# KENT STATE UNIVERSITY

Roadmap: Mechanical Engineering Technology – Systems –
Associate of Applied Science
[RE-AAS-MERT-SYST]
Regional College
Catalog Year: 2010-2011

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

| Course Subject and Title | Credit Hours | Min. Grade | Important Notes |
|---|---|---|---|
| **Semester One: [16 Credit Hours]** | | | |
| **IERT 22010 Computer Integrated Manufacturing** | **3** | | |
| **MERT 12000 Engineering Drawing** | **3** | | |
| EERT 22003 Technical Computing | 3 | | |
| ENG 11011 College Writing I | 3 | | |
| MATH 11010 Algebra for Calculus | 3 | | |
| US 10097 Destination Kent State: FYE | 1 | | Not required of transfer students with 25 credits |
| **Semester Two: [16 Credit Hours]** | | | |
| **IERT 12005 Applications in Computer-Aided Design** | **2** | | |
| **MERT 12001 Computer-Aided Drafting** | **3** | | |
| **MERT 12005 Properties of Materials** | **3** | | |
| COMM 15000 Introduction to Human Communication | 3 | | |
| MATH 11012 Intuitive Calculus | 3 | | |
| MATH 11022 Trigonometry | 2 | | |
| **Semester Three: [19 Credit Hours]** | | | |
| **EERT 22014 Microprocessors and Robotics** | **4** | | |
| **MERT 12004 Manufacturing Processes** | **3** | | |
| **Technical Concentration Elective** | **6** | | **See note below** |
| ENG 20002 Introduction to Technical Writing *or* ITAP 26638 Business Communication | 3 | | |
| PHY 12201 Technical Physics I | 3 | | |
| **Semester Four: [16 Credit Hours]** | | | |
| **MERT 22009 Robotics and Flexible Automation** | **3** | | |
| **Technical Concentration Elective** | **5-7** | | **See note below** |
| PHY 12202 Technical Physics II | 4 | | |
| Kent Core Social Science or Humanities | 3 | | Tuscarawas students must take EERT 21010 Engineering and Professional Ethics |
| General Elective | 0-1 | | Number of credits required depends on meeting minimum 67 credit hours |

## Graduation Requirements Summary

| Minimum Total Hours | Minimum | |
|---|---|---|
| | Major GPA | Overall GPA |
| 67 | 2.00 | 2.00 |

**Note: Technical concentration Elective:** Student must select between 11-14 credit hours of Engineering Technology courses with an advisor.