

The following table outlines how transfer credits will be applied to the Bachelor of Science in Engineering Technology degree with a Mechanical/Systems concentration at Kent State University for students who completed an associate degree via the Ohio Guaranteed Mechanical Engineering Technology Transfer Pathway. The OGTP designation guarantees the transfer and applicability of credits, but does not guarantee admission to a program. Some bachelor-degree granting programs may be competitive, and students should check with individual institutions for their program admission requirements.

COURSE EQUIVALENCIES FROM THE ASSOCIATE DEGREE	Course Number	Credit Hours
GENERAL EDUCATION REQUIREMENTS/OHIO TRANSFER 36		
Any Ohio Transfer 36 approved First Writing (TME001) course	ENG 11011	3
Precalculus (TMM002) or College Algebra (TMM001) and Trigonometry (TMM003) ¹	MATH 11010 and MATH 11022	6
Any Ohio Transfer 36 approved Arts and Humanities course	Ohio Transfer 36 Elective*	3
Any Ohio Transfer 36 approved Social and Behavioral Sciences course ¹	Ohio Transfer 36 Elective*	
Algebra-based Physics I (OSC014)	PHY 13001/PHY 13002	5
ADDITIONAL/APPLIED GENERAL EDUCATION REQUIREMENTS		
Algebra-based Physics II (OSC015) (preferred) or other Ohio Transfer 36 Natural Sciences course	PHY 13002/PHY 13022	5
Public Speaking (OCM013), Oral Communication (TMOC), Technical Writing, or Second Writing (TME002) course	COMM 15000, ENG 21011, or Ohio Transfer 36 Elective*	3
General Education Electives ¹	Varies*	6
PRE-MAJOR/BEGINNING MAJOR		
Statics (OET007)	MERT 22005	3
Strength of Materials (OET008)	MERT 22007	3
Fluid Mechanics (OET009)	MERT 22012	3
Manufacturing Processes (OET010)	MERT 12004	3
CAD (OET012)	MERT 12001	3
Engineering Materials (OET013)	MERT 12005	3
Technical Electives	Electives*	12-18
TOTAL HOURS FROM ASSOCIATE DEGREE:		60-65
Advising Notes: (*) Indicates that coursework will be evaluated for applicable equivalency upon transfer at the university. If a Transfer Assurance Guide (TAG) course is taken, the approved course equivalency will be awarded. ¹ The Kent Core requires students take two Social Sciences courses from two different curricular areas. OSS004 Principles of Microeconomics is required as part of the bachelor's degree program of study, so students could either take OSS004 and/or an Ohio Transfer 36 approved Social & Behavioral Sciences course in an area outside of economics.		

Kent State University Engineering Technology, Mechanical/Systems concentration Bachelor of Science

Effective beginning Academic Year 2023-24 (Last revised June 29, 2023)

The following additional coursework will be required to complete the Bachelor of Science in Engineering Technology degree with a Mechanical/Systems concentration at Kent State University after a student has completed their associate degree via the Ohio Guaranteed Mechanical Engineering Technology Transfer Pathway. Some bachelor-degree granting programs may be competitive and admission into the program is not guaranteed. Students should check with individual institutions for their program admission requirements.

REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE		Course Number	Credit Hours
Major Requirement:	Technical Computing	EERT 32003	3
Major Requirement:	Engineering and Professional Ethics	ENGR 31010	3
Major Requirement:	Introduction to Technical Writing or Business Communications	ENG 20002 or OTEC 26638	3
Major Requirement:	Cultural Dynamics Technology (DIVD) (WIC) or Cooperative Education - Professional Development (ELR) (WIC)	ENGR 31000 or ENGR 33092	3
Major Requirement:	Materials Science and Technology	ENGT 43363	3
Major Requirement:	Quality Techniques	ENGR 33700	3
Major Requirement:	Project Management in Engineering and Technology	ENGR 36620	3
Major Requirement:	Industrial and Environmental Safety	ENGR 43080	3
Major Requirement:	Engineering Technology Capston (ELR)	ENGT 43099	3
Additional Requirement:	Introduction to Technical Writing or Business Communications	ENG 20002 or OTEC 26638	3
Additional Requirement:	Principles of Microeconomics (KSS)	ECON 22060	3
Additional Requirement:	Intuitive Calculus (KMCR)	MATH 11012	3
Additional Requirement:	Project Management for Administrative Professionals	OTEC 26636	1
Concentration Requirement:	Machine Design or Thermodynamics for Engineering Technology	MERT 32004 or MERT 42000	3
Concentration Requirement:	Advanced Manufacturing or Computer-Integrated Manufacturing	ENGT 30000 or ENGT 43700	3
Concentration Requirement:	Mechanical/Systems Concentration Electives	Varies	9
Kent Core Requirement:	Kent Core Composition 2 (KCP2) (if not already completed)	Varies	3
Kent Core Requirement:	Kent Core Humanities (KHUM)	Varies	3
Kent Core Requirement:	Kent Core Fine Arts (KFA)	Varies	3
REMAINING COURSEWORK TO COMPLETE BACHELOR'S DEGREE TOTAL:³			61

Advising Notes:

¹ Students who have earned an associate degree will have 27 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.

² Students must successfully complete one domestic (DIVD) and one global (DIVG) course, of which one must be from the Kent Core. Students should consult with a Kent State University advisor for more information.

³ Kent State requires a total of 120 credits hours for bachelor's degree completion. The total number of hours to complete the bachelor's degree represents a range of hours that may be needed depending on the individual course selections made during the associate degree program.

SPECIAL NOTES

For more information, please contact:
Academic Partnerships
pathways@kent.edu
(330) 672-7341
<https://www.kent.edu/transfer/degree-pathways>

SAMPLE DEGREE MAP

THIRD YEAR

SEMESTER 5		SEMESTER 6	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
ENG 20002 Introduction to Technical Writing or OTEC 26638 Business Communications	3	ENGR 36620 Project Management in Engineering and Technology	3
MATH 11012 Intuitive Calculus	3	ENGT 43363 Materials Science and Technology	3
EERT 32003 Technical Computing	3	ENGR 31010 Engineering and Professional Ethics	3
OTEC 26636 Project Management for Administrative Professionals	1	MERT 32004 Machine Design or MERT 42000 Thermodynamics for Engineering Technology	3
ENGT 30000 Advanced Manufacturing or ENGT 43700 Computer-Integrated Manufacturing	3	Mechanical/Systems Concentration Elective	3
ENG 21011 College Composition II (if not already completed)	3		
Total Semester 5 Credit Hours	16	Total Semester 6 Credit Hours	15

FOURTH YEAR

SEMESTER 7		SEMESTER 8	
Course Name & Number	Credit Hours	Course Name & Number	Credit Hours
ENGR 33700 Quality Techniques	3	ENGR 31000 Cultural Dynamics Technology (DIVD) (WIC) or ENGR 33092 Cooperative Education - Professional Development (ELR) (WIC)	3
Mechanical/Systems Concentration Elective	3	ENGR 43080 Industrial and Environmental Safety	3
Kent Core Humanities (KHUM)	3	ENGT 43099 Engineering Technology Capstone (ELR)	3
ECON 22060 Principles of Microeconomics	3	Kent Core Fine Arts (KFA)	3
General Elective (if needed to reach 120 credit hours)	3	Mechanical/Systems Concentration Elective	3
Total Semester 7 Credit Hours	15	Total Semester 8 Credit Hours	15