

Roadmap: Technology – Construction Management– Bachelor of Science

[CT-BS-TECH-COMA] College of Technology 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.

Semester One: [16 Credit Hours] MATH 11010 Algebra for Calculus 3 Information Technology Informatio	ritical (in boldface and shaded areas) must be completed in the semester listed to ensure a timely graduation.						
MATH 11010 Algebra for Calculus TECH 10001 Information Technology 3	ourse Subject and Title		- 1 1 -	Min. Grade	Major GPA	Important Notes	
TECH 10001 Information Technology TECH 2200 Construction Document Reading TECH 13550 Engineering Graphics I US 10097 Destination Kent State: FYE I1 Whot required for transfer students with 25 credits Kent Core Requirement Semester Two: [14 Credit Hours] Kent Core Requirement TECH 23581 Computer-Aided Engineering Graphics TECH 20002 Materials and Processes Kent Core Requirement Semester Three: [17 Credit Hours] TECH 21021 Survey of Electricity and Electronics TECH 21021 Survey of Electricity and Electronics TECH 21021 Survey of Electricity and Electronics TECH 21021 Core Requirement Semester Four: [16 Credit Hours] Kent Core Requirement Tech 2002 Materials of Microeconomics Tech 3015 Construction Technology TECH 2020 Semester Three: [17 Credit Hours] TECH 2020 Semester Four: [16 Credit Hours]	emester One: [16 Credit Hours]						
TECH 22200 Construction Document Reading 3	ATH 11010 Algebra for Calculus	3				Enrollment based on placement tests; fulfills Kent Core Mathematics and Critical Reasoning	
TECH 13580 Engineering Graphics I 3	CH 10001 Information Technology	3					
US 10097 Destination Kent State: FYE 1 Not required for transfer students with 25 credits Kent Core Requirement 3 See Kent Core Summary on page 2 Semester Two: [14 Credit Hours] MATH 11022 Trigonometry 2 Destination Materials, Methods and Technology 3 Destination Methods and Technology 4 Destination Methods and Technology 4 Destination Methods and Technology 5 Destin	CH 22200 Construction Document Reading	3			-	Offered in fall only	
Kent Core Requirement 3 See Kent Core Summary on page 2 Semester Two: [14 Credit Hours] MATH 11022 Trigonometry 2 TECH 21071 Construction Materials, Methods and Technology 3 ■ TECH 20002 Materials and Processes 3 ■ Kent Core Requirement 3 See Kent Core Summary on page 2 Semester Three: [17 Credit Hours] See Kent Core Summary on page 2 TECH 21021 Survey of Electricity and Electronics 4 ■ TECH 31015 Construction Technology 3 ■ PSYC 11762 General Psychology 3 ■ Kent Core Requirement 3 See Kent Core Social Sciences Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 3 See Kent Core Summary on page 2 Semester Four: [16 Credit Hours] See Kent Core Summary on page 2 COMM 15000 Introduction to Human Communication 3 Fulfills Kent Core Additional ECON 22060 Principles of Microeconomics 3 Fulfills Kent Core Social Sciences Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 3 See Kent Core Summary on page 2	ECH 13580 Engineering Graphics I	3					
Semester Two: [14 Credit Hours] MATH 11022 Trigonometry ECH 21071 Construction Materials, Methods and Technology TECH 23681 Computer-Aided Engineering Graphics 3	3 10097 Destination Kent State: FYE	1				Not required for transfer students with 25 credits	
MATH 11022 Trigonometry 2 Image: CH 21071 Construction Materials, Methods and Technology 3 Image: CH 23581 Computer-Aided Engineering Graphics 4 Image: CH 23581	ent Core Requirement	3				See Kent Core Summary on page 2	
TECH 21071 Construction Materials, Methods and Technology TECH 23581 Computer-Aided Engineering Graphics 3	emester Two: [14 Credit Hours]						
Technology TECH 23581 Computer-Aided Engineering Graphics TECH 20002 Materials and Processes 3 See Kent Core Requirement 3 See Kent Core Summary on page 2 Semester Three: [17 Credit Hours] TECH 21021 Survey of Electricity and Electronics 4 FECH 31015 Construction Technology PSYC 11762 General Psychology 8 Fulfills Kent Core Social Sciences Kent Core Requirement 8 See Kent Core Summary on page 2 Fulfills Kent Core Social Sciences Kent Core Requirement 9 See Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 2 Fulfills Kent Core Social Sciences Fulfills Kent Core Summary on page 2 Fulfills Kent Core Summary on page 2 Fulfills Kent Core Summary on page 2 Fulfills Kent Core Additional Foon 22060 Principles of Microeconomics 8 Fulfills Kent Core Social Sciences Fulfills Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 2 Kent Core Requirement 9 See Kent Core Summary on page 3 Should fulfill diversity requirement if not satisfied earl Semester Five: [15 Credit Hours]	ATH 11022 Trigonometry	2					
TECH 20002 Materials and Processes Kent Core Requirement Semester Three: [17 Credit Hours] TECH 21021 Survey of Electricity and Electronics 4		3			•	Offered in spring only	
Semester Three: [17 Credit Hours] TECH 21021 Survey of Electricity and Electronics 4	ECH 23581 Computer-Aided Engineering Graphics	3					
Semester Three: [17 Credit Hours] TECH 21021 Survey of Electricity and Electronics 4	ECH 20002 Materials and Processes	3					
