

<b>CORE CURRICULUM</b>	Minimum Hours Required	<b>OPTION 5: TEACHING</b>	Minimum Hours Required
Core courses must be chosen from approved lists. <a href="http://bit.ly/1d6oP6I">bit.ly/1d6oP6I</a>		<b>Secondary school mathematics:</b>	<b>9</b>
<b>First Year Signature Course</b>	<b>3</b>	M 315C, Foundations, Functions, & Regression Models M 333L, Structure of Modern Geometry M 375D, Discovery: An Introduction to Advanced Study in Mathematics	
<b>English Composition</b>	<b>3</b>	<b>Differential equations &amp; linear algebra:</b>	<b>4</b>
<b>Humanities</b>	<b>3</b>	M 427J	
<b>American &amp; Texas Government</b>	<b>6</b>	<b>M 325K or 328K, 362K, and 358K</b>	<b>9</b>
<b>American History</b>	<b>6</b>	<i>M 328K is only recommended for students with previous, substantial experience in writing proofs.</i>	
<b>Social &amp; Behavioral Science</b>	<b>3</b>	<b>Real analysis:</b>	<b>3</b>
<b>Mathematics</b> (Fulfilled by course in major)	<b>0</b>	M 361K or 365C	
<b>Science &amp; Technology-I</b> (Fulfilled by courses in major)	<b>6</b>	<b>TEACHING INSTRUCTION COURSEWORK</b>	
<b>Science &amp; Technology-II</b> (Fulfilled by courses in major)	<b>3</b>	<i>Grades of at least C- are required in all courses in this section</i>	
<b>Visual &amp; Performing Arts</b>	<b>3</b>	<b>HIS 329U or PHL 329U</b>	<b>3</b>
<b>SKILLS &amp; EXPERIENCE FLAGS</b>		<b>1 research methods course:</b>	<b>3</b>
Flags attached to courses are displayed in the online Course Schedule.		Biology 337 (Topic 2: Research Methods: UTeach), Chemistry 368 (Topic 1: Research Methods: UTeach) or Physics 341 (Topic 7: Research Methods: UTeach)	
<b>Two Writing Flags:</b>	<input type="checkbox"/> <input type="checkbox"/>	<b>UTS 101, 110</b>	<b>2</b>
1. Core Writing Flag (cannot also fulfill another core curriculum requirement)		<b>EDC 365C or UTS 350</b>	<b>3</b>
2. Additional Writing Flag <i>Note: One of the two writing flags must be upper-division.</i>		<b>EDC 365D or UTS 355</b>	<b>3</b>
<b>One Quantitative Reasoning Flag</b>	<input type="checkbox"/>	<b>EDC 365E or UTS 360</b>	<b>3</b>
<b>One Global Cultures Flag</b>	<input type="checkbox"/>	<b>EDC 651S</b> (Topic 3: Secondary School Teaching Practicum: Math) and UTS 170	<b>7</b>
<b>One Cultural Diversity in the U.S. Flag</b>	<input type="checkbox"/>	<b>Middle Grade Certification (Optional)</b>	<b>6–9</b>
<b>One Ethics and Leadership Flag</b>	<input type="checkbox"/>	EDP 363M (Topic 3: Adolescent Development) or PSY 301 & 304 EDC 339E <i>Grades of at least C- are required in all courses in this section</i>	
<b>One Independent Inquiry Flag</b>	<input type="checkbox"/>	<i>Students seeking mathematics, physical science, &amp; engineering certification are not eligible for middle grade certification.</i>	
<b>MATHEMATICS &amp; SCIENCE</b>		<b>ADDITIONAL GRADUATION REQUIREMENTS</b>	
<b>1 sequence from:</b>	<b>12</b>	<input type="checkbox"/> Minimum 21 upper-division hours in residence	
M 408C * & 408D		<input type="checkbox"/> Minimum 18 hours of Mathematics in residence	
M 408N & 408S		<input type="checkbox"/> Minimum 60 hours in residence overall	
M 408K & 408L		<input type="checkbox"/> Minimum 42 upper-division hours	
* M 408N & 408S, or 408K & 408L, may substitute for M 408C		<input type="checkbox"/> 120 hours total overall	
<i>Note: Introductory science is substantially different for Option 6</i>		<input type="checkbox"/> Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses	
<b>ELECTIVES</b>		<input type="checkbox"/> Minimum UT-Austin Grade Point Average of 2.5	
<b>Enough elective hours to reach 120 total</b>	<b>VARY</b>	<input type="checkbox"/> Must pass the final teaching portfolio review	
<i>(The number of elective hours needed may vary depending on course selections.)</i>		<input type="checkbox"/> Must apply to graduate during final semester	
		<input type="checkbox"/> 2016-18 Catalog expires August 2024	

See page 2 for Option 5 Teaching Certifications

**OPTION 5: TEACHING**

Complete all coursework in 1 of the following certifications:

Minimum Hours  
Required

**Mathematics Certification**

**Linear algebra:**

M 340L or 341

3

**Algebraic structures:**

M 343K or 373K

3

**2 additional courses from:**

M 328K, 339J, 339U, 343K, 343L, 348, 361, 365C, 365D, 368K, 373K, 373L, 378K  
*Mathematics courses may apply toward only 1 requirement.*

6

**1 course from:**

AST 307, 352K, 352L, 358, 367M; CH 301, 301H, 303; CS 303E, 313E; HDF 322; PHY 301, 303K, 303L; ACC 310F, 311; ARE 323K; CE 321, 341; EE 302, 366, 366L; ME 320, 326, 366L, 366Q, 366R; PGE 310; GEO 346C, 354, 476K; ECO 420K; GRG 360L; GOV 341M; PSY 325K, 332; and SOC 369L

3

**Mathematics, Physical  
Science, & Engineering  
Certification**

**Linear algebra:**

M 341

3

**PHY 301 & 101L, 316 & 116L, 315 & 115L**

12

**CH 301 or 301H, 302 or 302H, 204**

8

**CHE 379** (*Topic: Fundamentals of Engineering and Design*), **379** (*Topic: Engineering Energy Systems*), & **ME 379M** (*Topic: Design of Machines and Systems*)

3