

AS to BS Civil Engineering
Recommended 4-Year Course Sequence
2024-2025 Catalog



FRESHMAN YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
ENGR 1201		Intro to Engineering	2		ENGR 1204	Engineering Graphics I	2
ENGL 1301		Composition I	3	MATH 2414		Calculus II	4
MATH 2413		Calculus I	4	PHYS 2425		University Physics I	4
CHEM 1411		General Chemistry	4	SPCH 1315		Public Speaking	3
GOVT 2306		Texas Government	3	ENGL 1302		Composition II	3
			16				16

SOPHOMORE YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
GOVT 2305		Federal Government	3	ENGR 2302	ENGR 2302	Engineering Mechanics: Dynamics; Dynamics	3
HIST 1301		US History I	3	ECON 2301 or 2302		Macro- or Microeconomics	3
ENGR 2301	ENGR 2301	Engineering Mechanics: Statics; Statics	3		MATH 3305	Ordinary Differential Equations	3
MATH 2415	MATH 2415	Calculus III; Multivariate Calculus	4	HIST 1302		US History II	3
PHYS 2426		University Physics II	4	PHIL 2306		Intro to Ethics	3
			17			Additional Science Elective	3
							18

JUNIOR YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
	CENG 3434	Civil Engineering Materials, Codes, and	4		CENG 3361	Applied Engineering Hydrology and Hydraulic	3
	CENG 3310	Fluid Mechanics and Hydraulics	3		CENG 3351	Transportation Engineering Systems	3
	MATH 3351	Probability and Statistics for Engineers and	3		CENG 3371	Introduction to Environmental Engineering	3
	CENG 4339	Civil Engineering Construction Management	3		CENG 3336	Soil Mechanics and Foundation Design	3
	CENG 3306	Mechanics of Materials	3		CENG 3325	Structural Analysis	3
			16				15

SENIOR YEAR

Fall				Spring			
KC	UT Tyler	Title	Hours	KC	UT Tyler	Title	Hours
	CENG 4412	Reinforced Concrete and Steel Design	4		CENG 4315	Senior Design II	3
	CENG 4351	Traffic Engineering: Operations and Control	3		CENG 4341	Civil Engineers and Leadership, Public Policy, Business Practices, and Asset Management	3
	CENG 4371	Environmental Engineering Design	3			Creative Arts (3 hrs.)	3
	CENG 4381	Foundation Design	3			CENG Approved Technical Electives	3
	CENG 4115	Senior Design I	1			CENG Approved Technical Electives	3
	CENG 4109	Preparation for Professional Practice in Civil	1				
			15				15

Total Credit Hours at Kilgore College 67
Total Credit Hours at UT Tyler 61
Total Credit Hours 128

Courses highlighted on the pathway can be taken via co-enrollment at UT Tyler.