



BlueRidge

COMMUNITY AND
TECHNICAL COLLEGE

Stormwater & Green Infrastructure Workforce Development Forum
National Conservation Training Center, Shepherdstown, WV
September 11, 2019

Environmental Science Technician Program

- 30 Credit Certificate and AAS Degree
- Two Concentrations – Environmental Science Technician and Occupational Safety
- Training students for careers with consulting services, government, and laboratories
- HS Graduates, Career Changers and those currently employed who need training
- West Virginia Invest Approved Program – little to no cost
- Advanced Grants and Learn and Earn Grants for those employed and training

Applied UAS Technologies

- Training Technicians to apply drones in everyday uses
- Prepares students for careers with consulting services, government, and private sector- construction, maintenance, and energy.
- HS Graduates, Career Changers and those currently employed who need training
- West Virginia Invest Approved Program – little to no cost
- Advanced Grants and Learn and Earn Grants for those employed and training

Applied Laboratory Tech/ Quality Assurance Techs

- Training Technicians for routine laboratory or field testing
- Prepares students for careers with consulting services, government, and manufacturing.
- HS Graduates, Career Changers and those currently employed who need training
- West Virginia Invest Approved Program – little to no cost
- Advanced Grants and Learn and Earn Grants for those employed and training

Income Potentials

- Labor Statistics 2019 – www.bls.gov
 - Environmental Technicians - \$44,000/yr.
 - Occupational Safety - \$44,000/yr.
 - UAS Technicians - \$44,380/yr.
 - Applied Laboratory Technicians /Quality Assurance Techs - \$48,000/yr.

West Virginia Employers

Learn and Earn Grants Advanced Grants



Environmental Science Technician – Environmental Studies

General Education Core

- CAS 111 - Information Literacy (3) OR
- PSYC 203 - ~Introduction to Psychology (3)
- COMM 205 - ~Professional Communications (3)
- ENGL 101 - ~Written English (3) OR
- ENGL 110 - ~Technical Writing & Communication (3)
- MATH 101 - ~Introduction to Mathematics (3) OR
- MATH 102 - Technical Mathematics (3)
- SOCI 215 - ~Human Relations (3)

Subtotal Credit Hours Required 15

Environmental Science Technology Core

- CAD 108 - Geographic Information Systems (2)
- ENVT 101 - Environmental Science (3)
- ENVT 105 - Intro to Safety (1)
- ENVT 140 - Industrial Hygiene (3)
- ENVT 150 - Air and Water Permits (3)
- LTEC 101 - Laboratory Technician I (4)
- LTEC 111 - Laboratory Technician III (2)

Subtotal Credit Hours Required 18

Applied UAS Technologies

General Education Core

- ENGL 110 - ~Technical Writing & Communication (3)
- ENVT 101 - Environmental Science (3)
- GEOL 101 - ~Geological Sciences (4)
- MATH 114 - ~Elem Probability & Statistics (3)
- SOCI 215 - ~Human Relations (3)

Applied UAS Technologies Core

- ENVT 220 - Environmental Software (3)
- ENVT 230 - Geoscience Studies (3)
- UAS 101 - Intro to Drone Applications (2)
- UAS 102 - Drone Operations I (3)
- UAS 103 - Drone Operations II (3)
- UAS 105 - Introduction to GIS (3)
- UAS 201 - Private Pilot Ground School (3)
- UAS 205 - Environmental GIS (3)
- UAS 206 - GIS for Urban Planning (3)
- UAS 230 - Aviation Meteorology (3)
- UAS 240 - Drone Imaging (3)
- UAS 270 - Drone Project Planning (3)

Applied Laboratory Tech/Quality Assurance Techs

Applied Laboratory Technician

- 30 Credit Certificate and AAS Degree
- Two Concentrations – Analytical and Microbiology
- Training students for careers in manufacturing and government laboratories

Quality Assurance Technician (QAT) Training

- Customized training in laboratory techniques and instrumentation, safety, and process quality.
- Good option for career changes or those who already have a bachelor's degree
- HEAPS approved

Environmental Science

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Applied UAS Technologies

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Education

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