



Offshore Wind Power Technology Certificate

Program: Engineering

Program Code:

WD

Academic Area:

Science, Technology, Engineering and Mathematics

Type:

Certificate of Accomplishment

CIP Code:

15.1701

Program Statement

This certificate program is aimed towards preparing technicians and skilled workers for the offshore wind industry. Participants will learn topics in electrical machinery, fluid systems, operations and maintenance, and offshore safety and survival and will gain hands-on experience on assembly, installation, and maintenance of wind power systems. The program also enables participants to study wind turbine performance characteristics in a wind tunnel to make them conversant with wind turbine operation and need for maintenance.

Hints for Success

Successful completion of this program requires participants to be able to identify the challenges with offshore wind turbines O&M and design cost-effective and practical solutions.

After Bristol

Graduates will have the option to enhance their qualification by enrolling in Associate in Sciences programs at Bristol, enroll in GWO certifications, and apply to work as offshore wind turbine technicians.

Program Requirements

Course #	Title	Credits
EGR 151	Electrical Machinery	3
EGR 171	Fluid Systems	4
EGR 281	Offshore Safety and Survival	4
EGR 282	Wind Power Technology	4
EGR 283	Wind Power Operations and Maintenance	4
SCI 112	Principles of Ecology	4



Recommended Course Sequence - Semester 1

Course #	Title	Credits
EGR 151	Electrical Machinery	3
EGR 171	Fluid Systems	4
SCI 112	Principles of Ecology	4

Recommended Course Sequence - Semester 2

Course #	Title	Credits
EGR 282	Wind Power Technology	4
EGR 283	Wind Power Operations and Maintenance	4
EGR 281	Offshore Safety and Survival	4
	Total credits:	23