

CORE CURRICULUM	Minimum Hours Required	INTRODUCTORY SCIENCE	Minimum Hours Required
Core courses must be chosen from approved lists. <i>bit.ly/1d6oP6l</i>		M 408C & 408D or 408N & 408S & 408M	8–12
First Year Signature Course	3	CH 301C and 302C	6
English Composition	3	1 of the following organic chemistry sequences:	8
Humanities	3	CH 328M & 128K, 328N & 128L; CH 128K, 128L, 328C, and 329C; or CH 320M, 320N, and 220C	
American & Texas Government	6	<i>Note: Introductory science is substantially different for Focus Area 6 (Chemistry Honors).</i>	
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		
SKILLS & EXPERIENCE FLAGS		ELECTIVES	
Flags attached to courses are displayed in the online Course Schedule.		Enough elective hours to reach 126 total	VARY
Two Writing Flags:	<input type="checkbox"/> <input type="checkbox"/>	<i>(The number of elective hours needed may vary depending on course selections.)</i>	
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>			
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"/>		
TEACHING INSTRUCTION COURSEWORK		ADDITIONAL GRADUATION REQUIREMENTS	
HIS 329U or PHL 329U	3	<input type="checkbox"/> Minimum 21 upper-division hours in residence	
UTS 101, 110	2	<input type="checkbox"/> Minimum 12 upper-division CH hours in residence	
EDC 365C or UTS 350	3	<input type="checkbox"/> Minimum 60 hours in residence overall	
EDC 365D or UTS 355	3	<input type="checkbox"/> Minimum 36 upper-division hours	
EDC 365E or UTS 360	3	<input type="checkbox"/> 126 hours total overall	
EDC 651S (Topic 4: Secondary School Teaching Practicum: Science) and UTS 170	7	<input type="checkbox"/> Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses	
<i>Grades of at least C- are required in all courses in this section</i>		<input type="checkbox"/> Minimum UT-Austin Grade Point Average of 2.5	
Middle Grade Certification (Optional)		<input type="checkbox"/> Must apply to graduate during final semester	
<i>Note: Middle Grade certificate is only available for Composite Science certificate (NOT for Math/ Physical Science/Engineering and Physical Science)</i>		<input type="checkbox"/> 2024–26 Catalog expires August 2032	
EDC 339F	3		
<i>Grades of at least C- are required in all courses in this section</i>			

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for FOCUS
AREA V:
Certifications

FOCUS AREA V: TEACHING	Minimum Hours Required	Mathematics, Physical Science, and Engineering Certification	Minimum Hours Required
Complete all coursework in 1 of the following certifications:			
Composite Science Certification			
1 of the following sequences*:	8	1 of the following sequences: PHY 301, 101L, 316, 116L, 315, 115L PHY 303K, 105M, 303L, 105N, 315, 115L	12
PHY 317K, 105M, 317L, 105N PHY 303K, 105M, 303L, 105N PHY 301, 101L, 316, 116L <i>* SCI 365, Physics by Inquiry, and PHY 108, Physics by Inquiry, may substitute for 2nd half of PHY sequence for Composite Science Certification only.</i>		M 315C and 333L	6
BIO 311C, 311D	6	M 375D or approved substitute	3
6 hours in GEO. Courses intended for nonscience majors may not be counted toward this requirement.	6	M 427J or 427K	4
To complete 12 hours in a 2nd science field, 1 of the following:	4–6	Engineering Design & Problem Solving ES 301	3
6 additional hours of BIO 6 additional hours of GEO 4 additional hours of PHY Note: courses must be designed for science majors.		Project in Mechanical Engineering ME 377K <i>Note: Upon approval of the project by the UTeach Program</i>	3
34 hours in CH, including:	17	30 hours in CH, including: General and organic chemistry (in Introductory Science section) Biochemistry: BCH 369 Physical chemistry: CH 353 CH 153K Analytical chemistry: CH 455 CH 368 (Topic 1: Research Methods: UTeach)	14
General and organic chemistry (in Introductory Science section) Biochemistry: BCH 369 or 339F Physical chemistry: CH 353 Analytical chemistry: CH 455 or 456 CH 368 (Topic 1: Research Methods: UTeach) 4 hours of additional CH			
Physical Sciences Certification			
1 of the following sequences:	12		
PHY 301, 101L, 316, 116L, 315, 115L PHY 303K, 105M, 303L, 105N, 315, 115L			
3 hours of upper-division PHY	3		
M 427J or 427K	4		
M 427L	4		
34 hours in CH, including:	21		
General and organic chemistry (in Introductory Science section) Biochemistry: BCH 369 or 339F Physical chemistry: CH 353 CH 153K CH 354C CH 154K Quantum chemistry: CH 354 Analytical chemistry: CH 455 or 456 CH 368 (Topic 1: Research Methods: UTeach)			