

Electrician Certificates: 22 - 30 credit hours



ABOUT

Delgado offers Certificates of Technical Studies in Residential, Commercial and Small Industrial Electrician. All programs contain practical (hands-on) training integrated with theory and study of the National Electrical Code, which prepares students to take a national licensure exam. Upon completion of each program, students are eligible to receive the National Center for Construction and Education Research (NCCER) Core and Electrical Level 1 certifications. Students who complete all electrician programs will receive NCCER Electrical Levels 1-4 certifications.

Commercial - Commercial electricians may design electrical systems from blueprints or install conduit and run electrical wiring in commercial buildings such as retail stores, schools, and office buildings.

Residential - Residential electricians are responsible for installing and repairing all electrical wiring in a residential setting.

Small Industrial - The Small Industrial Electrician program prepares students to install, service, and repair wiring, conduits, fixtures and other electrical devices and systems in an industrial setting.

CAMPUS

Sidney Collier: Residential
Jefferson Site: Residential and Commercial
River City Site: Small Industrial

CAREER INFORMATION

Outlook: 5% increase in jobs by 2026

LA Star Rating: 5-stars

Salary: \$51,085/year or \$24.56/hour

PROGRAM CONTACT

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FINANCIAL AID ADVISOR

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PROGRAMS

Electrician-Residential, CTS; 24 credit hours

Electrician-Commercial, CTS; 30 credit hours

Electrician-Small Industrial, CTS; 30 credit hours

PROGRAM SEQUENCE

Residential Semester 1

ELEC 102 Electrical Calculations 3-0-3/45

ELEC 103 Electrical Blueprints 3-0-3/45

ELEC 112 Basic Electricity 2-8-4/150

ELEC 123 National Electric Code I 4-0-4/60

TECH 101 NCCER Technical Core 3-3-3/90

Residential Semester 2

ELEC 131 Residential Wiring & Installation

2-8-5/150

Pre-Requisites: ELEC 102, 103, 112, 123 & TECH 101

Commercial and Small Industrial Semester 1

ELEC 102 Electrical Calculations 3-0-3/45

ELEC 103 Electrical Blueprints 3-0-3/45

ELEC 112 Basic Electricity 2-8-4/150

ELEC 124 National Electric Code II 4-0-4/60

TECH 101 NCCER Technical Core 3-3-3/90

Commercial Semester 2

ELEC 141 Commercial Wiring

2-8-4/150

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101

ELEC 120 Electrical Raceways

2-4-3/90

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101

ELEC 133 Motors, Generators, & Transformers

2-4-3/90

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101

Small Industrial Semester 2

ELEC 120 Electrical Raceways

2-4-3/90

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101

ELEC 202 Industrial Wiring

1-6-2/105

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101

ELEC 208 Digital Logic Functions

2-6-4/120

Small Industrial Semester 3

ELEC 144 Motor Controls

1-6-2/105

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101

ELEC 252 Solid State Theory

1-3-2/60

Pre-Requisites: ELEC 102, 103, 112, 124 & TECH 101