Roadmap: Applied Engineering - Applied Engineering and Technology Management - Bachelor of Science
AR-BS-AENG-AETM
College of Aeronautics, Applied Engineering and Construction Management
Catalog Year: 2014-2015

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	Upper Div.	Min. Grade	Major GPA	Type	Term Taken
Semester One [16 Credits]							
!	**MATH 11010 Algebra for Calculus**	3				KMC	
!	**TECH 10001 Information Technology**	3			■		
!	**TECH 20002 Materials and Processes**	3			■		
	TECH 13580 Engineering Graphics I	3			■		
	US 10097 Destination Kent State: First Year Experience [1]	1					
	Kent Core Requirement	3					
Semester Two [16 Credits]							
!	**MATH 11022 Trigonometry**	3				KMC	
!	**TECH 21021 Survey of Electricity and Electronics**	4			■		
!	**TECH 23581 Computer-Aided Engineering Graphics**	3			■		
	COMM 15000 Introduction to Human Communication	3				KAD	
	Kent Core Requirement	3					
Semester Three [17 Credits]							
!	**MIS 24056 Fundamentals of Business Statistics**	3			■		
!	**PHY 13001 General College Physics I**	4				KBS	
!	**PHY 13021 General College Physics Laboratory I**	1				KBS	
!	**TECH 20001 Energy/Power**	3			■		
!	**TECH 31016 Manufacturing Technology**	3	■		■		
	ENG 20002 Introduction to Technical Writing	3			■		
Semester Four [17 Credits]							
!	**PHY 13002 General College Physics II**	4				KBS	
!	**PHY 13022 General College Physics Laboratory II**	1				KBS	
!	**TECH 31065 Cast Metals**	3	■		■		
!	**TECH 33031 Programmable Logic Controllers**	3	■		■		
!	**TECH 33033 Hydraulics/Pneumatics**	3	■		■		
	ECON 22060 Principles of Microeconomics	3				KSS	
Semester Five [15 Credits]							
	PSYC 11762 General Psychology	3				DD/KSS	
	TECH 31000 Cultural Dynamics of Technology	3	■	C	■	DD/WIC	
	TECH 31020 Automated Manufacturing	3	■		■		
	TECH 33700 Quality Techniques	3	■		■		
	Kent Core Requirement	3					
Semester Six [15 Credits]							
	PSYC 31773 Industrial Psychology	3	■				
	TECH 33870 Facility Design and Material Handling	3	■		■		
	TECH 36620 Project Management in Engineering and Technology	3	■		■		
	Kent Core Requirement	3					
	Kent Core Requirement	3					
Semester Seven [12 Credits]							
	TECH 43060 Management of Technology Innovation	3	■		■		
	TECH 43550 Computer-Aided Manufacturing	3	■		■		
	General Electives [2]	6					
Semester Eight [12 Credits]							
	TECH 43080 Industrial and Environmental Safety	3	■		■		
	TECH 43800 Applied Engineering Technology Seminar	3	■		■		
	General Electives [2]	6					

Graduation Requirements Summary

Minimum Total Hours	Minimum Upper-Division Hours	Minimum Kent Core Hours	Minimum	
			Major GPA	Overall GPA
120	39	36	2.250	2.000

1. US 10097 is not required of transfer students with 25 credits or students age 21+ at time of admission.
2. Number of credits required depends on meeting minimum 120 credit hours and 39 upper-division credit hours

Roadmap: Applied Engineering - Applied Engineering and Technology Management - Bachelor of Science
AR-BS-AENG-AETM
College of Aeronautics, Applied Engineering and Construction Management
Catalog Year: 2014-2015

University Requirements Summary

Type	Categories	Course(s) Satisfying Category	Remaining Requirements
KCM	**Kent Core I. Composition** Enrollment based on placement test	visit www.kent.edu/catalog/kent-core	6
KMC	**Kent Core II. Mathematics and Critical Reasoning** Enrollment based on placement test	MATH 11010	fulfilled
KHU	**Kent Core III. Humanities** Minimum one course from humanities in Arts and Sciences; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core recommended: HIST 12071 and PHIL 21001	3
KFA	**Kent Core IV. Fine Arts** Minimum one course from the fine arts; may fulfill diversity requirement	visit www.kent.edu/catalog/kent-core	3
KFH	**Kent Core V. Humanities or Fine Arts** One additional course from either the humanities or fine arts category may fulfill diversity requirement.	visit www.kent.edu/catalog/kent-core	3
KSS	**Kent Core VI. Social Sciences** Must be selected from two curricular areas; may fulfill diversity requirement	ECON 22060, PSYC 11762	fulfilled
KBS	**Kent Core VII. Basic Sciences** Must include one laboratory	PHY 13001, PHY 13002, PHY 13021, PHY 13022	fulfilled
KAD	**Kent Core VIII. Additional** May fulfill diversity requirement	COMM 15000, MATH 11022	fulfilled
DD	**Domestic Diversity Course Requirement** Either domestic or global diversity must be from Kent Core	PSYC 11762	fulfilled
DG	**Global Diversity Course Requirement** Either domestic or global diversity must be from Kent Core	visit www.kent.edu/catalog/diversity	one course
ELR	**Experiential Learning Requirement** Either course or non-course experience approved by the appropriate faculty member	visit www.kent.edu/catalog/elr	one course or activity
WIC	**Writing-Intensive Course Requirement** Minimum C (2.000) grade	TECH 31000	fulfilled