

Associate of Applied Science in Civil 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 |
| --- | --- | --- | --- |
| CAT 1161 Introduction to the Built Environment | 3 |  | ENGT 1X000 (Applied Elective) |
| CAT 1211 Construction Materials Testing | 2 |  | ENGT 1X000 (Applied Elective) |
| CAT 1300 Introduction to CAD for Applications in Civil Engineering Technology | 2 |  | ENGT 1X000 (Applied Elective) |
| CAT 1301 Civil Construction CAD | 2 |  | ENGT 1X000 (Applied Elective) |
| CAT 1401 Construction Estimating | 3 |  | ENGT 1X000 (Applied Elective) |
| CAT 1501 Fundamentals of Surveying & Mapping | 3 | ■ | CMGT 31023 (Concentration Elective) |
| CAT 2301 Land Development Design in Civil 3D | 3 |  | ENGT 2X000 (Applied Elective) |
| CAT 2401 Construction Project Management | 3 |  | ENGT 2X000 (Applied Elective) |
| CAT 2421 Soil Mechanics | 3 | ■ | CMGT 42056 (Concentration Elective) |
| CAT 2501 GPS & GIS for Engineering Technology Professionals | 2 |  | ENGT 2X000 (Applied Elective) |
| CAT 2531 Advanced Surveying & Mapping | 3 |  | ENGT 2X000 (Applied Elective) |
| CAT 2561 Route Surveying with Construction Applications | 2 |  | ENGT 2X000 (Applied Elective) |
| CAT 2701 Civil Engineering Technology Internship | 2-4 |  | ENGT 2X000 |
| CAT 2781 Civil Engineering Technology Capstone | 4 |  | ENGT 23099 (Applied Elective) |
| COM 2211 Effective Public Speaking | 3 |  | COMM 15000 (KADL) |
| ENG 1101 English Composition I | 3 |  | ENG 11011 (KCP1) |
| Ohio Transfer 36: Social & Behavioral Sciences Elective  ECO 2180 Principles of Microeconomics (Required for BS) | 3 |  | ECON 22060 (KSS) |
| Construction Elective | 5 |  | TRAN 1X000 |
| PHY 1106 (Physics for Technology) AND PHY 1107 (Lab for Physics for Technology)  OR PHY 1141 (College Physics I) | 4-5 |  | PHY 12201 (KBS) (KLAB) + PHY 12202 (KBS) (KLAB)  PHY 13001 (KBS) + PHY 13021 (KLAB) |
| MAT 1470 (College Algebra) AND MAT 1570 (Analytic Geometry & Trigonometry)  OR MAT 1580 (Precalculus)^ | 5-6 |  | MATH 11010 (KMCR) + MATH 11022 (KMCR)  MATH 11010 (KMCR) + MATH 11022 (KMCR) |
| **60-64 Total Credit Hours to Graduate with the AAS Degree from Sinclair College** | | | |

^ Students seeking to transfer to Kent State University for the BS in Engineering Technology should complete MAT 1470 and MAT 1570 or MAT 1580. Students who do not complete this requirement will be required to complete MATH 11010 (KMCR) + MATH 11022 (KMCR) upon transfer to Kent State University.

| Course Subject and Title | Credit  Hours | Upper  Division | Notes on Transfer Coursework to Kent State |
| --- | --- | --- | --- |
| **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: [12-14 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 | ■ |  |
| Kent Core Humanities and Fine Arts (KHUM/KFA)\*\* | 3 |  | @ |
| General Electives (if needed to reach 120 total credit hours) | 2 |  | @ |
| **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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