

CORE CURRICULUM	Minimum Hours Required	OPTION 3: RADIATION PHYSICS	Minimum Hours Required
<p>Core courses must be chosen from approved lists. bit.ly/1d6oP6I</p> <p>First Year Signature Course 3</p> <p>English Composition 3</p> <p>Humanities 3</p> <p>American & Texas Government 6</p> <p>American History 6</p> <p>Social & Behavioral Science 3</p> <p>Mathematics (Fulfilled by course in major) 0</p> <p>Science & Technology-I (Fulfilled by courses in major) 0</p> <p>Science & Technology-II (Fulfilled by courses in major) 0</p> <p>Visual & Performing Arts 3</p>		<p>Designed to provide the necessary foundation for the student who plans a career or further study in nuclear engineering, radiation engineering, or health physics.</p> <p>Additional Science: 6 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></p> <p>Upper-division mathematics: 14 M 427J or 427K M 427L 6 additional hours of upper-division Mathematics <i>M 340L, 361, and 362K are recommended</i></p> <p>Upper-division physics: 24 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 362L Quantum Physics III: Particles & Nuclei 3 additional hours of upper-division PHY</p> <p>Upper-division mechanical engineering: 18 ME 337C, 337F, 337G, 361E, 361F, and 336P <i>Potential substitutions may be discussed with faculty advisor</i></p>	
<p style="border-top: 2px solid black; border-bottom: 2px solid black;">SKILLS & EXPERIENCE FLAGS</p> <p>Flags attached to courses are displayed in the online Course Schedule.</p> <p>Two Writing Flags: <input type="checkbox"/> <input type="checkbox"/></p> <p>1. Core Writing Flag (cannot also fulfill another core curriculum requirement)</p> <p>2. Additional Writing Flag <i>Note: One of the two writing flags must be upper-division.</i></p> <p>One Quantitative Reasoning Flag <input type="checkbox"/></p> <p>One Global Cultures Flag <input type="checkbox"/></p> <p>One Cultural Diversity in the U.S. Flag <input type="checkbox"/></p> <p>One Ethics and Leadership Flag <input type="checkbox"/></p> <p>One Independent Inquiry Flag <input type="checkbox"/></p>		<p style="border-top: 2px solid black; border-bottom: 2px solid black;">ELECTIVES</p> <p>Enough elective hours to reach 126 total VARY <i>(The number of elective hours needed may vary depending on course selections.)</i></p>	
<p style="border-top: 2px solid black; border-bottom: 2px solid black;">FOREIGN LANGUAGE</p> <p>1 of the following: 6–12</p> <p>a. Beginning level proficiency in a foreign language</p> <p>b. 1 course in a foreign language & 1 three-hour course in the culture of the same language area</p> <p>c. 2 three-hour courses from the same foreign culture area</p> <p><i>Foreign culture courses selected from approved lists maintained by the college. Bit.ly/19Ao6pc</i></p>		<p style="border-top: 2px solid black; border-bottom: 2px solid black;">ADDITIONAL GRADUATION REQUIREMENTS</p> <p><input type="checkbox"/> Minimum 21 upper-division hours in residence, including 12 in Physics</p> <p><input type="checkbox"/> Minimum 60 hours in residence overall</p> <p><input type="checkbox"/> Minimum 36 upper-division hours</p> <p><input type="checkbox"/> 126 hours total overall</p> <p><input type="checkbox"/> Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses</p> <p><input type="checkbox"/> Minimum UT-Austin Grade Point Average of 2.0</p> <p><input type="checkbox"/> Must apply to graduate during final semester</p> <p><input type="checkbox"/> 2024-26 Catalog expires August 2032</p>	
<p style="border-top: 2px solid black; border-bottom: 2px solid black;">INTRODUCTORY MATHEMATICS & SCIENCE</p> <p>M 408C & 408D or 408N, 408S, & 408M 8–12</p> <p>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></p> <p>CH 301 or 301C 3</p> <p>CH 302 or 302C 3</p>			
<p><i>Note: Introductory science is substantially different for Option 6</i></p>			