KENT STATE UNIVERSITY

Roadmap: Mechanical Engineering Technology – General – Associate of Applied Science
[RE-AAS-MERT-GENL]
Regional College
Catalog Year: 2011-2012

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]			
EERT 22003 Technical Computing	**3**		
MERT 12000 Engineering Drawing	**3**		
MERT 12004 Manufacturing Processes	**3**		
Kent Core Composition	3		Enrollment based on placement test
MATH 11010 Algebra for Calculus	3		Fulfills Kent Core Mathematics and Critical Reasoning
US 10097 Destination Kent State: FYE	1		Not required of transfer students with 25 credits
Semester Two: [17 Credit Hours]			
MERT 12001 Computer Aided Drafting	**3**		
MERT 12005 Properties of Materials	**3**		
MERT 22005 Statics	**3**		
COMM 15000 Introduction to Human Communication	3		Fulfills Kent Core Additional
MATH 11012 Intuitive Calculus	3		
MATH 11022 Trigonometry	2		
Semester Three: [19 Credit Hours]			
EERT 22014 Microprocessors and Robotics	**4**		
IERT 22010 Computer Integrated Manufacturing	**3**		
MERT 22007 Strength of Materials	**3**		
MERT 22012 Fluid Power	**3**		
ENG 20002 Introduction to Technical Writing *or* ITAP 26638 Business Communication	3		
PHY 12201 Technical Physics I	3		
Semester Four: [18 Credit Hours]			
CADT 22003 Solid Modeling	**2**		
MERT 22003 Computer-Aided Tool Design	**3**		
MERT 22004 Mechanics and Machine Design	**3**		
MERT 22009 Robotics and Flexible Automation	**3**		
PHY 12202 Technical Physics II	4		
Kent Core Social Sciences or Humanities	3		Visit www.kent.edu/catalog and search "Kent Core" for course lists; Tuscarawas students must take EERT 21010 Engineering and Professional Ethics

Graduation Requirements Summary

Minimum Total Hours	Minimum	
	Major GPA	Overall GPA
70	2.0	2.0

Kent Core Summary (for students planning to pursue a baccalaureate program)

Kent Core Categories	Important Notes
Composition (6-8 credit hours) *ENG 11002, 11011, 21011; HONR 10197, 10297*	Enrollment based on placement test
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010
Humanities and Fine Arts (9 credit hours) *Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts*	
Social Sciences (6 credit hours) *Must be selected from two curricular areas*	
Basic Sciences (6-7 credit hours) *Must include one laboratory*	
Additional (6 credit hours) *Must be selected from two Kent Core categories*	Fulfilled in this major with COMM 15000 and MATH 11012