MINNESOTA WEST COMMUNITY & TECHNICAL COLLEGE  
COURSE OUTLINE

Faculty members are required to have the outline submitted to the Academic Affairs Office. The course outline is the form used for approval of new courses by the Academic Affairs and Standards Council.

DEPT. ELWT COURSE NUMBER: 1170

NUMBER OF CREDITS: 2 Lecture: 0 Lab: 2

Course Title:
Wind Energy OSHA Standards & Climb Lab

Catalog Description:
Instruct students regarding basic safety principles in the wind energy industry with a brief overview of the Occupational Safety and Health Administration (OSHA), focus on OSHA regulations and standards that pertain to the climbing of wind turbines, instruct students on how to properly inspect equipment before climbing and properly store climbing equipment after each use.

FULFILLS MN TRANSFER CURRICULUM AREA(S) (Leave blank if not applicable)
Goal 1: Communication: by meeting the following competencies:
Goal 2: Critical Thinking: by meeting the following competencies:
Goal 3: Natural Sciences: by meeting the following competencies:
Goal 4: Mathematics/Logical Reasoning: by meeting the following competencies:
Goal 5: History and the Social and Behavioral Sciences: by meeting the following competencies:
Goal 6: The Humanities and Fine Arts: by meeting the following competencies:
Goal 7: Human Diversity: by meeting the following competencies:
Goal 8: Global Perspective: by meeting the following competencies:
Goal 9: Ethical and Civic Responsibility: by meeting the following competencies:
Goal 10: People and the Environment: by meeting the following competencies:

Prerequisites or Necessary Entry Skills/Knowledge:
None
### Topics to be Covered (General)
- OSHA standards according to the wind industry
- Personal Protective Equipment
- Climbing gear inspection
- Ladder safety
- Working heights
- How to climb a wind turbine properly and safely

### Student Learning Outcomes
- Inspect the full body harness.
- Inspect the Lad Safe cable sleeve.
- Inspect the lanyard.
- Describe how to fit the harness.
- Describe how to attach the Lad Safe cable sleeve to the cable.
- Describe how to safely attach the lanyard to a tie off point.
- Develop a technique on how to climb a 300 foot ladder.
- Explain PPE and other safety gear.
- Describe OSHA’s rules about ladder safety.

### Is this course part of a transfer pathway:
- Yes ☐
- No ☒

*If yes, please list the competencies below*