

Zane State College – Ohio University Plan

Engineering Technology Major (A.A.S.) Program Pathway

Ohio University Lancaster offers a two-year program leading to an Associate in 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](#) (\$50 non-refundable application fee due at application)

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 on the partnership with Zane State College, visit <https://www.ohio.edu/zane-state-college>



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Graduation Pathway: Zane State College Integrated Manufacturing Technology Certificate to Ohio University Engineering Technology Major (A.A.S.)

Zane State College Courses Integrated Manufacturing Technology Certificate

An asterisk (*) designates a course substitution, not a course equivalent.

A tilde sign (~) designates a requirement waiver, not a course equivalent.

OHIO courses that may satisfy Ohio University BRICKS General education requirements are inside brackets [].

Semester 1 Zane State College	Semester Hours	Ohio University Equivalent Course
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
Total	9.0	

Semester 2 Zane State College	Semester Hours	Ohio University Equivalent Course
MECH 1200 Manufacturing Processes	3.0	ETM 1100
MECH 1150 Tools, Measurement, and Layout	2.0	
ISET 2400 Motors and Controls	3.0	
Total	8.0	

Engineering Technology Major (A.A.S.) Required General Courses and Major Requirements

General Education Requirements for Applied Associate Degrees

Courses completed through Zane State College or OHIO.

Students completing Ohio University's applied associate degrees are required to complete 15 credit hours of Ohio Transfer 36-approved coursework including:

Semester 3 Ohio University	Semester Hours
[ENG 1510] Writing and Rhetoric I	3.0
[COMS 1030] Fundamentals of Public Speaking	3.0
[MATH 1200] College Algebra	4.0
[MATH 2500] Statistics and Probability	4.0
[PHYS 2001] Introduction to Physics	4.0
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)	3.0

Non-Major Required Course(s)

Courses completed through Zane State College or OHIO.

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

OHIO Course Name	Semester Hours
CTCH 1250 Introduction to Computers	3.0



Engineering Technology Major Requirements

Core Curriculum

Courses completed through Zane State College or OHIO.

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

OHIO Course Name	Semester Hours
ENGT 1100 Introduction to Engineering Technology	0.5
ENGT 1190 Manufacturing Materials and Processes	3.0
ENGT 1200 Basic Electronics (<i>satisfied with ISET 1100</i>)	4.0
ENGT 1500 Machine Repair	3.0
ENGT 2100 Career Preparation in Engineering Technology	0.5
ENGT 2170 Computer Numerical Control Machining Principles	3.0
ENGT 2200 Basic Hydraulics and Pneumatics (<i>satisfied with MECH 2500</i>)	3.0
ENGT 2210 Programmable Controllers, Instrumentation and Process Control I (<i>satisfied with ISET 2400</i>)	3.0
ENGT 2230 Automation and Robotics	3.0
ENGT 2250 Programmable Logic Controllers II and Motor Controls	3.0
ENGT 2330 Automation and Robotics II	3.0
ENGT 2630 Process Control	3.0
ENGT 2850 Lean Enterprise	3.0
ET 1100 Engineering Graphics Fundamentals (<i>satisfied with MECH 1000</i>)	3.0

Associate in Applied Science of Science in Engineering Technology Major Degree Requirements

To qualify for the Associate in Applied Science (A.A.S.) or the Associate in Applied Business (A.A.B.) 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 – Universitywide section](#). You also must meet Ohio University [BRICKS](#) requirements for associate degrees. (See Graduation Requirements - Universitywide 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 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 College Name courses that have direct course equivalencies at Ohio University which meet OHIO's general education requirements.

Zane State College Elective Courses: Students should refer to the [General Education equivalency guide](#) and consult with their advisor when selecting electives to transfer to Ohio University's BRICKS General Education requirements.



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Course substitutions or waivers: Course substitutions or waivers will occur during a student's first term of enrollment at Ohio University, upon notification from the program coordinator to the Office of Regional Higher Education. Substitutions or waivers may fulfill a specific course or program requirement.

Disclaimer:

The information on this guide is based on the catalog requirements posted in the 2023-2024 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: **8/24/2023**



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