### CORE CURRICULUM

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Signature Course</td>
<td>3</td>
</tr>
<tr>
<td>English Composition</td>
<td>3</td>
</tr>
<tr>
<td>Humanities</td>
<td>3</td>
</tr>
<tr>
<td>American &amp; Texas Government</td>
<td>6</td>
</tr>
<tr>
<td>American History</td>
<td>6</td>
</tr>
<tr>
<td>Social &amp; Behavioral Science</td>
<td>3</td>
</tr>
<tr>
<td>Mathematics (fulfilled by course in major)</td>
<td>0</td>
</tr>
<tr>
<td>Science &amp; Technology-I (fulfilled by courses in major)</td>
<td>0</td>
</tr>
<tr>
<td>Science &amp; Technology-II (fulfilled by courses in major)</td>
<td>0</td>
</tr>
<tr>
<td>Visual &amp; Performing Arts</td>
<td>3</td>
</tr>
</tbody>
</table>

### INTRODUCTORY SCIENCE

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>M 408C &amp; 408D or 408N &amp; 408S &amp; 408M</td>
<td>8–12</td>
</tr>
<tr>
<td>CH 301H or 301H, 302 or 302H, and 317</td>
<td>9</td>
</tr>
<tr>
<td>1 of the following organic chemistry sequences:</td>
<td>8</td>
</tr>
<tr>
<td>CH 328M &amp; 128K, 328N &amp; 128L</td>
<td></td>
</tr>
<tr>
<td>CH 320M, 320N, and 220C</td>
<td></td>
</tr>
</tbody>
</table>

**Note:** Introductory science is substantially different for Option 4 (Chemistry Honors).

### ELECTIVES

**Enough elective hours to reach 126 total**

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

### ADDITIONAL GRADUATION REQUIREMENTS

- [ ] Minimum 21 upper-division hours in residence
- [ ] Minimum 12 upper-division CH hours in residence
- [ ] Minimum 60 hours in residence overall
- [ ] Minimum 36 upper-division hours
- [ ] 126 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 apply to graduate during final semester
- [ ] 2016–18 Catalog expires August 2024

### TEACHING INSTRUCTION COURSEWORK

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>HIS 329U or PHI 329U</td>
<td>3</td>
</tr>
<tr>
<td>UTS 101, 110</td>
<td>2</td>
</tr>
<tr>
<td>EDC 365C or UTS 350</td>
<td>3</td>
</tr>
<tr>
<td>EDC 365D or UTS 355</td>
<td>3</td>
</tr>
<tr>
<td>EDC 365E or UTS 360</td>
<td>3</td>
</tr>
<tr>
<td>EDC 651S (Topic 4: Secondary School Teaching Practicum: Science) and UTS 170</td>
<td>7</td>
</tr>
</tbody>
</table>

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

**Middle Grade Certification (Optional)**

<table>
<thead>
<tr>
<th>Course</th>
<th>Minimum Hours Required</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDP 363M (Topic 3: Adolescent Development) or PSY 301 and 304</td>
<td>3–6</td>
</tr>
<tr>
<td>EDC 339E</td>
<td>3</td>
</tr>
</tbody>
</table>

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

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**See page 2 for Option 3 Teaching Certifications**
OPTION 3: TEACHING
Complete all coursework in 1 of the following certifications:

**Composite Science Certification**

1 of the following sequences*:

- PHY 317K, 117M, 317L, 117N
- PHY 303K, 103M, 303L, 103N
- PHY 301L, 101L, 316, 116L

* SCI 365, Physics by Inquiry, and PHY 108, Physics by Inquiry, may substitute for 2nd half of PHY sequence for Composite Science Certification only.

- BIO 311C, 311D
- 6 hours in GEO. Courses intended for non-science majors may not be counted toward this requirement.

To complete 12 hours in a 2nd science field, 1 of the following:

- 6 additional hours of BIO
- 6 additional hours of GEO
- 4 additional hours of PHY

Note: Courses must be designed for science majors.

- 34 hours in CH, including:
  - 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:

- PHY 301L, 101L, 316, 116L, 315, 115L
- PHY 303K, 103M, 303L, 103N, 315, 115L

- 3 hours of upper-division PHY

- M 427J or 427K
- M 427L

- 34 hours in CH, including:
  - General and organic chemistry (in Introductory Science section)
  - Biochemistry: BCH 369 or 339F
  - Physical chemistry: CH 353
  - CH 153K
  - CH 354L
  - CH 154K
  - Quantum chemistry: CH 354
  - Analytical chemistry: CH 455 or 456
  - CH 368 (Topic 1: Research Methods: UTeach)

**Mathematics, Physical Science, and Engineering Certification**

1 of the following sequences:

- PHY 301, 101L, 316, 116L, 315, 115L
- PHY 303K, 103M, 303L, 103N, 315, 115L

- M 315C and 333L
- M 360M or 375D
- M 427J or 427K
- CHE 379 (Topic: Fundamentals of engineering and design)
- CHE 379 (Topic: Engineering energy systems)
- ME 379M (Topic: Design of machines and systems)

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)