RENEWABLE ENERGY CAREERS

There are approximately 7.7 million jobs associated with renewable energy industries world-wide. Some popular careers include:

Wind-Turbine Technician
Maintain, troubleshoot and repair wind turbines

Solar Installer
Set-up and maintain solar panels on commercial and residential buildings

Clean Car Engineer
Work on vehicles that run on electricity, hydrogen, and other alternative fuels such as natural gas

Sustainable Builder
Design buildings and houses that are environmentally sustainable – from architects and engineers to carpenters and heavy equipment operators

Sustainability Professional
Redesign existing buildings to be more energy efficient, sustainable, and resilient

ELIGIBILITY

As a Program of Emphasis, Winter Springs High School Renewable Energy is open to:

- Students zoned for Wimter Springs High School
- Out of zone students on an approved Program of Emphasis transfer
  - Limited to incoming 9th grade students

For specific eligibility and application information, please visit the Student Assignment and Program Access website:
www.seminoleschoolchoices.us

TRANSPORTATION

- Transportation is provided to eligible in-zone students living more than two miles from the school.
- Transportation is not provided for out-of-zone Program of Emphasis students.
- Approved out-of-zone transfer students may apply for transportation through the Ticket to Ride program (***bit.ly/SCPSTicketToRide***). Through this program it is possible that a student may be granted access to pre-existing bus routes (pending space availability). This program does not create bus stops or bus routes and is not guaranteed for the duration of the transfer.

EDUCATIONAL e pathways™ SEMINOLE COUNTY PUBLIC SCHOOLS

STUDENT ASSIGNMENT AND PROGRAM ACCESS
SEMINOLE COUNTY PUBLIC SCHOOLS

FOR APPLICATION INFORMATION
400 E. Lake Mary Blvd.
Sanford, FL 32773
407-320-0329
www.seminoleschoolchoices.us

WINTER SPRINGS BEARS

FOR PROGRAM INFORMATION
130 Tuskawilla Road
Winter Springs, FL 32708
407-320-8750
www.winterspringshs.scps.k12.fl.us

Rev.10/2018

Winter Springs High School

WINTER SPRINGS BEARS

RENEWABLE ENERGY

Program of Emphasis

SEMINOLE COUNTY PUBLIC SCHOOLS

THE FUTURE IS BRIGHT

Students participating in the Winter Springs High School Renewable Energy Program of Emphasis have the opportunity to learn first-hand about this growing industry.

Students apply concepts from science, engineering, and design to solve complex problems related to renewable energy. The goal of this program is to prepare students to be successful in this emerging STEM career field.

Areas of study include:

- Solar Cells
- AC and DC Electricity
- Inverters and Circuits
- Energy Storage and Installation

RENEWABLE ENERGY

Renewable energy is generated from natural processes that are continuously replenished. This includes:

- Sunlight (Solar)
- Geothermal Heat
- Wind
- Tides (Water)
- Biomass (renewable organic matter, including biological material derived from living, or non-living organisms)

The Renewable Energy Program of Emphasis at Winter Springs exposes students to emerging technologies related to energy. The program provides an overview of renewable and nonrenewable energy resources reflecting how energy impacts the environment and the economy from regional, state, national and global perspectives.

"I love the Renewable Energy program because I'm learning how to help preserve the environment through hands-on projects and activities that focus on energy efficiency, solar and wind power."

Nakayla W.
WSHS Student

DUAL ENROLLMENT

Seminole State offers an **Alternative Energy Certificate** that is 18 credit hours. Several of the courses that are required for the certificate can be taken as dual enrollment classes through the Winter Springs Renewable Energy Program. Once students graduate and complete the certificate at SSC, it can be transferred to a four-year university.

The dual enrollment courses are:

- Solar Photovoltaic (PV) Systems
- Solar Thermal Systems
- Alternative Energy Sources

SEMINOLE STATE COLLEGE OF FLORIDA