



[CTEELECERT; CIP Code 46.0302]

Academic Certificate

The Electrical Technician Certificate will provide students with a solid foundation in the electrical trade. By introducing basic electrical theory, safety practices, tools, and the skills necessary for the profession, the Certificate aims to equip students with the essential knowledge and practical experience required for a successful entry into the electrical field. The combination of classroom instruction and hands-on labs ensures that students not only learn theoretical concepts but also develop the practical skills needed for real-world applications. This Certificate prepares students for either an entry-level position in the electrical field or to advance their skills for an apprenticeship program.

Program Learning Outcomes

Students who have completed the program should be able to:

- Produce and Analyze Electrical Blueprints and Designs
- Understand basic electrical theory and safety procedures
- Apply theory and design principles to the design and implementation of safe electrical systems and wiring.

Program Contact

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Program Instructor
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Electrical Specialist, CERT

FIRST YEAR – Fall Semester

☐ ENGL 101 English Composition I <i>or</i> ENGL 101E Enhanced English Composition I	3-4
☐ ETEC 118 Tools and Measurements	1
☐ CISM 101 Introduction to Computers	4
☐ COMG 100 Introduction to Construction Technology	4
☐ ETEC 105 Blueprint Reading/Sketching	2
	14-15

Spring Semester

☐ ELEC 101 Electrical Foundations	3
☐ MATH 100 Foundations of Mathematics I	3
☐ ELEC 104 Electrical Essentials	3
	9

SECOND YEAR – Fall Semester

☐ BUSN 105 Personal and Professional Branding	1
☐ ELEC 107 Advanced Electrical Foundations I	3
☐ ELEC 108 Advanced Electrical Foundations II	3
	7

TOTAL MINIMUM CREDITS: 30

Program Notes

ELEC 101 is a prerequisite of **ELEC 104** each course is offered in the 7A & 7B week sessions. To earn the NCCER Electrical Level 1 certificate and wallet card, students must successfully complete **ELEC 101** and then **ELEC 104** course.

ELEC 107 is a prerequisite of **ELEC 108** each course is offered in the 7A & 7B week sessions. To earn the NCCER Electrical Level 2 certificate and wallet card, students must successfully complete **ELEC 107** and then **ELEC 108** course.

This nationally industry transferable certification is designed to equip students with the knowledge needed for safe and effective work in the electrical field.

✦ Are you ready to get started
at RCSJ? Visit [RCSJ.edu/Enroll](https://www.rcsj.edu/Enroll)
and complete the interest form. ✦