The associate in Applied Science in Engineering Technology at Ohio University Lancaster is a two-year program that was developed in response to the great demand expressed by manufacturers for skilled technicians and engineering technologists.

**Program Description**

The Engineering Technology program is designed to offer students a technical foundation needed to help solve complex problems by exposing them to real-world applications using hands-on lab courses. Students are taught a variety of manufacturing processes and their related materials as well as skilled in quality analysis tools (Lean), occupational safety and electronics. A large focus within the program is on the importance of automated equipment. Concentration is on programming and troubleshooting computer numerical control (CNC) equipment and programmable logic controllers (PLC’s) for robotics.

**Career Opportunities**

The various topics of the Associate in Applied Science degree provides the student with a wide variety of career opportunities. With much of the program’s focus on automation this degree prepares students as an electrical technician for programmable logic controllers (PLC’s) and electric motors and controls. Such graduates may work for manufactures or field service providers to set up and trouble shoot sensors, automated equipment, and robots to ensure productivity. Job titles may include industrial systems technician, automation specialist or engineering technician. Some may be involved in equipment sales. Through this program students are also prepared for a career as a testing technician, safety technician or production quality technician.
Degree Requirements
The Engineering Technology (ENGT) major program requires a minimum of 61 hours.

Major Requirements
Complete the following courses for all tracks of the program:

ET 1100 Engineering Graphics Fundamentals - Credit Hrs: 2.0
ENGT 1100 Introduction to ENGT - Credit Hrs: 0.5
ENGT 1190 Manufacturing Materials and Processes - Credit Hrs: 4.0
ENGT 1200 Basic Electronics - Credit Hrs: 4.0
ENGT 2100 Engineering Technology Career Prep - Credit Hrs: 0.5
ENGT 2170 Computer Numerical Control Processing - Credit Hrs: 3.0
ENGT 2200 Basic Hydraulics and Pneumatics - Credit Hrs: 3.0
ENGT 2210 Programmable Controllers, Instrumentation and Process Control I - Credit Hrs: 3.0
ENGT 2230 Automation and Robotics - Credit Hrs: 3.0
ENGT 2250 Programmable Controllers, Instrumentation and Process Control II / Motors - Credit Hrs: 3.0
ENGT 2630 Process Control - Credit Hrs: 3.0
ENGT 2850 Lean Enterprise - Credit Hrs: 3.0
ENGT 2870 Safety Management - Credit Hrs: 3.0
Complete a minimum of 3.0 credit hours of electives.

General Education and Core Requirements
CTCH 1250 Introduction to Computers - Credit Hrs: 3.0
COMS 1030 Fundamentals of Public Speaking - Credit Hrs: 3.0
ENG 1510 Writing and Rhetoric - Credit Hrs: 3.0
MATH 1200 College Algebra - Credit Hrs: 4.0
PHYS 2001 Introduction to Physics - Credit Hrs: 4.0
One course required. Choose between MATH 2500 Introduction to Statistics OR CHEM 1210 Principles of Chemistry - Credit Hrs: 4.0
One Tier II Humanities and Literature Course (2HL)

Admission requirements
To qualify for admission, a student must be a high school graduate or have completed the requirements for the GED. Visit www.ohio.edu/lancaster/futurestudents/admissions.cfm for more information.

Student Services
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