Roadmap: Electrical/Electronic Engineering Technology - Computer - Associate of Applied Science



RE-AAS-EEET-CMPR

Regional College

Catalog Year: 2015-2016

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 |
|----------|--|-----------------|---------------|--------------|-----------|-------|
| Semeste | r One [17 Credits] | 110 0 | 01000 | | | |
| ! | EERT 12000 Electric Circuits I | 4 | | | | |
| ! | MERT 12000 Engineering Drawing | 3 | | | | |
| | CS 10061 Introduction to Computer Programming or DSCI 15310 Computational Thinking and Programming or EERT 22003 Technical Computing | 3 | | | | |
| | MATH 11010 Algebra for Calculus | 3 | | | KMC | |
| | US 10097 Destination Kent State: First Year Experience ¹ | 1 | | | | |
| | Kent Core Requirement | 3 | | | | |
| Semeste | r Two [19 Credits] | | | | | |
| ! | EERT 12001 Electric Circuits II | 3 | | | | |
| ! | EERT 12010 Introduction to Electronics | 4 | | | | |
| | ENG 20002 Introduction to Technical Writing (3) or ITAP 26638 Business Communications (3) | 3 | | | | |
| | MATH 11012 Intuitive Calculus | 3 | | | KMC | |
| | MATH 11022 Trigonometry | 3 | | | KMC | |
| | Kent Core Requirement | 3 | | | | |
| Semeste | Three [14-16 Credits] | | | | | |
| ! | EERT 22011 Electronic Systems | 2 | | | | |
| ! | EERT 22014 Microprocessors and Robotics | 3 | | | | |
| ! | Electrical/Electronic Engineering Technology ² | 3 | | | | |
| | COMM 15000 Introduction to Human Communication | 3 | | | KAD | |
| | PHY 12201 Technical Physics I (3) or PHY 13001 General College Physics I (4) and PHY 13021 General College Physics Laboratory I (1) | 3 - 5 | | | KBS | |
| Semeste | r Four [18-19 Credits] | | | | | |
| ! | EERT 22015 Robotics and Advanced Microsystems | 3 | | | | |
| ! | EERT 22004 Digital Systems | 4 | | - | | |
| ! | MERT 22009 Engineering Technology Project | 2 | | | | |
| | PHY 12202 Technical Physics II (4) or PHY 13012 College Physics II (2) and PHY 13022 General College Physics Laboratory II (1) | 3 - 4 | | | KBS | |
| | Kent Core Requirement | 3 | | | | |
| | General Studies Elective ³ | 3 | | | | |

Graduation Requirements Summary

| Minimum Total Hours | Minimum | | |
|----------------------|-----------|-------------|--|
| Willimum Total Hours | Major GPA | Overall GPA | |
| 69 | 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.
- 2. Electrical/Electronic Engineering Technology (3 credit hours)

| Choose from the following: | | | | | | | |
|---|---|--|--|--|--|--|--|
| EERT 22002 Industrial Controls (3) | EERT 22005 Electronic Instrumentation (3) | | | | | | |
| EERT 22018 PC/Network Engineering and Troubleshooting (3) | EERT 32005 Instrumentation (3) | | | | | | |
| TECH 33016 PC/Network Engineering and Troubleshooting (3) | | | | | | | |

3. Select course from Kent Core Humanities and Fine Arts; students of the Tuscarawas Campus must take EERT 21010 or TECH 31010 Engineering and Professional Ethics due to ABET accreditation.

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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