

# ENERGY TECHNOLOGIES, SKILLS CERTIFICATE

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## Wind Energy Technician

The Wind Energy Technician Skills Certificate will prepare students for entry-level positions as small wind turbine service technicians. Students will inspect, diagnose, adjust, and repair wind turbines, and perform maintenance on wind turbine equipment including resolving electrical, mechanical, and hydraulic malfunctions. Students must pass all coursework with a score of 70% or higher.

These courses may not transfer to a baccalaureate degree of art or science within the universities in the Nevada System of Higher Education (NSHE).

### Certificate Outcomes

Students completing the certificate will:

- Examine the basics of electricity and wind energy fundamentals.
- Describe wind turbine system components, including sizing principles.
- Apply the principles of site assessment and electromechanical designs.

Skills Certificates provide training for entry level positions or career advancement and are designed to prepare students to take state, national and/or industry-recognized certifications or licensing exams. Skills certificates are awarded upon completion of coursework and marked on a student's transcripts at the end of the semester (Student are unable to declare intent to complete a skills certificate.) Skills Certificates are not eligible for Financial Aid.

To earn a skills certificate, students must:

1. Maintain a minimum cumulative GPA of 2.0
2. Have no financial or library obligation to the college

Code	Title	Units
<b>Certificate Requirements</b>		
ENRG 150	Introduction to Wind Energy	3
ENRG 152	Wind Energy Technologies	3
MT 108	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	3
OSH 222	General Industry Safety	1
Total Units		10
<b>1st semester</b>		<b>Units</b>
ENRG 150	Introduction to Wind Energy	3
ENRG 152	Wind Energy Technologies	3
MT 108	Fluid Power (Pneumatics, Hydraulics, Instrumentation)	3
OSH 222	General Industry Safety	1
Semester Total		10
Total Units		10