### CORE CURRICULUM

Core courses must be chosen from approved lists.

- First Year Signature Course: 3
- English Composition: 3
- Humanities: 3
- American & Texas Government: 6
- American History: 6
- Social & Behavioral Science: 3
- Mathematics: Fulfilled by course in major
- Science & Technology-I (Fulfilled by courses in major): 6
- Science & Technology-II (Fulfilled by courses in major): 3
- Visual & Performing Arts: 3

### SKILLS & EXPERIENCE FLAGS

Flags attached to courses are displayed in the online Course Schedule.

- Two Writing Flags: □ □
  1. Core Writing Flag (cannot also fulfill another core curriculum requirement)
  2. Additional Writing Flag
    Note: One of the two writing flags must be upper-division.
- One Quantitative Reasoning Flag
- One Global Cultures Flag
- One Cultural Diversity in the U.S. Flag
- One Ethics and Leadership Flag
- One Independent Inquiry Flag

### MATHEMATICS & SCIENCE

1 sequence from:

- M 408C & 408D
- M 408N & 408S
- M 408K & 408L
  *
  *M 408N & 408S, or 408K & 408L, may substitute for M 408C

Note: Introductory science is substantially different for Option 6

### ELECTIVES

Enough elective hours to reach 120 total

(The number of elective hours needed may vary depending on course selections.)

### OPTION 5: TEACHING

#### Secondary school mathematics:
- M 315C, Foundations, Functions, & Regression Models
- M 333L, Structure of Modern Geometry
- M 375D, Discovery: An Introduction to Advanced Study in Mathematics

#### Differential equations & linear algebra:
- M 427J

#### M 325K or 328K, 362K, and 358K
- M 328K is only recommended for students with previous, substantial experience in writing proofs.

#### Real analysis:
- M 361K or 365C

### TEACHING INSTRUCTION COURSEWORK

Grades of at least C- are required in all courses in this section

- HIS 329U or PHL 329U: 3
- 1 research methods course: 3
  - Biology 337 (Topic 2: Research Methods: UTeach), Chemistry 368 (Topic 1: Research Methods: UTeach) or Physics 341 (Topic 7: Research Methods: UTeach)
  - UTS 101, 110: 2
  - EDC 365C or UTS 350: 3
  - EDC 365D or UTS 355: 3
  - EDC 365E or UTS 360: 3
  - EDC 651S (Topic 3: Secondary School Teaching Practicum: Math) and UTS 170: 7

#### Middle Grade Certification (Optional): 6–9

- EDP 363M (Topic 3: Adolescent Development) or PSY 301 & 304
- EDC 339E

Grades of at least C- are required in all courses in this section

Students seeking mathematics, physical science, & engineering certification are not eligible for middle grade certification.

### ADDITIONAL GRADUATION REQUIREMENTS

- Minimum 21 upper-division hours in residence
- Minimum 18 hours of Mathematics in residence
- Minimum 60 hours in residence overall
- Minimum 42 upper-division hours
- 120 hours total overall
- Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses
- Minimum UT-Austin Grade Point Average of 2.5
- Must pass the final teaching portfolio review
- Must apply to graduate during final semester
- 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:

<table>
<thead>
<tr>
<th>Mathematics Certification</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Linear algebra:</strong></td>
<td>3</td>
</tr>
<tr>
<td>M 340L or 341</td>
<td></td>
</tr>
<tr>
<td><strong>Algebraic structures:</strong></td>
<td>3</td>
</tr>
<tr>
<td>M 343K or 373K</td>
<td></td>
</tr>
<tr>
<td><strong>2 additional courses from:</strong></td>
<td>6</td>
</tr>
<tr>
<td>Mathematics courses may apply toward only 1 requirement.</td>
<td></td>
</tr>
<tr>
<td><strong>1 course from:</strong></td>
<td>3</td>
</tr>
<tr>
<td>AST 307, 352K, 352L, 358, 367M; CH 301, 301H, 303; CS 303F, 313E; HDF 322; PHY 301, 303K, 303L; ACC 310F, 311; ARE 323K; CE 321, 341; EE 302, 366L; ME 320, 326, 366L, 366Q, 366R; PGE 310; GEO 346C, 354, 3476K; ECO 420K; GRG 380L; GOV 341M; PSY 325K, 332; and SOC 369L</td>
<td></td>
</tr>
</tbody>
</table>

| **Mathematics, Physical Science, & Engineering Certification** |                        |
| **Linear algebra:**                                            | 3                      |
| M 341                                                          |                        |
| **PHY 301 & 101L, 316 & 116L, 315 & 115L**                     | 12                     |
| **CH 301 or 301H, 302 or 302H, 204**                           | 8                      |