

Requirements Min. Hours Required

CORE CURRICULUM

Core courses must be chosen from approved lists. bit.ly/1d6oP6l

First Year Signature Course	3
English Composition	3
Humanities	3
American & Texas Government	6
American History	6
Social & Behavioral Science	3
Mathematics (Fulfilled by course in major)	0
Science & Technology-I (Fulfilled by courses in major)	0
Science & Technology-II (Fulfilled by courses in major)	0
Visual & Performing Arts	3
Writing Intensive Course	3

FOREIGN LANGUAGE

1 of the following:

- Beginning level proficiency in a foreign language
- 1 course in a foreign language & 1 three-hour course in the culture of the same language area
- 2 three-hour courses from the same foreign culture area

Foreign culture courses selected from approved lists maintained by the college. [Bit.ly/19Ao6pc](https://bit.ly/19Ao6pc)

INTRODUCTORY MATHEMATICS & SCIENCE

M 408C & 408D or 408N, 408S, & 408M	8–12
PHY 301 & 101L*, 316 & 116L*, and 315 & 115L	12
* PHY 303K & 105M and 303L & 105N, substitute for PHY 301 & 101L and 316 & 116L. However, they are not preferred preparation for PHY 315 & 115L.	
CH 301 or 301C	3
CH 302 or 302C	3

Note: Introductory science is substantially different for Option 6

Requirements Min. Hours Required

OPTION 1: PHYSICS

Designed to give the student a strong foundation for graduate study or work in physics and for further study or work in a variety of other areas.

Additional science	6
6 hours in BIO, GEO, or AST Note: course that cannot count toward major requirements in department that offers it cannot be applied.	
Upper-division mathematics:	14
M 427J or 427K M 427L 6 additional hours of upper-division Mathematics M 340L, 361, and 362K are recommended	
Upper-division physics:	25
PHY 355 Modern Physics & Thermodynamics PHY 353L Modern Physics Laboratory PHY 336K Classical Dynamics PHY 352K Classical Electrodynamics I PHY 373 Quantum Physics I: Foundations PHY 369 Thermodynamics & Statistical Mechanics PHY 362K Quantum Physics II: Atoms & Molecules PHY 474 Advanced Laboratory I	
One of the following:	3
PHY 362L Quantum Physics III: Particles & Nuclei PHY 352L Classical Electrodynamics II PHY 375C Cosmology and AstroParticle Physics PHY 375R Introduction to Relativity PHY 375S Introductory Solid-State Physics	
ELECTIVES	
Enough elective hours to reach 126 total (The number of elective hours needed may vary depending on course selections.)	VARY

ADDITIONAL GRADUATION REQUIREMENTS

- ☐ Minimum 21 upper-division hours in residence, including 12 in Physics
- ☐ Minimum 60 hours in residence overall
- ☐ Minimum 36 upper-division hours
- ☐ 126 hours total overall
- ☐ Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses
- ☐ Minimum UT-Austin Grade Point Average of 2.0
- ☐ Must apply to graduate during final semester
- ☐ 2026-28 Catalog expires August 2034