

CORE CURRICULUM	Minimum Hours Required	OPTION 4: SPACE SCIENCES	Minimum Hours Required
<p>Core courses must be chosen from approved lists. <i>bit.ly/1d6oP6l</i></p>		<p>Designed to provide the necessary foundation for the student who plans a career or further study in space sciences.</p>	
<b>First Year Signature Course</b>	<b>3</b>	<b>Additional Science:</b>	<b>6</b>
<b>English Composition</b>	<b>3</b>	6 hours in BIO, GEO, or AST <i>Note: courses that cannot count toward major requirements in department that offers it cannot be applied.</i>	
<b>Humanities</b>	<b>3</b>	<b>Upper-division mathematics:</b>	<b>14</b>
<b>American &amp; Texas Government</b>	<b>6</b>	M 427J or 427K M 427L 6 additional hours of upper-division Mathematics <i>M 340L, 361, and 362K are recommended</i>	
<b>American History</b>	<b>6</b>	<b>Upper-division physics:</b>	<b>24</b>
<b>Social &amp; Behavioral Science</b>	<b>3</b>	PHY 355 Modern Physics & Thermodynamics PHY 353L Modern Physics Laboratory PHY 336K Classical Dynamics PHY 352K Classical Electrodynamics I PHY 329 Introduction to Computational Physics PHY 373 Quantum Physics I: Foundations PHY 369 Thermodynamics & Statistical Mechanics PHY 362K Quantum Physics II: Atoms & Molecules	
<b>Mathematics</b> (Fulfilled by course in major)	<b>0</b>	<b>1 of the following:</b>	<b>15</b>
<b>Science &amp; Technology-I</b> (Fulfilled by courses in major)	<b>0</b>	15 upper-division ASE hours or 12 upper-division ASE & 3 additional upper-division PHY hours	
<b>Science &amp; Technology-II</b> (Fulfilled by courses in major)	<b>0</b>		
<b>Visual &amp; Performing Arts</b>	<b>3</b>		
<b>SKILLS &amp; EXPERIENCE FLAGS</b>		<b>ELECTIVES</b>	
Flags attached to courses are displayed in the online Course Schedule.		<b>Enough elective hours to reach 126 total</b>	<b>VARY</b>
<b>Two Writing Flags:</b>	<input type="checkbox"/> <input type="checkbox"/>	(The number of elective hours needed may vary depending on course selections.)	
1. Core Writing Flag (cannot also fulfill another core curriculum requirement)			
2. Additional Writing Flag <i>Note: One of the two writing flags must be upper-division.</i>	<input type="checkbox"/>		
<b>One Quantitative Reasoning Flag</b>	<input type="checkbox"/>		
<b>One Global Cultures Flag</b>	<input type="checkbox"/>		
<b>One Cultural Diversity in the U.S. Flag</b>	<input type="checkbox"/>		
<b>One Ethics and Leadership Flag</b>	<input type="checkbox"/>		
<b>One Independent Inquiry Flag</b>	<input type="checkbox"/>		
<b>FOREIGN LANGUAGE</b>		<b>ADDITIONAL GRADUATION REQUIREMENTS</b>	
<b>1 of the following:</b>	<b>6–12</b>	<input type="checkbox"/> Minimum 21 upper-division hours in residence, including 12 in Physics	
a. Beginning level proficiency in a foreign language		<input type="checkbox"/> Minimum 60 hours in residence overall	
b. 1 course in a foreign language & 1 three-hour course in the culture of the same language area		<input type="checkbox"/> Minimum 36 upper-division hours	
c. 2 three-hour courses from the same foreign culture area		<input type="checkbox"/> 126 hours total overall	
<i>Foreign culture courses selected from approved lists maintained by the college. Bit.ly/19Ao6pc</i>		<input type="checkbox"/> Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses	
<b>INTRODUCTORY MATHEMATICS &amp; SCIENCE</b>		<input type="checkbox"/> Minimum UT-Austin Grade Point Average of 2.0	
<b>M 408C &amp; 408D or 408N, 408S, &amp; 408M</b>	<b>8–12</b>	<input type="checkbox"/> 2022–24 Catalog expires August 2030	
<b>PHY 301 &amp; 101L*, 316 &amp; 116L*, and 315 &amp; 115L</b>	<b>12</b>		
<i>*PHY 303K &amp; 105M and 303L &amp; 105N, substitute for PHY 301 &amp; 101L and 316 &amp; 116L. However, they are not preferred preparation for PHY 315 &amp; 115L.</i>			
<b>CH 301 or 301C</b>	<b>3</b>		
<b>CH 302 or 302C</b>	<b>3</b>		
<i>Note: Introductory science is substantially different for Option 6</i>			