



[CTEPLBCERT; CIP Code 46.0503]

Academic Certificate

The Plumbing Specialist Certificate will provide students with the skills and technical knowledge required to become proficient in the plumbing trade. The Certificate covers a broad range of topics, including pipe installation, water distribution systems, drainage, waste and vent systems, plumbing codes and regulations, and system troubleshooting. Students will gain hands-on experience with various tools and equipment, learning to install, repair, and maintain plumbing systems in residential, commercial, and industrial settings. Emphasis is placed on understanding and applying safety protocols, working with different materials such as copper, PVC, and galvanized steel, and ensuring compliance with local and national building codes.

Program Learning Outcomes

Students who have completed the program should be able to:

- Understand the materials, techniques and systems used in the plumbing industry.
- Apply Plumbing system design techniques in both residential and commercial plumbing.
- Identify the tools, equipment and materials for correct usage in all types of plumbing applications.

Program Contact

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

Plumbing Specialist, CERT

FIRST YEAR – Fall Semester

❑ ENGL 101 English Composition I or 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

❑ PLMB 101 Plumbing Foundations	3
❑ MATH 100 Foundations of Mathematics I	3
❑ PLMB 104 Plumbing Essentials	3
	9

SECOND YEAR – Fall Semester

❑ BUSN 105 Personal and Professional Branding	1
❑ PLMB 108 Advanced Plumbing Foundations I	3
❑ PLMB 109 Advanced Plumbing Foundations II	3
	7

TOTAL MINIMUM CREDITS: 30

Program Notes

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

PLMB 108 is a prerequisite of **PLMB 109** each course is offered in the 7A & 7B week sessions. To earn the NCCER Plumbing Level 2 certificate and wallet card, students must successfully complete **PLMB 108** and then **PLMB 109** course.

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