

CORE CURRICULUM	Minimum Hours Required	OPTION 1: ASTRONOMY	Minimum Hours Required
Core courses must be chosen from approved lists. <i>bit.ly/1d6oP6l</i>		Additional science: 6 hours in BIO, CH, CS, and/or GEO <i>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.</i>	6
First Year Signature Course	3	Upper-division mathematics: M 427J or 427K M 427L M 340L	11
English Composition	3	Upper-division astronomy: AST 352K Stellar Astronomy AST 353 Astrophysics AST 358 Galaxies and the Universe 3 additional upper-division hours in AST <i>Note: AST 364P, 376C, or 376R are recommended.</i>	12
Humanities	3	Upper-division physics: 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	21
American & Texas Government	6	Upper-division astronomy/physics: 9 additional upper-division hours in PHY and/or AST	9
American History	6	ELECTIVES Enough elective hours to reach 123 total <i>(The number of elective hours needed may vary depending on course selections.)</i>	VARY
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		
SKILLS & EXPERIENCE FLAGS <i>Flags attached to courses are displayed in the online Course Schedule.</i>			
Two Writing Flags:	<input type="checkbox"/> <input type="checkbox"/>		
1. Core Writing Flag (<i>cannot also fulfill another core curriculum requirement</i>)			
2. Additional Writing Flag <i>Note: One of the two writing flags must be upper-division.</i>	<input type="checkbox"/>		
One Quantitative Reasoning Flag	<input type="checkbox"/>		
One Global Cultures Flag	<input type="checkbox"/>		
One Cultural Diversity in the U.S. Flag	<input type="checkbox"/>		
One Ethics and Leadership Flag	<input type="checkbox"/>		
One Independent Inquiry Flag	<input type="checkbox"/>		
FOREIGN LANGUAGE			
1 of the following:	6–12		
a. Beginning level proficiency in a foreign language			
b. 1 course in a foreign language & 1 three-hour course in the culture of the same language area			
c. 2 three-hour courses from the same foreign culture area			
<i>Foreign culture courses selected from approved lists maintained by the college. Bit.ly/19Ao6pc</i>			
INTRODUCTORY SCIENCE			
M 408C & 408D or 408N, 408S, & 408M	8–12		
PHY 301 & 101L*, 316 & 116L*, and 315 & 115L	12		
<i>* PHY 303K & 103M and 303L & 103N, substitute for PHY 301 & 101L and 316 & 116L. However, they are not preferred preparation for PHY 315 & 115L.</i>			
<i>Introductory science in Option 2 is different than in this option.</i>			
		ADDITIONAL GRADUATION REQUIREMENTS <input type="checkbox"/> Minimum 21 upper-division hours in residence, including 12 in Physics and Astronomy <input type="checkbox"/> Minimum 60 hours in residence overall <input type="checkbox"/> Minimum 36 upper-division hours <input type="checkbox"/> 123 hours total overall <input type="checkbox"/> Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses <input type="checkbox"/> Minimum UT-Austin Grade Point Average of 2.0 <input type="checkbox"/> Must apply to graduate during final semester <input type="checkbox"/> 2018–20 Catalog expires August 2026	