



## Belmont College – Ohio University Plan

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### Engineering Technology and Management 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.

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### 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 <https://admissions.ohio.edu/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

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### Ohio University Contact Information

#### Undergraduate Admissions

740.593.4100

#### E-mail general questions to

[transfer@ohio.edu](mailto:transfer@ohio.edu)

For more information visit [www.ohio.edu/belmont-college](http://www.ohio.edu/belmont-college)

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## Graduation Pathway: Belmont College Process Control Certificate to Ohio University Engineering Technology Major

### Belmont College Industrial Electronics Technology Courses

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

| Semester 1 Belmont College   | Semester Hours | OHIO University Equivalent Course |
|------------------------------|----------------|-----------------------------------|
| EIE 1301 Electrical Circuits | 4.0            |                                   |
| EIE 1201 Digital Electronics | 4.0            | EE 1XXL                           |
| ENG 1110 Composition I       | 3.0            | [ENG 1510]                        |
| MAT 1130 College Algebra     | 4.0            | [MATH 1200]                       |
| <b>Total</b>                 | <b>15.0</b>    |                                   |

| Semester 2 Belmont College          | Semester Hours | OHIO University Equivalent Course |
|-------------------------------------|----------------|-----------------------------------|
| CPT 2247 C++ Programming            | 3.0            |                                   |
| BUS 1125 Supervision and Management | 3.0            | BMT 1500                          |
| MAT 1140 Trigonometry               | 4.0            | [MATH 1322]                       |
| PHY 1110 Physics I                  | 5.0            | [PHYS 2001]                       |
| <b>Total</b>                        | <b>14.0</b>    |                                   |

## Engineering Technology Major Required General Courses and Major Requirements

### General Education Requirements for Applied Associate Degrees

Courses completed through Belmont 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 and Foundations Intercultural Explorations. Work with your academic advisor to make adjustments

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  | Belmont College Course Number   |
|---|---|---|
| Writing and Rhetoric I  | [ENG 1510]  | [ENG 1110]  |
| Fundamentals of Public Speaking   | [COMS 1030]   | [COM 1115] or [COM 1120]  |
| College Algebra   | [MATH 1200]   | [MAT 1130]  |
| Statistics and Probability  | [MATH 2500]   |   |
| Introduction to Physics   | [PHYS 2001]   | [PHY 1110]  |
| Complete one of the following (3 credit hours) to fulfill OHIO BRICKS requirements: Humanities: Texts and Contexts (PHTC)<br>Humanities: Arts (PHA)<br>Social or Behavioral Sciences (PSBS) | [AH 2110], [ECON 1030], [ECON 1040], [ENG 2510], [ENG 2530], [ENG 2540], [HIST 1210], [HIST 1220], [HIST 2000], [HIST 2010], [MUS 1250], [PHIL 1010], [PHIL 1300], [POLS 1010], [PSY 1010], or [SOC 1000] | [ART 2110], [ECN 1110], [ECN 1120], [ENG 2110], [ENG 2112], [ENG 2120], [ENG 2122], [HIS 1110*], [HIS 1112*], [HIS 2110], [HIS 2112], [MUS 2110], [PHL 2120], [PHL 2130], [POL 2110], [PSY 1120], or [SOC 1110] |



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

Required combined 2.0 GPA for business minor.

Courses completed through Belmont College or OHIO.

| OHIO Course Name          | OHIO Course Number | Belmont College Course Number |
|---------------------------|--------------------|-------------------------------|
| Introduction to Computers | CTCH 1250          | CPT 1100                      |

### Engineering Technology and Management Core Requirements

Courses completed through Belmont College or OHIO. Complete the following courses with a grade of C or better:

| OHIO Course Name  | OHIO Course Number | Belmont College Course Number |
|---|--------------------|-------------------------------|
| Introduction to Engineering Technology                          | ENGT 1100          |                               |
| Manufacturing Materials and Processes                           | ENGT 1190          |                               |
| Basic Electronics   | ENGT 1200          |                               |
| Machine Repair  | ENGT 1500          |                               |
| Career Preparation in Engineering Technology                    | ENGT 2100          |                               |
| Computer Numerical Control Machining Principles                 | ENGT 2170          |                               |
| Basic Hydraulics and Pneumatics                                 | ENGT 2200          | EIE 2310                      |
| Programmable Controllers, Instrumentation and Process Control I | ENGT 2210          |                               |
| 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            | ECE 1120                      |

### 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.



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## 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 Belmont College courses that have direct course equivalencies at Ohio University which meet OHIO's general education requirements.

### Belmont 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.

### Disclaimer:

The information on this guide is based on the catalog requirements posted in the 2024-2025 Ohio University catalog and related Belmont College equivalents as of the Last Updated date. All information is subject to change without notice. Students must complete a minimum of 120 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: 7/22/2024**



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