

Suggested Arrangement of Courses, Chemical Engineering (BSChE)

Requirements		Hours
1st Semester		
CH 302	Principles of Chemistry II (Core) ⁰⁹³	3
CHE 210	Introduction to Computing (Major)	2
M 408C	Differential and Integral Calculus (Core) ⁰²⁰	4
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
Social and Behavioral Sciences (Core) ⁰⁸⁰		3
2nd Semester		
CH 204	Introduction to Chemical Practice (Major)	2
M 408D	Sequences, Series, and Multivariable Calculus (General Education)	4
PHY 303K & PHY 105M	Engineering Physics I and Laboratory For Physics 302K, 303K, and 317K (Core) ⁰³⁰	4
UGS 302	First-Year Signature Course (Core) ⁰⁹⁰	3
or UGS 303	First-Year Signature Course	
GOV 310L	American and Texas Government (Core) ⁰⁷⁰	3
3rd Semester		
CH 328M & CH 128K	Organic Chemistry I and Organic Chemistry Laboratory (Major)	4
CHE 317	Introduction to Chemical Engineering Analysis (Major)	3
M 427J	Differential Equations with Linear Algebra (General Education)	4
PHY 303L & PHY 105N	Engineering Physics II and Laboratory For Physics 302L, 303L, and 317L (Core) ⁰³⁰	4
4th Semester		
CH 328N & CH 128L	Organic Chemistry II and Organic Chemistry Laboratory (Major)	4
CH 353	Physical Chemistry I (Major)	3
CHE 319	Transport Phenomena (Major)	3
E 316L	British Literature (Core) ⁰⁴⁰	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
M 427L	Advanced Calculus for Applications II (Major)	4
5th Semester		
CH 153K	Physical Chemistry Laboratory (Major)	1
CHE 322	Thermodynamics (Major)	3
E S 333T	Engineering Communication (General Education)	3

CHE 253K	Applied Statistics (Major)	2
CHE 354	Transport Processes (Major)	3
Chemistry Elective (Elective)		4
6th Semester		
CHE 253M	Measurement, Control, and Data Analysis Laboratory (Major)	2
CHE 363	Separation Processes and Mass Transfer (Major)	3
CHE 348	Numerical Methods in Chemical Engineering and Problem Solving (Major)	3
CHE 338	Biochemical Engineering (Major)	3
U.S. History (Core) ⁰⁶⁰		3
Visual and Performing Arts (Core) ⁰⁵⁰		3
7th Semester		
CHE 350	Chemical Engineering Materials (Major)	3
CHE 264	Chemical Engineering Process and Projects Laboratory (Major)	2
CHE 372	Chemical Reactor Analysis and Design (Major)	3
Approved Engineering Area Course (Elective)		3
GOV 312L	Issues and Policies in American Government (Core) ⁰⁷⁰	3
Approved Technical Area Course (Elective)		3
8th Semester		
CHE 360	Process Control (Major)	3
CHE 473K	Process Design and Operations (Major)	4
U.S. History (Core) ⁰⁶⁰		3
Approved Engineering Area Course (Elective)		3
Approved Technical Area Course (Elective)		3
Total Hours		129

Four-year degree suggestion (for planning purposes only).

Currently enrolled students should meet with their academic advisor.

Course categories: Core, General Education[†], Major, Elective, Opportunity

Core Component Areas: ⁰¹⁰ Communication; ⁰²⁰ Mathematics; ⁰³⁰ Natural Science and Technology, Part I; ⁰⁴⁰ Humanities; ⁰⁵⁰ Visual and Performing Arts; ⁰⁶⁰ U.S. History; ⁰⁷⁰ American and Texas Government; ⁰⁸⁰ Social and Behavioral Sciences; ⁰⁹⁰ First-Year Signature Course; ⁰⁹³ Natural Science and Technology, Part II

Undergraduate Degree Program listing.

[†] Effective April 2025, UT Austin no longer requires Skills and Experience flags.