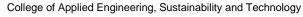
Roadmap: Applied Engineering - Applied Engineering and Technology Management - Bachelor of Science







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		Min. Grade	Major GPA	Туре	Term Taken
	er 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					
Semest	er Two [15 Credits]					1/110	
	MATH 11022 Trigonometry	3				KMC	
!	TECH 23581 Computer-Aided Engineering Graphics	3				1445	
	COMM 15000 Introduction to Human Communication	3				KAD	
	PSYC 11762 General Psychology	3				DD/KSS	
	Kent Core Requirement	3					
Semest	er Three [14 Credits] MIS 24056 Fundamentals of Business Statistics	2					
	PHY 13001 General College Physics I	3				KBS	
!	PHY 13001 General College Physics I PHY 13021 General College Physics Laboratory I	1				KBS	
!	TECH 31016 Manufacturing Technology	3			_	VR2	
	ENG 20002 Introduction to Technical Writing	3			-		
	er Four [17 Credits]	3					
Semesi	PHY 13002 General College Physics II	4				KBS	
- :	PHY 13022 General College Physics Laboratory II	1				KBS	
	TECH 31065 Cast Metals	3			_	KDO	
: I	TECH 33033 Hydraulics/Pneumatics	3					
	ECON 22060 Principles of Microeconomics	3	-		-	KSS	
	Kent Core Requirement	3				NOO	
	er Five [16 Credits]	J					
	TECH 21021 Survey of Electricity and Electronics	4					
	PSYC 31773 Industrial Psychology	3					
	TECH 31000 Cultural Dynamics of Technology	3		С		DD/WIC	
	TECH 31020 Automated Manufacturing	3		-		DD/ WIO	
	TECH 33700 Quality Techniques	3					
Semest	er Six [15 Credits]	3	_		-		
	TECH 33031 Programmable Logic Controllers	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					
	er Seven [15 Credits]	Ü					
	TECH 20001 Energy/Power	3					
	TECH 43060 Management of Technology Innovation	3			-		
	TECH 43550 Computer-Aided Manufacturing	3					
	General Electives ²	6	_		_		
Semest	er Eight [12 Credits]						
	TECH 43080 Industrial and Environmental Safety	3					
	TECH 43800 Applied Engineering Technology Seminar	3			-		
	General Electives ²	6					

Graduation Requirements Summary

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Minimum Total Hours	Minimum Unner Division Hours	Minimum Kent Core Hours	Minimum		
Willimum Total Hours	Minimum Upper-Division Hours	Millimum Kent Core nours	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

AT-BS-AENG-AETM

College of Applied Engineering, Sustainability and Technology

Catalog Year: 2014-2015



University Requirements Summary

Туре	Categories	Course(s) Satisfying Category	Remaining Requirements
KCIVI	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
	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
	Writing Intensive Course Beguirement	TECH 31000	fulfilled