

Suggested Arrangement of Courses, Aerospace Engineering (BSAsE)

Requirements		Hours
1st Semester		
M 408C	Differential and Integral Calculus (Core) ⁰²⁰	4
CH 301	Principles of Chemistry I (Core) ⁰³⁰	3
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
Social and Behavioral Sciences (Core) ⁰⁸⁰		3
UGS 302	First-Year Signature Course (Core) ⁰⁹⁰	3
or UGS 303	First-Year Signature Course	
2nd Semester		
M 408D	Sequences, Series, and Multivariable Calculus (Major)	4
COE 301	Introduction to Computer Programming (Major)	3
PHY 303K	Engineering Physics I (Core) ⁰³⁰	3
U.S. History (Core) ⁰⁶⁰		3
GOV 310L	American and Texas Government (Core) ⁰⁷⁰	3
3rd Semester		
M 427J	Differential Equations with Linear Algebra (Major)	4
E M 306	Statics (Major)	3
PHY 303L & PHY 105N	Engineering Physics II and Laboratory For Physics 302L, 303L, and 317L (Core) ⁰⁹³	4
M E 210	Engineering Design Graphics (Major)	2
M E 310T	Applied Thermodynamics (Major)	3
4th Semester		
M 427L	Advanced Calculus for Applications II (Major)	4
COE 311K	Engineering Computation (Major)	3
E M 311M	Dynamics (Major)	3
E M 319	Mechanics of Solids (Major)	3
E S 333T	Engineering Communication (Major)	3
5th Semester		
ASE 320 & ASE 120K	Low-Speed Aerodynamics and Low-Speed Aerodynamics Laboratory (Major)	4
ASE 330M	Linear System Analysis (Major)	3
ASE 366K	Spacecraft Dynamics (Major)	3
Structures (Elective)		3
E 316L	British Literature (Core) ⁰⁴⁰	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
6th Semester		
ASE 362K	Compressible Flow (Major)	3

ASE 367K	Flight Dynamics (Major)	3
ASE course (Elective)		3
ASE 370C	Feedback Control Systems (Major)	3
ASE 375	Electromechanical Systems (Major)	3
7th Semester		
ASE 376K	Propulsion (Major)	3
ASE course (Elective)		3
ASE course (Elective)		3
Design course + 1 Lab (Elective)		4
Visual and Performing Arts (Core) ⁰⁵⁰		4
8th Semester		
ASE 324L	Aerospace Materials Laboratory (Major)	3
ASE course (Elective)		3
Design 2 course (Elective)		3
U.S. History (Core) ⁰⁶⁰		3
GOV 312L	Issues and Policies in American Government (Core) ⁰⁷⁰	3
Total Hours		127

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.