

Bachelor of Science in Chemical Engineering

Recommended 4-Year Course Sequence 2024-2025 Catalog



Total Credit Hours at Tyler Junior College

Total Credit Hours at UT Tyler 63
Total Credit Hours 128

		FI	RESHM	AN YEAR			
		Fall				Spring	
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hou
NGR 1201	C. Tyles	Introduction to Engineering	2	ENGL 2311	C	Technical and Business Writing	3
NGL 1301		College Composition I	3	MATH 2414		Calculus II	4
MATH 2413		Calculus I	4	CHEM 1412		General Chemistry II	4
HEM 1411		General Chemistry I	4	PHYS 2425		University Physics I	4
IIST 1301		United States History I	3	11115 2 125		O inversity + injures +	† ·
OSC 1301*		Intro to Computing (TJC Institutional requirement)	0				
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		SO	•	ORE YEAR			15
		Fall		A		Spring	
TJC	UT Tyler	Title	Hours	TJC	UT Tyler	Title	Hou
NGR 2301	, -	Engineering Mechanics: Statics	3	ENGR 2302**		Engineering Mechanics: Dynamics**	3
PCH 1315		Introduction to Public Speaking	3	CHEM 2425		Organic Chemistry II	4
/ATH 2415		Calculus III	4	PHYS 2426		University Physics II	4
HEM 2423		Organic Chemistry I	4	MATH 2320		Differential Equations	3
CHEWI 2423	CHEN 2310	Intro to Chemical Engineering	3	111111111111111111111111111111111111111	CHEN 3301	Chemical Engineering Thermodynamics I	3
	CHEN 2310	intro to chemical Engineering			CHEN 3301	Chemical Engineering Thermodynamics i	+ -
			17				17
				R YEAR			17
			JUNIOR	N IEAN			
TJC	UTToles	Fall Title	Hours	TJC	UTTolon	Spring Title	11
IJC	UT Tyler CHEN 3330		Hours 3	IJC	UT Tyler CHEN 3360		Hou 3
	CHEN 3330	Fluid Machanics Chemical Engineering Thermodynamics II	3		CHEN 3340	Chemical Reaction Engineering	3
		TCHEIHCALEHRINEEHING THEIHIOUVHAIHICS II))				1 2
						Heat Transfer	3
	CHEN 3310	Chemical Engineering Materials	3		CHEN 3320	Mass Transfer	3
	CHEN 3310 CHEM 3310	Chemical Engineering Materials Analytical Chemistry	3			Mass Transfer CHEN Approved Elective	3
	CHEN 3310 CHEM 3310 CHEM 3111	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory	3			Mass Transfer	3
	CHEN 3310 CHEM 3310	Chemical Engineering Materials Analytical Chemistry	3			Mass Transfer CHEN Approved Elective	3
	CHEN 3310 CHEM 3310 CHEM 3111	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory	3			Mass Transfer CHEN Approved Elective	3 3
	CHEN 3310 CHEM 3310 CHEM 3111	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory	3			Mass Transfer CHEN Approved Elective	3
	CHEN 3310 CHEM 3310 CHEM 3111	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit	3 1 3 3	RYEAR		Mass Transfer CHEN Approved Elective	3 3
	CHEN 3310 CHEM 3310 CHEM 3111	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit	3 1 3 3	R YEAR		Mass Transfer CHEN Approved Elective	3 3
TJC	CHEN 3310 CHEM 3310 CHEM 3111	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit	3 1 3 3	R YEAR TJC		Mass Transfer CHEN Approved Elective Creative Arts Core	3 3 3
TJC	CHEM 3310 CHEM 3310 CHEM 3111 MATH 3351	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall	3 1 5 3 16 SENIOR		CHEN 3320	Mass Transfer CHEN Approved Elective Creative Arts Core Spring	3 3 3
TJC	CHEM 3310 CHEM 3310 CHEM 3111 MATH 3351 UT Tyler	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall Title	3 1 s 3 16 SENIOR		CHEN 3320	Mass Transfer CHEN Approved Elective Creative Arts Core Spring Title	3 3 3 15
TJC	CHEN 3310 CHEM 3310 CHEM 3111 MATH 3351 UT Tyler CHEN 4310	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall Title Separation Processes	3 1 5 3 16 SENIOR		UT Tyler CHEN 4109	Mass Transfer CHEN Approved Elective Creative Arts Core Spring Title Senior Seminar Chemical Plant Design II Chemical Engineering Labratory II	3 3 3 15 Hou
TJC	CHEN 3310 CHEM 3310 CHEM 3111 MATH 3351 UT Tyler CHEN 4310 CHEN 4320	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall Title Separation Processes Chemical Engineering Labratory I	3 1 5 3 16 SENION Hours 3 3		UT Tyler CHEN 4109 CHEN 4371	Mass Transfer CHEN Approved Elective Creative Arts Core Spring Title Senior Seminar Chemical Plant Design II	3 3 3 15 Hou 1 3
TJC	CHEN 3310 CHEM 3310 CHEM 3111 MATH 3351 UT Tyler CHEN 4310 CHEN 4320 CHEN 4330	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall Title Separation Processes Chemical Engineering Labratory I Process Control and Safety	3 1 5 3 3 SENIOR		UT Tyler CHEN 4109 CHEN 4371 CHEN 4360	Mass Transfer CHEN Approved Elective Creative Arts Core Spring Title Senior Seminar Chemical Plant Design II Chemical Engineering Labratory II	3 3 3 15 Hou 1 3 3
TJC	UT Tyler CHEN 4310 CHEM 3310 CHEM 3111 MATH 3351 UT Tyler CHEN 4310 CHEN 4320 CHEN 4320 CHEN 4370 POLS 2306	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall Title Separation Processes Chemical Engineering Labratory I Process Control and Safety Chemical Plant Design I Introduction to Texas Politics	3 1 3 3 16 SENION Hours 3 3 3		UT Tyler CHEN 4109 CHEN 4371 CHEN 4360 HIST 1303	Mass Transfer CHEN Approved Elective Creative Arts Core Spring Title Senior Seminar Chemical Plant Design II Chemical Engineering Labratory II History of Technology and Innovation in US Society	3 3 3 15 Hou 1 3 3
TJC	CHEN 3310 CHEM 3310 CHEM 3111 MATH 3351 UT Tyler CHEN 4310 CHEN 4320 CHEN 4330 CHEN 4170	Chemical Engineering Materials Analytical Chemistry Analytical Chemistry Labratory Probability and Statistics for Engineers and Scientisit Fall Title Separation Processes Chemical Engineering Labratory I Process Control and Safety Chemical Plant Design I	3 1 3 3 16 SENION Hours 3 3 3		UT Tyler CHEN 4109 CHEN 4371 CHEN 4360 HIST 1303	Mass Transfer CHEN Approved Elective Creative Arts Core Spring Title Senior Seminar Chemical Plant Design II Chemical Engineering Labratory II History of Technology and Innovation in US Society	3 3 3 15 Hou 1 3 3

* COSC 1301 Required for AS completion for TJC, not used in UTTyler Degree Plan

** ENGR 2302 Used as CHEN Approved Elective in CHEN Degree Plan at UTTyler