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 [18 Credits]** | | | | | | |
| Note: Students who have earned an associate degree will have 34 credits of technical coursework articulate to the bachelor's degree program and will not have to take the electives for a minor or individualized specialization. | | | | | |
| | CS 10061 Introduction to Computer Programming <br> *or* DSCI 15310 Computational Thinking and Programming <br> *or* EERT 22003 Technical Computing | 3 | | ■ | | |
| | EERT 21010 Engineering and Professional Ethics <br> *or* TECH 31010 Engineering and Professional Ethics | 3 | | ■ | | |
| | UC 10097 Destination Kent State: First Year Experience [1] | 1 | | | | |
| | Kent Core Requirement | 3 | | | | |
| | Applied Courses from Associate Degree, Minor or Individualized Specialization [2] | 8 | | | | |
| **Semester Two [17 Credits]** | | | | | | |
| | MATH 11010 Algebra for Calculus | 3 | | | KMC | |
| | Kent Core Requirement | 3 | | | | |
| | Applied Courses from Associate Degree, Minor or Individualized Specialization [2] | 11 | | | | |
| **Semester Three [15 Credits]** | | | | | | |
| | MATH 11012 Intuitive Calculus | 3 | | | KMC | |
| | Kent Core Requirement | 3 | | | | |
| | Kent Core Requirement | 3 | | | | |
| | Applied Courses from Associate Degree, Minor or Individualized Specialization [2] | 6 | | | | |
| **Semester Four [18 Credits]** | | | | | | |
| | ENG 20002 Introduction to Technical Writing <br> *or* ITAP 26638 Business Communications | 3 | | ■ | | |
| | MATH 11022 Trigonometry | 3 | | | KMC | |
| | Kent Core Requirement | 3 | | | | |
| | Applied Courses from Associate Degree, Minor or Individualized Specialization [2] | 9 | | | | |
| **Semester Five [15 Credits]** | | | | | | |
| | CDAG, EERT, GAE, MERT, TECH coursework (upper-division) | 3 | | ■ | | |
| | GAE 42003 Lean Manufacturing, Six Sigma and Operations Technology | 3 | | ■ | | |
| | Kent Core Requirement | 3 | | | | |
| | Kent Core Requirement | 3 | | | | |
| | General Electives [3] | 3 | | | | |
| **Semester Six [14 Credits]** | | | | | | |
| ! | **TECH 36620 Project Management in Engineering and Technology** | **3** | | ■ | | |
| | ITAP 26636 Project Management for Administrative Professionals | 1 | | | | |
| | CDAG, EERT, GAE, MERT, TECH coursework (upper-division) | 3 | | ■ | | |
| | Kent Core Requirement | 3 | | | | |
| | General Electives [3] | 4 | | | | |
| **Semester Seven [12 Credits]** | | | | | | |
| | ECON 22060 Principles of Microeconomics | 3 | | | KSS | |
| | TECH 43080 Industrial and Environmental Safety | 3 | | ■ | | |
| | CDAG, EERT, GAE, MERT, TECH coursework (upper-division) | 3 | | ■ | | |
| | General Electives [3] | 3 | | | | |
| **Semester Eight [11-12 Credits]** | | | | | | |
| ! | **TAS 47900 Technical and Applied Studies Capstone** | **3** | C | ■ | ELR | |
| ! | **TECH 31000 Cultural Dynamics of Technology** <br> **or TECH 33092 Cooperative Education - Professional Development** | **2-3** | C [4] | ■ | DD/WIC ELR/WIC | |
| | CDAG, EERT, GAE, MERT, TECH coursework (upper-division) | 6 | | ■ | | |

## Graduation Requirements Summary

| Minimum Total Hours | Minimum Upper-Division Hours 30000 – 40000 level course | Minimum Kent Core Hours | Minimum | |
|---|---|---|---|---|
| | | | Major GPA | Overall GPA |
| 120 | 39 | 36 | 2.000 | 2.000 |

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

2. Applied Courses from Associate Degree, Minor or Individualized Specialization (34 credit hours)

| Choose from the following: | |
|---|---|
| ACTT 11000 Accounting I - Financial (4) | BMRT 21011 Fundamentals of Financial Management (3) |
| BMRT 11009 Introduction to Management Technology (3) | Any CADT course |
| BMRT 21050 Fundamentals of Marketing Technology (3) | COMT 21010 Workgroup Productivity Software (3) |
| COMT 20011 Java Programming (3) | COMT 21095 Special Topics in Computer Technology (1 - 4) |
| COMT 21092 Computer Practicum (1 - 3) | Any GAE course |
| Any EERT course | ITAP 26638 Business Communications (3) |
| Any MERT course | PHY 12201 Technical Physics I (3) |
| PHY 12202 Technical Physics II (4) | Others by program director approval |
| BMRT 11000 Introduction to Business (3) | |

3. .Credits required depend on meeting minimum 120 credit hours and minimum 39 upper-division credit hours.

4. .To fulfill the writing-intensive requirement, either TECH 31000 or TECH 33056 must be earned with minimum C (2.000) grade.

**University Requirements:** Bachelor's degree-seeking students must meet Kent Core (general education requirements), diversity, writing-intensive and experiential learning requirements. For more information about these requirements, please read the following sections in the University Catalog: Kent Core – www.kent.edu/catalog/kent-core; Diversity Course Requirement – www.kent.edu/catalog/diversity; Writing-Intensive Course Requirement – www.kent.edu/catalog/wic; Experiential Learning Requirement – www.kent.edu/catalog/elr.

**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