering technologies/technicians; drafting/design engineering technologies/technicians; security and protective services; mason/masonry; carpenters; electrical and power transmission installers; building/construction finishing, management and inspection; electrical/electronics maintenance and repair technology; heating, air conditioning, ventilation and refrigeration maintenance technology/technician; heavy/industrial equipment maintenance technologies; precision systems maintenance and repair technologies; vehicle maintenance and repair technologies; precision metal working; construction/heavy equipment/earthmoving equipment operation; design and visual communications, general; commercial and advertising art; industrial design; commercial photography; and visual performing arts.

[Guidance on CTE Teacher Certification](#)

### **ADE CTE Approved Programs:**

[Air Transportation](#)

[Aircraft Mechanic](#)

[Architectural Drafting](#)

[Automation and Robotics](#)

[Automotive Collision Repair](#)

[Automotive Technologies](#)

[Bioscience \(also Health Careers/Agriculture\)](#)

[Cabinetmaking](#)

[Carpentry](#)

[Construction Technologies](#)

[Cosmetology](#)

[Diesel Engine Repair](#)

[Digital Animation](#)

[Digital Communications](#)

[Digital Photography](#)

[Digital Printing](#)

[Electrical & Power Transmission](#)

[Electronics Drafting](#)

[Electronic Technologies](#)

[Emergency Medical Services \(also Health Careers\)](#)

[Energy Systems](#)

[Engineering](#)

[Film and TV Production](#)

[Fire Service](#)

[Graphic Design](#)

[Heating, Ventilation, and Air Conditioning](#)

[Heavy Industrial Maintenance](#)

[Heavy Equipment Operations](#)

[Law and Public Safety](#)

[Mechanical Drafting](#)

[Music and Audio Production](#)

[Network Security](#)

[Plumbing](#)

[Precision Machining](#)

[Software and App Design \(also Business and Marketing\)](#)

[Stagecraft](#)

[Technology Devices Maintenance \(also Business and Marketing\)](#)

[Welding Technologies](#)