Get Started on your Exploration

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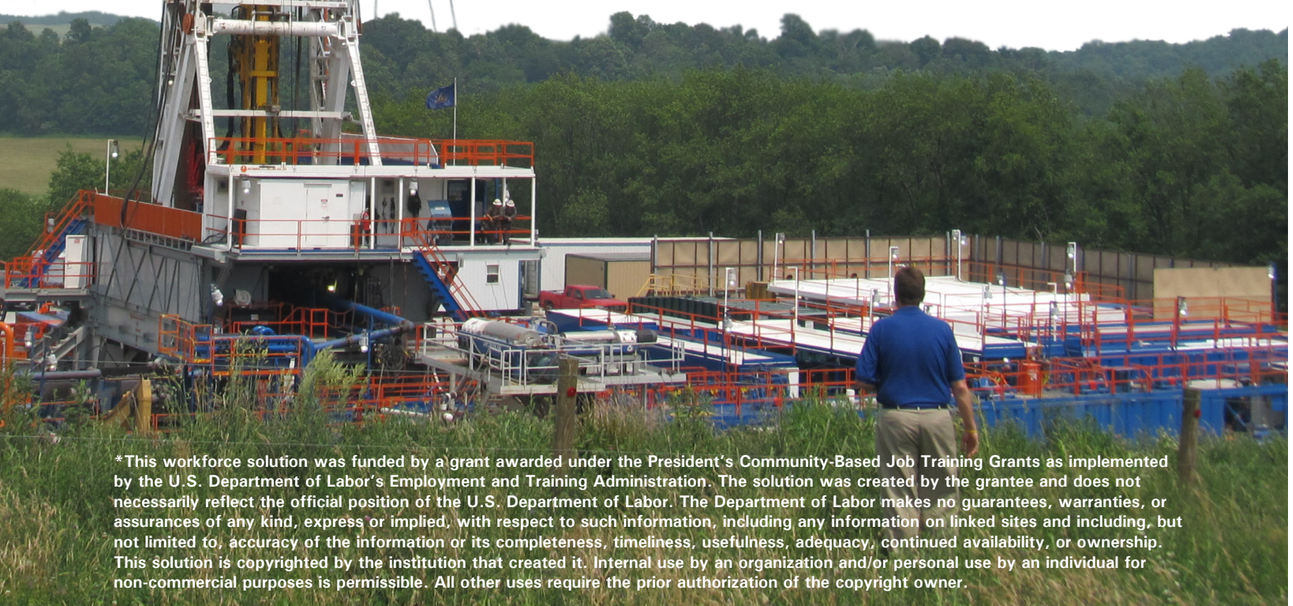
To schedule an appointment,
contact Dan Durfee at (740) 588-1282
or our Admissions Office at (740) 588-1226 or
(800) 686-8324, ext. 1226

ZANE STATE COLLEGE

Energize Appalachian Ohio*
at Zane State College



*This workforce solution was funded by a grant awarded under the President's Community-Based Job Training Grants as implemented by the U.S. Department of Labor's Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.

Energy and Environmental Programs at

ZANE STATE COLLEGE

Explore your options for a well-paying future in the energy industry

Explore

	Description	Outcomes	Curriculum Sampling
Alternative Energy Technology (AET) Explore a field that gives you the flexibility to enter a variety of alternative energy careers.	Alternative/renewable energy careers are an integral part of our emerging economy. Southeastern Ohio is known for its vast natural resources, and today is becoming an area where alternative energy in the form of solar and geothermal energy is more apparent. The Alternative Energy Technology program helps you gain experience in these new careers while working in a state-of-the-art laboratory.	The Alternative Energy program helps you develop the primary skills needed to enter a variety of careers, including energy conservation and management, and the design, installation, and maintenance of alternative energy systems focusing on solar, wind, and geothermal energy.	Introduction to Energy Resources • Engineering Technology Computer Applications • Freshman Composition College Success Strategies Algebra • The Science of Energy Blueprint Reading • Industrial Electricity • Technical Writing Statistics Energy Management • Solar Power-PV Introduction to Geothermal Energy • Industrial Mechanics • Social & Behavioral Science Elective
Electrical/Electronics Engineering Technology* (EET) Explore a field that positions you as a high-demand, well-paid employee in the energy industry.	The demand for electronics technicians far exceeds supply. As a result, wages and benefits for electronics technicians rank among the top for two-year graduates. You will study in modern labs using state-of-the-art measurement and diagnostic equipment manufactured by companies such as Tektronix, Agilent, and Hewlett-Packard.	The EET program prepares electronic engineering technicians to: • Design • Build • Troubleshoot • Repair • Maintain • Program electrical and electronic equipment	D.C. Circuit Analysis I • Engineering Technology Computer Applications • Freshman Composition College Success Strategies • Electronic Communications D.C. Circuit Analysis II • Electronic Devices Technical Writing • Algebra & Trigonometry I Chemistry • Programmable Controllers • A.C. Circuit Analysis Algebra & Trigonometry II • Physics I Digital Circuits & Microprocessors • Algebra • AutoCAD I
Environmental, Science, Safety and Health (ENV) Explore a field that positions you for success in the environmental field.	The ENV program gives you the skills to ensure a safe environment as we balance the protection of our air, land, and water with economic development. You will have access to the latest in analytical equipment, such as spectrophotometers, ion selective analysis instruments, portable test kits, and meters. You will also utilize sites such as wildlife areas, state parks, wetlands, lakes and rivers for learning experiences.	The ENV program prepares you to assist biologists, chemists, and engineers in the areas of water and wastewater treatment; surface and ground water monitoring; wetlands ecology and biomonitoring; air quality monitoring; management, transportation, disposal, and storage of solid and hazardous wastes, and domestic and industrial health and safety.	Biology and the Environment • Field Zoology & Ecology Soil & Water Conservation • Earth Science Remote Sensoring and Cartography • Chemistry Water Sampling & Analysis • Air Sampling & Analysis Groundwater Hydrology • Solid & Hazardous Waste Management Drinking Water Treatment 3
Natural Gas Engineering Technology (NGT) Explore a field that puts you on track to enter an energy sector that has abundant job prospects.	The oil and gas industry requires employees trained to ensure that its complex systems run smoothly and safely. The NGT program includes classroom, laboratory, and field experiences in natural gas exploration, drilling, well completion, production and processing, and distribution. The NGT program will focus on the development of the natural gas reserves in the Appalachian Basin including the Marcellus and Utica Shale.	The NGT program prepares you for careers with: • Major and independent oil and gas companies • Field equipment companies • Well service companies • Consulting firms • State and federal agencies	Natural Gas Distribution and Compression Petroleum Geology • Oil and Gas Reservoirs Industrial Mechanics • Drilling Methods/Operations Field Services • Natural Gas Production Mineral Rights and Leases • Internship World Regional Geography • Physics Introduction to Mechanical Modeling • General Chemistry

*Upon completion of the EET program, graduates can become a certified engineering technician by passing the NICET exam. Those completing the networking component of the curriculum may sit for the Cisco Certified Network Associate (CCNA) exam. The Electrical/Electronics Engineering Technology program is a TAC/ABET accredited program (Technology Accreditation Commission of the Accreditation Board for Engineering and Technology, 111 Market Place, Suite 1050, Baltimore, MD 21202-4012), phone 1-410-347-7700.