

Associate of Applied Science in Mechanical Engineering Technology to Bachelor of Science in Engineering Technology, Integrated Engineering Technology Concentration

B.S. in Engineering Technology is offered through the Tuscarawas Campus\*

| Course Subject and Title | Credit  Hours | Upper  Division | Notes on Transfer Coursework to Kent State |
| --- | --- | --- | --- |
| CAM 1109 Fundamentals of Tooling & Machining | 3 |  | MERT 1X000 (Applied Elective) |
| COM 2211 Effective Public Speaking | 3 |  | COMM 15000 (KADL) |
| ENG 1101 English Composition I | 3 |  | ENG 11011 (KCP1) |
| MAT 1470 (College Algebra) AND MAT 1570 (Trigonometry)  OR MAT 1580 (Precalculus) | 5-6 |  | MATH 11010 (KMCR) + MATH 11022 (KMCR) |
| MET 1111 Preparatory Math for Engineering Technology | 3 |  | MERT 1X000 (Applied Elective) |
| MET 1161 Software Tools for Engineering Technology | 1 |  | MERT 1X000 (Applied Elective) |
| MET 1231 (Introduction to Drafting & Design using Inventor)  OR MET 1301 (SolidWorks Basics) | 4 |  | MERT 12001  MERT 1X000 |
| MET 2101 Thermodynamics | 3 |  | MERT 2X000 (Applied Elective) |
| MET 2151 Material Science | 4 |  | MERT 12005 (Applied Elective) |
| MET 2201 Statics | 3 |  | MERT 22005 (Applied Elective) |
| MET 2251 Strength of Materials | 3 |  | MERT 22007 (Applied Elective) |
| MET 2281 Engineering Technology Professional Practice | 3 |  | MERT 2X000 (Applied Elective) |
| MET 2301 Fluid Mechanics | 3 |  | MERT 22012 (Applied Elective) |
| MET 2351 Dynamics | 3 |  | MERT 2X000 (Applied Elective) |
| MET 2401 Machine Design | 3 | ■ | MERT 32004 (Concentration Elective) |
| MET 2780 Mechanical Engineering Technology Capstone | 3 |  | ENGT 23099 |
| PHY 1141 College Physics I | 4 |  | PHY 13001 (KBS) + PHY 13021 (KLAB) |
| Ohio Transfer 36: Social & Behavioral Sciences Elective  ECO 2180 Principles of Microeconomics (Required for BS) | 3 |  | ECON 22060 (KSS) |
| Mechanical Engineering Technology Elective | 3 |  | MERT 1X000 |
| **60-61 Total Credit Hours to Graduate with the AAS Degree from Sinclair College** | | | |

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| --- | --- | --- | --- |
| **Semester Five: [16 Credit Hours] Kent State University** | | | |
| ENG 21011 College Writing II (KCP2) | 3 |  | @ |
| MATH 11012 Intuitive Calculus (KMCR) | 3 |  | @ |
| EERT 32003 Technical Computing | 3 | ■ |  |
| OTEC 26636 Project Management for Administrative Professionals | 1 |  |  |
| ENGT 42003 Lean and Six Sigma for Competitive Manufacturing | 3 | ■ |  |
| Kent Core Humanities and Fine Arts (KHUM/KFA)\*\* | 3 |  | @ |
| **Semester Six: [15 Credit Hours] Kent State University** | | | |
| ENG 20002 Introduction to Technical Writing  or OTEC 26638 Business Communications | 3 |  |  |
| ENGR 36620 Project Management in Engineering | 3 | ■ |  |
| ENGT 43363 Materials Science and Technology | 3 | ■ |  |
| ENGT 32006 Economic Decision Analysis for Engineering Technology | 3 | ■ |  |
| Concentration Elective | 3 | ■ |  |
| **Semester Seven: [15 Credit Hours] Kent State University** | | | |
| ENGR 33700 Quality Techniques | 3 | ■ |  |
| ENGR 31010 Engineering and Professional Ethics | 3 | ■ |  |
| Kent Core Basic Sciences (KBS) | 3 |  | @ |
| Kent Core Humanities and Fine Arts (KHUM/KFA)\*\* | 3 |  | @ |
| Kent Core Social Sciences (KSS – Not ECON) | 3 |  | @ |
| **Semester Eight: [15 Credit Hours] Kent State University** | | | |
| ENGR 31000 Cultural Dynamics Technology (DIVD) (WIC)  or ENGR 33092 Cooperative Education - Professional Development (ELR) (WIC) | 3 | ■ |  |
| ENGR 43080 Industrial and Environmental Safety | 3 | ■ |  |
| ENGT 43099 Engineering Technology Capstone (ELR) | 3 | ■ |  |
| Concentration Elective | 3 | ■ |  |
| Kent Core Humanities and Fine Arts (KHUM/KFA)\*\* | 3 |  | @ |
| **120 Total Credit Hours to Graduate with the BS, including transfer coursework, from Kent State University** | | | |

@ Course may be taken at Sinclair College and transferred to Kent State. However, please be aware of Kent State’s residence policy, which can be found in the [Kent State University Catalog](http://catalog.kent.edu/undergraduate-university-requirements/diversity-course-requirement/).

\* Technical classes for the BS degree can be completed online. For more information, [contact the Engineering Technology department](https://www.kent.edu/tusc/engtech).

\*\* Minimum one course must be selected from the Humanities in Arts and Sciences (KHUM) area, and minimum one course must be selected from the Fine Arts (KFA) area. Please consult with an academic advisor.

Students must successfully [complete one domestic diversity course (DIVD) and one global diversity course (DIVG)](http://catalog.kent.edu/academic-policies/diversity-course-requirement/). Please consult with a Kent State Academic Advisor.

# Graduation Requirements

Requirements to graduate with the BS degree program: To graduate, students must have minimum 120 credit hours, 39 upper-division credit hours of coursework, a minimum 2.000 major GPA and minimum 2.000 cumulative GPA. They must also fulfill an approved experiential learning experience, a two-course diversity requirement (domestic and global), complete a writing intensive course with a minimum C (2.000) grade. More specific graduation requirement information can be found in the Academic Policies section of the Kent State University Catalog (www.kent.edu/catalog).

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It is recommended that students intending to pursue the Bachelor of Science in Engineering Technology through Kent State University consult with academic advisors at both Sinclair College and Kent State University.

# Contact Information

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