

Suggested Arrangement of Courses, Physics (BSA)

Requirements		Hours
1st Semester		
M 408C	Differential and Integral Calculus (Core, Major) ⁰²⁰	4
Secondary Science course (Core, Major) ⁰⁹³		3
RHE 306	Rhetoric and Writing (Core) ⁰¹⁰	3
UGS 302	First-Year Signature Course (Core) ⁰⁹⁰	3
or UGS 303	First-Year Signature Course	
Social and Behavioral Sciences (Core) ⁰⁸⁰		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
Language, Arts, and Culture (General Education)		3
GOV 310L	American and Texas Government (Core) ⁰⁷⁰	3
Free elective (Elective)		2
3rd Semester		
M 427L	Advanced Calculus for Applications II (Major)	4
PHY 316	Electricity and Magnetism (Core, Major) ⁰³⁰	3
PHY 116L	Laboratory for Physics 316 (Major)	1
GOV 312L	Issues and Policies in American Government (Core) ⁰⁷⁰	3
Minor/Certificate course (Major)		3
4th Semester		
M 427L	Advanced Calculus for Applications II (Major)	4
PHY 315 & PHY 115L	Wave Motion and Optics and Laboratory for Physics 315 (Major)	4
E 316L	British Literature (Core) ⁰⁴⁰	3
or E 316M	American Literature	
or E 316N	World Literature	
or E 316P	Masterworks of Literature	
Minor/Certificate course (Major)		3
5th Semester		
PHY 355	Modern Physics and Thermodynamics (Major)	3
PHY 336K	Classical Dynamics (M)	3
Minor/Certificate course (Major)		3
Language, Arts, and Culture (General Education)		3
U.S. History (Core) ⁰⁶⁰		3
6th Semester		
PHY 373	Quantum Physics I: Foundations (Major)	3
PHY 352K	Classical Electrodynamics I (Major)	3

Minor/Certificate course (Major)		3
Language, Arts, and Culture (General Education)		3
U.S. History (Core) ⁰⁶⁰		3
7th Semester		
PHY 369	Thermodynamics and Statistical Mechanics (Major)	3
Minor/Certificate course		3
Language, Arts, and Culture (General Education)		3
Free elective (Elective)		3
Free elective (Elective)		3
8th Semester		
M 340L	Matrices and Matrix Calculations (Major)	3
or Upper-division PHY course		
Minor/Certificate course		3
Visual and Performing Arts (Core) ⁰⁵⁰		3
Free elective (Elective)		3
Free elective (Elective)		3
Total Hours		120

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.