

WINDSMITH, CERTIFICATE

Windsmith, Certificate

Overview

Our Windsmith Certificate is designed to introduce the Wind Energy Industry to individuals wanting to increase their working knowledge of this field. Those best suited have previous work experience in mechanical or electrical fields.

Locations

Canby,Online

The Windsmith Certificate is a 16 credit theory based program offered online with the exception of one course [ELWT 1170](#) Wind Energy OSHA Standards & Climb Lab are offered only at the Canby Campus and are required for completion of the Certificate. Students can begin in either the Fall or Spring and can complete all 16 credits in just one semester or choose to take courses over multiple semesters.

This certificate will introduce students to how the wind works, its reliability, and the related economic, environmental, and political issues. Students will also be introduced to the basic operating principles of wind energy systems and status of the industries past and future. OSHA safety regulations and standards that pertain to the construction and maintenance of wind turbines and the energy industry will also be covered. In addition, concepts of AC and DC circuits, as well as basic hydraulic applications are incorporated into the Windsmith Certificate.

Course Number	Course Title	Credits
ELCO 1110	AC/DC I	3
ELCO 1120	AC/DC II	3
ELEC 2200	Low Voltage	2
ELWT 1101	Introduction to Wind Energy	2
ELWT 1170	Wind Energy OSHA Standards & Climb Lab	3
DSL 1130	Hydraulics Theory and Application	3
	TOTAL CREDITS	16