

The Career Certificate (C.C.) in Electricity (Construction) prepares students for a rewarding career in the all-encompassing electrical industry.

The program provides instruction on the concepts of AC and DC, how to read blueprints, the use of hand and power tools, electrical wiring and maintenance and National Electric Code requirements. Through hands-on experience in the lab, students will develop good work habits that will help them gain skills required for the electrical industry.

<input checked="" type="checkbox"/> Task
<input type="checkbox"/> Complete an academic degree plan with your program advisor.
<input type="checkbox"/> Follow up with an advisor about any prior credits that you may have earned (e.g., coursework, military experience, work experience, licensure/certification exams, etc.).
<input type="checkbox"/> Satisfy the career certificate graduation requirements.

## Career Options

You will attain the knowledge and skills needed for such career options as Maintenance Technician, Electrical/Instrumentation Technician, Technician II - Power or Industrial Temperature Control/Management Trainee.

**Related Career Pathways** include the following: Electricity Apprentice or Electrical Apprentice or Electrical Helper.

**Note:** If you are considering employment in a state other than Florida, please visit <https://www.fscj.edu/academics/license-disclose> to determine if this program will meet the selected state's requirements to sit for licensure or certification testing.

## Articulation

Upon successful completion of the program, students may receive articulated college credit toward the Industrial Management Technology (A.S.) degree.

## Application Procedure

Students must follow the application procedure outlined in the current College Catalog.

## Advising

[trades@fscj.edu](mailto:trades@fscj.edu).

## Sample Roadmap

This roadmap provides general guidance about required courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog and class schedules for additional information. **Full-time students** will refer to the term-by-term recommendations, and **part-time students** will take courses in the order listed.

### Term 1: Fall

<input checked="" type="checkbox"/>	Course: Course Title	Contact Hours	Weeks Per Course
<input type="checkbox"/>	BCV 0603C: Electrician Helper	300	8
<input type="checkbox"/>	BCV 0640C: Residential Electrician	450	12

### Term 2: Spring

<input checked="" type="checkbox"/>	Course: Course Title	Contact Hours	Weeks Per Course
<input type="checkbox"/>	BCV 0652C: Commercial Electrician	450	12

## Total Program Hours

Students considering a Career Certificate in **Electricity (Construction)** should be aware that the program requires **1200 contact/clock hours** that must be completed and documented. Students should also understand and accept the attendance requirements prior to enrolling in this career certificate program. This career certificate program **is eligible** for financial aid.

## Important for you to Know

**Full-time program** classes begin in the Fall Term and are held Monday through Thursday, 7 a.m-5:30 p.m. for eight months.

## Adult Basic Skills

Adult Basic Skills are a major criterion in students' completion of the program. For additional information, please see an advisor.

## Program Learning Outcomes

Upon completing this program, students will be able to:

- Read and apply information obtained from blueprints and wiring schematics
- Safely use hand and power tools associated with a career in electricity
- Demonstrate a thorough understanding of AC and DC theory
- Identify tools, equipment and materials to safely complete a job on a worksite
- Demonstrate necessary skills in residential wiring
- Demonstrate and apply knowledge of National Electrical Code (NEC)
- Demonstrate the necessary skills to function in the commercial electrical installation environment
- Apply skills obtained from conduit bending experience and conduit installations, as well as commercial lighting systems installations