

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 SCIENCE

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

Introductory science in Option 2 is different than in this option.

Requirements Min. Hours Required

OPTION 1: ASTRONOMY

Additional science:	6
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6 hours in BIO, CH, CS, and/or GEO

Note: a course that cannot count toward major requirements in department that offers it cannot be applied. Elements of Computing coursework is an exception to this rule.

Upper-division mathematics:	11
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M 427J or 427K
M 427L
3 hours any upper-division math

Upper-division astronomy:	18
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AST 307 Introductory Astronomy
AST 352K Stellar Astronomy or 364P Planetary Systems
AST 353 Astrophysics
AST 358 Galaxies and the Universe or 376C Cosmology
AST 275 or 375 Topics in Astronomy Research or 376R A Practical Intro. to Research Methods
3 additional upper-division hours in AST

Upper-division physics:	18
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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

Upper-division astronomy/physics:	6
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6 additional upper division hours in PHY and/or AST and/or M

ELECTIVES

Enough elective hours to reach 123 total	VARY
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(The number of elective hours needed may vary depending on course selections.)

ADDITIONAL GRADUATION REQUIREMENTS

- ☐ Minimum 21 upper-division hours in residence, including 12 in
- ☐ Physics and Astronomy
- ☐ Minimum 60 hours in residence overall
- ☐ Minimum 36 upper-division hours
- ☐ 123 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