

This roadmap is a recommended semester-by-semester plan of study for this major. However, courses and milestones designed as critical (!) must be completed in the semester listed to ensure a timely graduation.

| Critical | Course Subject and Title | Credit Hours | Min. Grade | Major GPA | Attribute | Notes |
|---------------------------------------|--|--------------|------------|-----------|-----------|-------|
| Semester One [19 Credits] | | | | | | |
| ! | MERT 12000 Engineering Drawing | 3 | | ■ | | |
| ! | MERT 12004 Manufacturing Processes | 3 | | ■ | | |
| | BMRT 11000 Introduction to Business | 3 | | ■ | | |
| | MATH 11010 Algebra for Calculus | 3 | | | KMC | |
| | MATH 11022 Trigonometry | 3 | | | KMC | |
| | US 10097 Destination Kent State: First Year Experience ¹ | 1 | | | | |
| | Kent Core Requirement | 3 | | | | |
| Semester Two [18 Credits] | | | | | | |
| ! | MERT 12001 Computer-Aided Drafting | 3 | | ■ | | |
| ! | MERT 12005 Properties of Materials | 3 | | ■ | | |
| | MATH 19002 Technical Mathematics II | 4 | | ■ | | |
| | PHY 13001 General College Physics I | 4 | | | KBS | |
| | PHY 13021 General College Physics Laboratory I | 1 | | | KBS | |
| | Kent Core Requirement | 3 | | | | |
| Semester Three [15-17 Credits] | | | | | | |
| ! | EERT 12000 Electric Circuits I | 4 | | ■ | | |
| ! | CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming or EERT 22003 Technical Computing | 3 | | | | |
| ! | MERT 22009 Engineering Technology Project | 2 | | ■ | | |
| | ENG 20002 Introduction to Technical Writing or ITAP 26638 Business Communications | 3 | | | | |
| | PHY 13002 General College Physics II (4) or PHY 13012 College Physics II (2) | 2-4 | | | KBS | |
| | PHY 13022 General College Physics Laboratory II | 1 | | | KBS | |
| Semester Four [19 Credits] | | | | | | |
| ! | EERT 12001 Electric Circuits II | 3 | | ■ | | |
| ! | EERT 12010 Introduction to Electronics | 4 | | ■ | | |
| ! | TECH 33031 Programmable Logic Controllers | 3 | | ■ | | |
| | COMM 15000 Introduction to Human Communication | 3 | | | KAD | |
| | MERT 22012 Fluid Power | 3 | | ■ | | |
| | Kent Core Requirement | 3 | | | | |

Graduation Requirements Summary

| Minimum Total Hours | Minimum | |
|---------------------|-----------|-------------|
| | Major GPA | Overall GPA |
| 71 | 2.000 | 2.000 |

1. US 10097 is not required of transfer students with 25 credits (excluding College Credit Plus and dual-enrollment) or students age 21+ at time of admission.

Available at the Tuscarawas Campus only.

University Requirements: Applied and technical associate degree-seeking students must fulfill selected Kent Core (general education requirements). For more information about this requirement, please read the following section in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core.

Attribute Legend: DD Diversity–Domestic; DG Diversity–Global; ELR Experiential Learning; KAD Kent Core Additional; KBS Kent Core Basic Sciences; KCM Kent Core Composition; KFA Kent Core Fine Arts; KHU Kent Core Humanities; KMC Kent Core Mathematics and Critical Reasoning; KSS Kent Core Social Sciences; WIC Writing Intensive