

Zane State College – Ohio University Plan

Engineering Technology and Management Program Pathway

Ohio University Lancaster offers a two-year program leading to an Associate of Applied Science with a major in engineering technology. 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 skills in quality analysis tools (Lean), occupational safety, mechatronics, robotics, and automation. A large focus equipment mechatronics and robotics and automation. Concentration is on programming, troubleshooting, and repair of manufacturing equipment and systems. The various topics of the Associate of Applied Science degree provide the student with a wide variety of career opportunities. This degree prepares students as an electrical technician, mechatronics technician, and robotics and automation technician. Graduates may work for manufacturers or field service providers to set up and troubleshoot sensors, automated equipment, and robots to ensure productivity. Job titles may include industrial systems technician, automation specialist, or engineering technician, safety technician, and others.

The engineering track provides students with the opportunity to pursue baccalaureate programs offered by the Ohio University Russ College of Engineering and Technology. Students should discuss with their advisors the career pathway that best suits their individual interests.

Admission Requirements

- No additional requirements beyond University admission requirements for freshman or transfer admission.
- Transfer applicants must have a cumulative grade-point average of 2.0 or higher from all institutions previously attended to be considered for admission.
- Official transcripts sent directly to Ohio University from all colleges and universities you have attended. If you have completed fewer than 20 semester hours or 30 quarter hours of university or college coursework, you must also submit your high school transcript for evaluation.

Application Information

Apply online ohio.edu/admissions/apply

Students can complete this program on Athens campus.

Submit all college-level transcripts to:

Undergraduate Admissions

Ohio University

Chubb Hall 120

1 Ohio University Drive

Athens, OH 45701

Ohio University Contact Information

Undergraduate Admissions

740.593.4100

E-mail general questions to

transfer@ohio.edu

For more information visit www.ohio.edu/zane-state



OHIO
UNIVERSITY

Undergraduate Admissions
Chubb Hall 120
1 Ohio University Drive
Athens OH 45701-2979

T: 740.593.4100
www.ohio.edu

Graduation Pathway: Zane State College Advanced Integrated Manufacturing Technology Certificate to Ohio University Engineering Technology Major

Zane State College Advanced Integrated Manufacturing Technology Certificate Courses

Courses that may satisfy Ohio University BRICKS General Education requirements are inside brackets [].

Zane State College Courses	Semester Hours	OHIO University Equivalent Course
ISET 2500 Programmable Logic Controllers	3.0	ENGT 2210
ITCS 1010 Introduction to Networking	3.0	CTCH 1600
MECH 2600 Machine Design	3.0	ENGT 1500
MECH 2550 Computer-Aided Machining	3.0	ENGT 2170
MECH 2800 Robotics	3.0	ME 2XXL
Industrial Internet of Things	3.0	
MECH 1000 Engineering Graphics	3.0	ET 1100
ISET 1100 Industrial Electricity	3.0	ENGT 1200
MECH 2500 Hydraulics and Pneumatics	3.0	ENGT 2200
MECH 1200 Manufacturing Processes	3.0	ETM 1100
MECH 1150 Tools, Measurement, and Layout	2.0	
ISET 2400 Motors and Controls	3.0	
Total	35.0	

Engineering Technology Major Required General Courses and Major Requirements

General Education Requirements for Applied Associate Degrees

Courses completed through Zane State College or OHIO.

General education requirement courses that may also satisfy program requirements are inside brackets ([]). HIST courses marked with an asterisk (*) will automatically equate to fill Pillars Humanities Texts and Contexts, but may alternately equate to fill Pillars Social and Behavioral Sciences. Students completing Ohio University's applied associate degrees are required to complete 15 credit hours of Ohio Transfer 36-approved coursework including:

