

Offshore Wind Power Technician

Degree offered

Certificate of Recognition in Offshore Wind Power Technician

Credits required 28

Dean

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Program contact

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Program Code:OW

Program Goals Statement

This certificate prepares students as technicians for the offshore wind power industry. Students learn aspects of applied technology such as electrical machinery, fluid systems, materials science and gain hands-on experience with assembly, installation, operation and maintenance of wind power systems.

Student Learning Outcomes

See Learning Outcomes

Program Information

- Students develop practical skills associated with the operation, maintenance and troubleshooting of mechanical systems (hydraulics, pneumatics, mechanisms, and wind power devices).
- EGR 162, EGR 182 and many marine and wind industry careers require good physical health and the ability to swim and/or climb. Students with issues in these areas should discuss them with the program coordinator before enrollment.

After BCC

- Graduates work as turbine and foundation installers and operation and maintenance (O&M) technicians in the land-based or offshore wind industry or in a variety of marine trades professions at the technical level.

Program Requirements

Certificate Courses

EGR 151	Electrical Machinery	3 credits
EGR 162	Marine Safety	1 credit
EGR 171	Fluid Systems	4 credits
EGR 172	Material Science	4 credits
EGR 182	Wind Industry Safety	2 credits
EGR 282	Wind Power Technology	4 credits
EGR 283	Wind Power Operations and Maintenance	4 credits
ENG 101	Composition I: College Writing	3 credits
MTH 152	College Algebra	3 credits

Recommended Course Sequence - Fall Semester 1

EGR 151	Electrical Machinery	3 credits
EGR 162	Marine Safety	1 credit
EGR 171	Fluid Systems	4 credits
EGR 182	Wind Industry Safety	2 credits
MTH 152	College Algebra	3 credits

Recommended Course Sequence - Spring Semester 2

ENG 101	Composition I: College Writing	3 credits
EGR 172	Material Science	4 credits
EGR 282	Wind Power Technology	4 credits
EGR 283	Wind Power Operations and Maintenance	4 credits

