



Program of Study
Career Field: Industrial, Manufacturing and Engineering Systems
Career Cluster: Manufacturing
Career Pathway: Maintenance, Installation, and Repair



Northeast Community College

DEGREE:
 Wind Energy

<http://www.northeast.edu/Degrees-and-Programs/Wind-Energy>

	GRADE	ENGLISH	MATH	SCIENCE	SOCIAL STUDIES	GENERAL ELECTIVES	PATHWAY ELECTIVE COURSES	EXTENDED LEARNING SCHOOL/COMMUNITY ACTIVITIES			
HIGH SCHOOL	9	English/Language Arts I	Algebra I	Physical Science	Geography	World Languages and Cultures Physical Education Health Education Information Technology Applications I Entrepreneurship CAD (Computer Aided Drafting) Principles of Design Principles of Construction Housing and Home Furnishings	Intro to the Built Environment The Language of Architecture and Construction Principles of Maintenance and Operations	<i>School Activities:</i> SkillsUSA, OPPD/NPPD Power Drive, FFA, Math Club, MATHCOUNTS <i>Community Activities:</i> Do home repair projects Learn about history of the buildings in your community Work with a contractor Part-time employment within career cluster			
	10	English/Language Arts II	Geometry	Biology	World History						
	11	English/Language Arts III	Algebra II	Chemistry or other science course	American History						
	12	English/Language Arts IV	Intro to Statistics Discrete Math Pre-Calc	Physics	American Government or Economics						
NORTHEAST COMMUNITY COLLEGE		COMMUNICATIONS	MATH	SCIENCE	SOCIAL SCI/HUMANITIES	DEGREE REQUIREMENTS	MAJOR COURSES				
	13	Business Communication	Applied Mathematics I				Basic Electricity and Lab	Wind Energy Fundamentals	Wind Turbine Systems	Blue Print Reading	Mechanical Systems for Wind Energy
							Fluid Fundamentals Theory and Lab	Electrical and Operations Safety for Wind Energy	Motor Controls Theory and Lab	Cooperative Internship	