

INDUSTRIAL ELECTRICIAN 46.0300.30

Program Description, Industry Credentials, Coherent Sequence, and Teacher Certification

PROGRAM DESCRIPTION

The **Industrial Electrician** program prepares individuals to apply technical knowledge and skills to install indoor and outdoor commercial and industrial electrical systems and associated power transmission lines. The **Industrial Electrician** program includes instruction in electricity, safety procedures, wiring, insulation and grounding, schematic blueprint interpretation, equipment operation and maintenance, and applicable codes and standards. The program is designed and delivered as a coherent sequence of experiences using technical instruction, academic foundations, experiential learning, and leadership and personal development through the Career and Technical Student Organization SkillsUSA. This program can lead toward an industry-recognized NCCER credential, OSHA 10, and/or to Registered Apprenticeships.

INDUSTRY CREDENTIALS

The following credentials have been approved for the A-F CCR and are CTED eligible for the **Industrial Electrician** instructional program:

- Independent Electrical Contractors (IEC) – Year 1 Apprenticeship certificate
- National Center for Construction Education and Research (NCCER) – Core
- National Center for Construction Education and Research (NCCER) – Electrical – Level 1
- National Center for Construction Education and Research (NCCER) – Electrical – Level 2
- National Center for Construction Education and Research (NCCER) – Powerline Worker – Level 1
- OSHA 10 – Construction Industry

COHERENT SEQUENCE

46.0300.12 - Industrial Electrician I **and**

46.0300.30 - Industrial Electrician II **and program may elect to add:**

46.0300.35 - Industrial Electrician III **or**

46.0300.70 - Industrial Electrician – DCE (Diversified Cooperative Education) **or**

46.0300.75 - Industrial Electrician - Internship **or**

46.0300.80 - Industrial Electrician – Cooperative Education

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TEACHER CERTIFICATION REQUIREMENTS

CAREER PREPARATION: The instructor must be ADE/CTE certified according to the following Certificates PCTIET, SCTIET, SSCTEET

Note:

- **Industrial Electrician 46.0300.70** may be a part of the sequence and the teacher must hold a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator **46.0300.75** is not required to have a Cooperative Education Endorsement (CEN).
- Teacher/Coordinator **46.0300.80** is required to have a Cooperative Education Endorsement (CEN).

CERTIFICATE TYPES

PCTIET	Provisional Career and Technical Education Industrial and Emerging Technologies
SCTIET	Standard Career and Technical Education Industrial and Emerging Technologies
SSCTEET	Standard Specialized Career and Technical Education Industrial and Emerging Technologies