

ADVANCED ENERGY CONCENTRATION



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The energy industry powers our world, and it needs engineers. Smart and innovative engineers who want to improve the environment and contribute to humankind. When you add an advanced energy concentration to your computer engineering, electrical engineering or mechanical engineering major, you can prepare for success in the evolving energy industry.

AT ONU, YOU CAN:

- Take specialized courses in energy conversion, power systems, smart grid, renewable energy and more
- Tackle a senior capstone project in the energy field. Past projects include designing a photovoltaic solar panel system for a Haitian village or working on a feasibility study for generating power from a solar array on ONU's campus
- Land a co-op or internship at one of the biggest players in the energy industry, like Marathon Petroleum or American Electric Power, which may lead to an offer of full-time employment
- Engage in a summer research experience at a national lab for an organization such as the Department of Energy



DEREK BLUBAUGH, BSEE '15

"ONU offered cool classes on renewable energy and smart grid, which are the futures of the energy field. My professors connected me with many different companies, and that led to me being hired by AEP."

Derek Blubaugh, BSEE '15, majored in electrical engineering with an advanced energy concentration. As a member of the Dean's Team, he got the chance to connect with many successful engineering professionals. For his senior capstone, he worked on a fun project to design and build a solar-powered boat that competed in Solar Splash. A co-op experience arranged by ONU at American Electric Power (AEP) led to an offer of full-time employment after graduation. Today, Derek is an engineer associate at AEP in Gahanna, Ohio, where he helps ensure that energy is safely and reliably delivered to customers.

OHIO NORTHERN UNIVERSITY

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