

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 to become a journeyman or master electrician.

<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 Office Manager/Permit Processor.

Advising

(904) 633-8292 or trades@fscj.edu.

Recommended Roadmap

This roadmap provides general guidance about recommended courses. For specific guidance about your individual academic degree plan, please see an advisor. Also refer to the College Catalog for additional information. **This program is offered for full-time student enrollment.**

This roadmap has been mapped for students entering the program in the 2022-2023 academic year. Students who began the program in an earlier catalog year should visit their advisor for individual assistance.

<input checked="" type="checkbox"/>	Course: Course Title	Contact Hours	Number of Weeks Per Course	Available Modalities
<input type="checkbox"/>	BCV 0603C: Electrician Helper	300	8	On-Campus
<input type="checkbox"/>	BCV 0640C: Residential Electrician	450	12	On-Campus
<input type="checkbox"/>	BCV 0652C: Commercial Electrician	450	12	On-Campus

Total Program Contact 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 Electricity (Construction) clock-hour program is eligible for financial aid.

Important for You to Know

Test of Adult Basic Education: The Test of Adult Basic Education (TABE) is a major criterion in students' completion of the program. To earn the Career Certificate, students must achieve or surpass the [designated exit score\(s\) on the TABE](#) or qualify for a [TABE Waiver](#). Students with prior coursework, test scores or licensing may qualify for a [TABE Waiver](#) and can visit or contact any FSCJ [Assessment and Certification Center](#) to have the waiver processed and added to their individual student record. For students who do not meet the required TABE scores and who therefore need assistance to meet this exit requirement, the College offers remediation in basic skills through [Adult Education](#).

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