

WIND POWER SCIENCE, ENGINEERING AND POLICY GRADUATE CERTIFICATE

Wind power is a rapidly evolving field, crossing multiple academic disciplines and areas of study. This intricacy demands scientists, scholars, and professionals who understand the complex relationships between wind turbines, the environment, regulations, and society.

UD's Wind Power Science, Engineering and Policy graduate certificate is designed to provide a broad understanding of wind power development from an institution known for its cutting-edge, collaborative, and interdisciplinary education and research.

Students enrolled in the certificate program will have the opportunity to study a range of topics, including:

- ▶ The meteorology of wind power
- ▶ Factors governing selection of optimum sites to locate wind power projects
- ▶ Wind turbine mechanical and electrical systems
- ▶ Integration of variable power generation into the electrical grid
- ▶ Economics and regulatory policies governing wind power
- ▶ The complex ways in which society's understanding and acceptance of renewable energy power generation can impact wind projects

The graduate certificate program is ideal for:

- ▶ Current UD graduate students who are looking to formalize their wind power expertise
- ▶ Students focused on one specific area of wind power research who want to broaden their understanding of interacting systems
- ▶ Working professionals looking to understand more about the wind industry



UNIVERSITY OF DELAWARE
**EARTH, OCEAN &
ENVIRONMENT**

CReW
Center for Research in Wind

PROGRAM DETAILS AND ADMISSION REQUIREMENTS

Admission to the graduate certificate program requires an undergraduate degree from an accredited university or college.

The certificate course of study may be taken in conjunction with a graduate degree in a traditional discipline at the University or as a stand-alone program. Some courses may be taken remotely, but others are offered only via in-class attendance at UD's Newark or Lewes campuses.



To attain the certificate, 12 credits must be completed as follows:

- ▶ 3 credits from the required course Offshore Wind Power: Science, Engineering and Policy
- ▶ A total of 6 credits from courses within the focus areas of Wind Power Science, Wind Power Engineering and Wind Power Policy
- ▶ 3 credits from elective wind power courses

FOR MORE INFORMATION

crew.udel.edu/graduate-certificate-program

Dr. John Madsen
jmadsen@udel.edu
302-831-1608