General Unmanned Aircraft Systems Specialist Training

The growth rate for the Unmanned Aircraft Systems (UAS) industry will create new opportunities for training and career advancement. There is a critical shortage of skilled workers to support this growing industry not only on Delmarva, but all across the United States.

Through a partnership with Sentinel Robotic Solutions, UAV Solutions, Quality Staffing Services, and the Lower Shore Workforce Alliance, Wor-Wic Community College is offering an unmanned vehicle training course funded by a Maryland EARN grant.

For information about course content & schedule, contact Wor-Wic at (410) 334-2815 or visit their website at http://www.worwic.edu/Academics/ContinuingEducation/unmannedvehicle.aspx.

To be considered for the training, please contact Quality Staffing Services at (410) 742-2600 or visit their website, easternshorejobs.com, and apply for “Unmanned Vehicle Training.”

This course introduces students to the history of unmanned aircraft systems and current and future developments in civil and military operations. Learning objectives include elements that form an unmanned aircraft system: unmanned vehicles, communication, navigation, launch and recovery, control stations, payloads, and support equipment. Other current issues in unmanned aircraft operations will be explored: aviation regulatory system and integration, safety and human factors, ethical and legal issues, and the future unmanned aircraft systems. In addition to classroom instruction, students will also receive in-class flight simulator experience to reinforce the learning objectives and prepare them for the hands on field experience.

The Unmanned Aircraft Systems Specialist course prepares students for entry level employment in UAS manufacturing industries, law enforcement applications, and other industries.

Tuition is free thanks to funds received from EARN Maryland, a grant program of the Maryland Department of Labor, Licensing and Regulation.

Graduates of this program should be able to:

1. Understand how the National Airspace system is structured;
2. Understand pre-flight, mission phase, and post-flight operations theory;
3. Demonstrate an understanding of crew management;
4. Understand various engine types and internal components;
5. Understand legal and ethical issues in UAS operations with regard to right to privacy;
6. Demonstrate the effects weather may have on flight operations.

*Note: This course does not provide flight instruction and does not count toward official formal flight training.