

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 3 hours any upper-division math	11
English Composition	3	Upper-division astronomy: 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 375 Topics in Astronomy Research or 376R A Practical Intro. to Research Methods 3 additional upper-division hours in AST	18
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	18
American & Texas Government	6	Upper-division astronomy/physics: 6 additional upper division hours in PHY and/or AST and/or M	6
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 & 105M and 303L & 105N, 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"/> 2022–24 Catalog expires August 2030	