TECH 21021 Survey of Electricity and Electronics TECH 31015 Construction Technology PSYC 11762 General Psychology Kent Core Requirement Semester Four: [16 Credit Hours] COMM 15000 Introduction to Human Communication ECON 22060 Principles of Microeconomics Kent Core Requirement Semester Four: [16 Credit Hours] COMM 15000 Introduction to Human Communication ECON 22060 Principles of Microeconomics Kent Core Requirement See Kent Core Summary on page 2 Fulfills Kent Core Additional Fulfills Kent Core Social Sciences Fulfills Kent Core Social Sciences Kent Core Requirement See Kent Core Summary on page 2	ent Core Requirement	3				See Kent Core Summary on page 2	
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PSYC 11762 General Psychology Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement Semester Four: [16 Credit Hours] COMM 15000 Introduction to Human Communication ECON 22060 Principles of Microeconomics Kent Core Requirement Semester Four: [16 Credit Hours] COMM 15000 Introduction to Human Communication ECON 22060 Principles of Microeconomics Kent Core Requirement See Kent Core Social Sciences Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement See Kent Core Summary on page 2	CH 21021 Survey of Electricity and Electronics	4					
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Kent Core Requirement Semester Four: [16 Credit Hours] COMM 15000 Introduction to Human Communication ECON 22060 Principles of Microeconomics Kent Core Requirement Kent Core Requirement See Kent Core Social Sciences Kent Core Requirement General Elective (lower or upper division) Semester Five: [15 Credit Hours]	ent Core Requirement	3					
Semester Four: [16 Credit Hours] COMM 15000 Introduction to Human Communication 3 Fulfills Kent Core Additional ECON 22060 Principles of Microeconomics 3 Fulfills Kent Core Social Sciences Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 1 See Kent Core Summary on page 2 Kent Core Requirement 1 Should fulfill diversity requirement if not satisfied earl Semester Five: [15 Credit Hours]	ent Core Requirement	3				See Kent Core Summary on page 2	
COMM 15000 Introduction to Human Communication 3 Fulfills Kent Core Additional ECON 22060 Principles of Microeconomics 3 Fulfills Kent Core Social Sciences Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 1 Seneral Elective (lower or upper division) 3 Should fulfill diversity requirement if not satisfied earl Semester Five: [15 Credit Hours]	ent Core Requirement	1					
ECON 22060 Principles of Microeconomics Kent Core Requirement Kent Core Requirement See Kent Core Social Sciences See Kent Core Summary on page 2 Kent Core Requirement General Elective (lower or upper division) Semester Five: [15 Credit Hours]	emester Four: [16 Credit Hours]						
Kent Core Requirement See Kent Core Summary on page 2 Kent Core Requirement I See Kent Core Summary on page 2 Kent Core Requirement General Elective (lower or upper division) Semester Five: [15 Credit Hours]	OMM 15000 Introduction to Human Communication	3				Fulfills Kent Core Additional	
Kent Core Requirement 3 See Kent Core Summary on page 2 Kent Core Requirement 1 General Elective (lower or upper division) 3 Should fulfill diversity requirement if not satisfied earl Semester Five: [15 Credit Hours]	CON 22060 Principles of Microeconomics	3				Fulfills Kent Core Social Sciences	
Kent Core Requirement General Elective (lower or upper division) Semester Five: [15 Credit Hours]	ent Core Requirement	3					
General Elective (lower or upper division) Semester Five: [15 Credit Hours] Semester Five: [15 Credit Hours]	ent Core Requirement	3				See Kent Core Summary on page 2	
Semester Five: [15 Credit Hours]	ent Core Requirement	1					
-	eneral Elective (lower or upper division)	3				Should fulfill diversity requirement if not satisfied earlier	
	emester Five: [15 Credit Hours]						
TECH 31023 Construction Surveying 3 ■ 0 Construction Surveying	ECH 31023 Construction Surveying	3				Officers districtly and	
TECH 32105 Construction Jobsite Management 3	CH 32105 Construction Jobsite Management	3	-		-	Offered in fall only	
MATH 11012 Intuitive Calculus 3 Fulfils Kent Core Additional	ATH 11012 Intuitive Calculus	3				Fulfils Kent Core Additional	
TECH 20001 Energy/Power 3 ■	ECH 20001 Energy/Power	3					
Kent Core Requirement 3 See Kent Core Summary on page 2	ent Core Requirement	3				See Kent Core Summary on page 2	
Semester Six: [15 Credit Hours]	emester Six: [15 Credit Hours]						
TECH 31043 Principles of Concrete Construction 3 ■ ■		3					
TECH 31044 Construction Occupational Safety and Health Offered in spring only		3	•		•	Offered in spring only	
MIS 24163 Principles of Management 3 Prerequisite for subsequent MIS courses		3				Prerequisite for subsequent MIS courses	
TECH 31000 Cultural Dynamics of Technology 3 ■ C ■ Fulfills writing-intensive course requirement	CH 31000 Cultural Dynamics of Technology	3	•	С		Fulfills writing-intensive course requirement	
TECH Elective (lower or upper division) 3 Recommended: TECH 33056	CH Elective (lower or upper division)	3				Recommended: TECH 33056	



