



[CER-WIND; CIP Code 150699]

### Certificate

This program will provide students thorough knowledge and understanding of fluid hydraulic systems; electrical machinery; mechanical operations; computer and information technology skills; wind turbine operation, maintenance, installation and assembly; and safety, through a combination of classroom and/or online lecture and hands-on laboratory learning modules. .

### Program Learning Outcomes

Students who have completed this program will be able to:

- Understand the fundamental principles of wind turbine operation and apply these principles to wind turbine design, installation, repair, design, and maintenance.
- Recognize operation, design, and maintenance issues for wind turbine installation, maintenance, and repair.
- Utilize critical thinking to problem solve in wind turbine installation, maintenance, and repair

### Program Contact

Luis Almeyda, Director,  
Wind and Renewable Energy  
[lalmeyda@rcsj.edu](mailto:lalmeyda@rcsj.edu)

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started at RCSJ? ✦  
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# Wind Power and Turbine Technology, CERT

## FIRST YEAR — Fall Semester

<input type="checkbox"/> ENG 101 English Composition I	3
<input type="checkbox"/> MAT 107 Pre-Calculus and Mathematics Analysis	4
<input type="checkbox"/> ETEC 107 Circuits I	3
<input type="checkbox"/> ETEC 218 Programmable Logic Controllers	3
<input type="checkbox"/> ETEC 240 Pneumatic and Hydraulic Automation	4
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## Spring Semester

<input type="checkbox"/> CIS 110 Fundamentals of Programming	4
<input type="checkbox"/> WIND 101 Offshore Safety and Survival	3
<input type="checkbox"/> WIND 110 Wind Power Technology	3
<input type="checkbox"/> WIND 115 Wind Power Operations and Maintenance	4
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**TOTAL CREDITS: 33**