SKILLS CERTIFICATE - SOLAR ENERGY TECHNICIAN

The solar energy technician skills certificate will prepare students for entry-level positions as solar photovoltaic (PV) installers. Students will assemble, install, or maintain solar photovoltaic systems on roofs or other structures in compliance with site assessment and schematics. This may include measuring, cutting, assembling, and bolting structural framing and solar modules; and the student may perform minor electrical work such as current checks. 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:

- Explain the basics of safety, electricity, and solar energy fundamentals.
- Examine PV module fundamentals and system components, including sizing principles.
- Apply PV system electrical and mechanical design principles.

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

Certificate Requirements

ENRG 120	Fundamentals of Energy Efficiency	3
ENRG 130	Introduction to Solar Energy	3
ENRG 132	Solar Photovoltaic Technologies	3
OSH 222	General Industry Safety	1
Total Units		10

Course	Title	Units
1st semester		
ENRG 120	Fundamentals of Energy Efficiency	3
ENRG 130	Introduction to Solar Energy	3
ENRG 132	Solar Photovoltaic Technologies	3
OSH 222	General Industry Safety	1
	Semester Total	10
	Total Units	10