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Critical requirements are boldface in shaded areas

ourse Subject and Title		lit Uppe s Div		Major GPA	Important Notes	
Semester Seven: [16 Credit Hours]						
TECH 41040 Construction Estimating I	3	•		•	Offered in fall only	
ENG 20002 Introduction to Technical Writing	3					
MIS 24056 Fundamentals of Business Statistics or MIS 44150 Total Quality Management	3					
TECH Elective (upper division)	4	-		•	Recommended: TECH 33056 (if not taken)	
General Elective (lower or upper division)					Should fulfill diversity requirement if not satisfied earlier	
Semester Eight: [15 Credit Hours]						
TECH 41041 Construction Estimating II	3				Offered in spring only	
TECH 42105 Construction Contracts	3	•				
TECH 42107 Construction Scheduling	3	•				
PSYC 31773 Industrial Psychology	3	•				
General Elective (lower or upper division)	3				Number of credits required depends on meeting minimum 124 credit hours and 39 upper-division hours	

Graduation Requirements Summary

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ſ	Minimum	Minimum Upper-	Minimum	Diversity Course	Writing-Intensive	Mini	mum
	Total Hours	Division Hours Kent Core Hours Global / Domestic		willing-interisive	Major GPA	Overall GPA	
	124	39	36	Kent Core and General Electives	TECH 31000	2.25	2.0

Kent Core Summary

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Kent Core Categories	Important Notes	Remaining Credit Hours			
Composition (6-8 credit hours) ENG 11002, 11011, 21011; HONR 10197, 10297	Enrollment based on placement test	6-8			
Mathematics and Critical Reasoning (3-5 credit hours)	Fulfilled in this major with MATH 11010.	0			
Humanities and Fine Arts (9 credit hours) Minimum one course from humanities in Arts and Sciences and minimum one course from fine arts	May fulfill domestic diversity requirement	9			
Social Sciences (6 credit hours) Must be selected from two curricular areas	Fulfilled in this major with ECON 22060 and PSYC 11762	0			
Basic Sciences (6-7 credit hours) Must include one laboratory	Includes additional course as required by the college for this program	8			
Additional (6 credit hours) Must be selected from two Kent Core categories	Fulfilled in this major with ECON 22061, MATH 11012	0			

Kent Core

Students must complete a minimum 36 credit hours of the Kent Core. Certain courses required in programs and in student's major field may also fulfill the Kent Core. Honors equivalents shall satisfy the Kent Core. None of the courses on the Kent Core list may be taken with a pass/fail grade. Visit www.kent.edu/catalog/kent-core for course list.

Diversity Course Requirement

Students must complete a two-course diversity requirement, consisting of one with a domestic (U.S.) focus and one with a global focus. One course must come from the Kent Core. The second course may be taken as a second Kent Core, within a major or minor, or as a general elective; or, with dean's approval, by completing one semester of study in another country. Visit www.kent.edu/catalog/diversity for course list.

Writing-Intensive Course Requirement

Students must complete a one-course writing-intensive requirement in their major and earn minimum C (2.00) grade. Visit www.kent.edu/catalog/wic for course list.

Upper-Division Requirement

Students must complete a minimum 39 upper-division (numbered 30000 to 49999) credit hours of coursework. Programs in the College of Arts and Sciences require a minimum of 42 hours of upper-division coursework.