OHIO Course Name	OHIO Course Number	Zane State College Course Number
Writing and Rhetoric I	[ENG 1510]	[ENGL 1500]
Fundamentals of Public Speaking	[COMS 1030]	[COMM 2610]
College Algebra	[MATH 1200]	[MATH 1040], [MATH 1250], or [MATH 1340]
Statistics and Probability	[MATH 2500]	
Introduction to Physics	[PHYS 2001]	[PHYS 2010]
Complete one of the following (3 credit hours) to fulfill OHIO BRICKS requirements: Humanities: Texts and Contexts (PHTC) Humanities: Arts (PHA) Social or Behavioral Sciences (PSBS)	[AH 2110], [ECON 1030], [ECON 1040], [ECON 1030], [ECON 1040], [ENG 2520], [ENG 2540], [HIST 1320], [HIST 1210], [HIST 1220], [HIST 2000], [HIST 2010], [PHIL 1010], [PHIL 1300], [POLS 1010], [PSY 1010], or [SOC 1000]	[ARTS 1010], [BUSM 1510], [BUSM 1520], [ECON 1510], [ECON 1520], [ENGL 2520], [ENGL 2600], [HIST 1100*], [HIST 1110*], [HIST 1200], [HIST 1210], [PHIL 1010], [PHIL 1020], [POLS 1010], [PSYC 1010], or [SOCL 1010]



College-Level Requirements for the Russ College of Engineering and Technology

Courses completed through Zane State College or OHIO.

OHIO Course Name	OHIO Course Number	Zane State College Course Number
Introduction to Computers	CTCH 1250	BMCA 1010

Engineering Technology and Management Core Requirements

Courses completed through Zane State College or OHIO.

Complete the following courses with a grade of C or better:

OHIO Course Name	OHIO Course Number	Zane State College Course Number
Introduction to Engineering Technology	ENGT 1100	
Manufacturing Materials and Processes	ENGT 1190	
Basic Electronics	ENGT 1200	ISET 1100
Machine Repair	ENGT 1500	MECH 2600
Career Preparation in Engineering Technology	ENGT 2100	
Computer Numerical Control Machining Principles	ENGT 2170	MECH 2550
Basic Hydraulics and Pneumatics	ENGT 2200	MECH 2500
Programmable Controllers, Instrumentation and Process Control I	ENGT 2210	EEET 2210 or ISET 2500
Automation and Robotics	ENGT 2230	
Programmable Logic Controllers II and Motor Controls	ENGT 2250	
Automation and Robotics II	ENGT 2330	
Process Control	ENGT 2630	
Lean Enterprise	ENGT 2850	
Engineering Graphics Fundamentals	ET 1100	MECH 1000

Engineering Technology Major Degree Requirements

To qualify for the Associate of Applied Science or the Associate of Applied Business degree is the completion of 60 credits with a 2.0 accumulative GPA in both the major area of study and all course work attempted at Ohio University. The Engineering Technology major program requires a minimum of 61 hours. A maximum of 15 credits earned through prior learning assessment may be applied to any technical associate degree. You must earn a minimum of 18 semester credit hours while enrolled at Ohio University, and you must earn a minimum of 50 percent of coursework taken to fulfill your major concentration in residence with resident credit as defined in the [Graduation Requirements – University wide section](#). You also must meet Ohio University [BRICKS](#) requirements for associate degrees. (See Graduation Requirements – University wide section) To earn a technical associate degree, you must complete an Application for Update of Program(s), available from any college office or regional campus student services office.

Ohio University BRICKS General Education Requirements

Students completing Ohio University's applied associate degrees are required to complete 15 credit hours of Ohio Transfer 36-approved coursework including: Written Communication, Quantitative Reasoning, and Pillars or Arches. To complete the minimum 15 credit hours of Ohio Transfer 36-approved coursework, students may also complete OHIO's Ohio Transfer 36- approved Second Writing course, ENG 2800 - Writing with Research or OHIO's Ohio Transfer 36-approved Oral Communication course, COMS 1030 - Fundamentals of Public Speaking. The [General Education equivalency guide](#) lists Zane State College courses that have direct course equivalencies at Ohio University which meet OHIO's general education requirements.



Disclaimer:

The information on this guide is based on the catalog requirements posted in the 2025-2026 Ohio University catalog and related Zane State College equivalents as of the Last Updated date. All information is subject to change without notice. Students must complete a minimum of 60 total semester hours, are responsible for tracking their degree completion on their DARS, and are encouraged to work with an Ohio University academic advisor in their degree planning. Courses are subject to availability at each institution. It is suggested that students meet with an advisor to discuss course selection based on offered options.

Last Updated: 5/1/2025



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