Suggested Arrangement of Courses, Physics (BSPhy)

Requirements		Hours
1st Semester		
M 408C	Differential and Integral Calculus (Core, Major) [020]	4
CH 301	Principles of Chemistry I (Core, Major) [093]	3
RHE 306	Rhetoric and Writing (Core) [010]	3
UGS 302	First-Year Signature Course (Core) [090]	3
GOV 310L	American and Texas Government (Core) [070]	3
2nd Semester		
M 408D	Sequences, Series, and Multivariable Calculus (Major)	4
PHY 301	Mechanics (Core, Major) [030]	3
PHY 101L	Laboratory for Physics 301 (Major)	1
CH 302	Principles of Chemistry II (Major)	3
Visual and Performing Arts (Core) [050]		3
GOV 312L	Issues and Policies in American Government (Core) [070]	3
3rd Semester		
M 427J	Differential Equations with Linear Algebra	4
PHY 316	Electricity and Magnetism (Core, Major) [030]	3
PHY 116L	Laboratory for Physics 316 (Major)	1
Social and Behavioral Sciences (Core) [080]		3
Foreign Language (General Education)		6
4th Semester		
M 427L	Advanced Calculus for Applications II (Major)	4
PHY 315	Wave Motion and Optics (Major)	3
PHY 115L	Laboratory for Physics 315 (Major)	1
PHY 355	Modern Physics and Thermodynamics (Major)	3
Foreign Language (General Education)		6
5th Semester		
PHY 353L	Modern Physics Laboratory (Major)	3
PHY 336K	Classical Dynamics (Major)	3
Upper-division M course (Major)		3
AST, BIO, or GEO course (Major)		3
U.S. History (Core) [060]		3
6th Semester		
PHY 373	Quantum Physics I: Foundations (Major)	3
PHY 352K	Classical Electrodynamics I (Major)	3
Upper-division M course (Major)		3
AST, BIO, or GEO course (Major)		3
U.S. History (Core) [060]		3
7th Semester		
PHY 369	Thermodynamics and Statistical Mechanics (Major)	3
PHY 362K	Quantum Physics II: Atoms and Molecules (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	
Free electives (Elective)		6
8th Semester		
PHY 362L	Quantum Physics III: Particles and Nuclei (Major)	3
or PHY 352L	Classical Electrodynamics II	
or PHY 375R	Introduction to Relativity	
or PHY 375S	Introductory Solid-State Physics	
PHY 474	Advanced Laboratory I (Major)	4
Free electives (Elective)		7
Total Hours		**126**

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.