# CORE CURRICULUM / NATURAL SCIENCES FLAGS
Core courses must be chosen from approved lists. bit.ly/1d6oP6l

<table>
<thead>
<tr>
<th>Category</th>
<th>Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>First Year Signature Course</td>
<td>English Composition</td>
</tr>
<tr>
<td>Humanities</td>
<td>American &amp; Texas Government</td>
</tr>
<tr>
<td>Social &amp; Behavioral Science</td>
<td>Mathematics (Fulfilled by course in major)</td>
</tr>
<tr>
<td>Science &amp; Technology-I (Fulfilled by courses in major)</td>
<td></td>
</tr>
<tr>
<td>Science &amp; Technology-II (Fulfilled by courses in major)</td>
<td></td>
</tr>
<tr>
<td>Visual &amp; Performing Arts</td>
<td>Three Writing Flags</td>
</tr>
<tr>
<td>a. 1 required by Core (cannot combine with Core requirements)</td>
<td></td>
</tr>
<tr>
<td>b. 2 required by College (1 upper-division; 1 may be same course used for Core)</td>
<td></td>
</tr>
<tr>
<td>One Additional Flag</td>
<td>Quantitative Reasoning</td>
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# PHYSICS MAJOR

## INTRODUCTORY AND ADVANCED CALCULUS
Mathematics (M) 408C & D or M 408N, 408S, & 408M

<table>
<thead>
<tr>
<th>Mathematics</th>
<th>427K and 427L</th>
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## INTRODUCTORY PHYSICS
PHY 301 and 101L
PHY 316 and 116L
PHY 315 and 115L

## CORE PHYSICS
Classical Dynamics: Physics 336K
Classical Electrodynamics: Physics 352K
Modern Physics & Thermodynamics: Physics 355
Thermodynamics & Statistical Mechanics: Physics 369
Quantum Physics: Physics 373

Complete 1 of the following:

Complete 3 hours of majors-level coursework chosen from AST, BIO, CH, CS, and GEO. Choose a course from the Science and Technology Part II core.

# LANGUAGE, ARTS, AND CULTURE

12 hours chosen from at least 2 of the 4 areas below. Credit by exam and courses counted toward the core curriculum may not count.

- **Fine Arts**: DSN, ENS, FA, MUS, ART, VAS, TD, & Performance (instrument courses)
- **Humanities**: AMS, AHC, ARH, CG, CL, E, HMN, PHL, RS, & RHE
- **Social & Behavioral Sciences**: ANT, ECO, GRG, GOV, HIS, LIN, PSY, & SOC
- **Foreign Language or Culture**: foreign language courses or culture courses chosen from an approved list. (Students who choose foreign language must complete a one-year competency.) bit.ly/19Ao6pc

# MINOR OR TRANSCRIPT-RECOGNIZED CERTIFICATE
Completion of a 15 hour minor OR an 18 to 24 hour transcript-recognized certificate.

## Minor: 15 Hours in a Single Field of Study
(There is no Field of Study in the College of Natural Sciences, the Jackson School of Geosciences, or the Cockrell School of Engineering.)

## OR
Transcript-Recognized Certificate
bit.ly/13WXM46

Restrictions: 1) a certificate cannot require more than 3 hours that is also required in the major; & 2) a certificate cannot require more than 6 hours in the major field of study.

# ELECTIVES

Enough elective hours to reach 120 total
(The number of elective hours needed may vary depending on course selections.)

# GRADUATION REQUIREMENTS
- 2014–16 Catalog expires August 2022
- 120 hours total (at least 60 semester hours in residence)
- 24 out of last 30 hours in residence
- Minimum grade of C- & minimum 2.0 GPA in all Mathematics & Natural Sciences courses
- Minimum UT-Austin Grade Point Average of 2.0
- Must apply to graduate during final semester
- May earn Honors Degree bit.ly/1dxhBGe