### Bachelor of Science in Astronomy: Sample 4-Year Plan (2018-2020)

#### Year One - Fall
- **M 408C**
- Majors Level BIO, CH, CS, CS Elements, or GEO
- UGS 302 or 303
- RHE 306 or Visual & Performing Arts
- Social & Behavioral Sciences
- Elective

#### Year One - Spring
- **M 408D**
- PHY 301
- PHY 101L
- RHE 306 or Visual & Performing Arts
- GOV 310L
- Elective

#### Year Two - Fall
- **M427J**
- PHY 316 & PHY 116L
- Majors Level BIO, CH, CS Elements, or GEO
- GOV 312L
- Foreign Language or Culture

#### Year Two - Spring
- **M 427L**
- PHY 315
- PHY 115L
- PHY 355
- Foreign Language or Culture

#### Year Three - Fall
- **AST 352K**
- PHY 336K
- PHY 353L
- AST 3 Upper-Division or PHY 3 Upper-Division
- U.S. History

#### Year Three - Spring
- **M 340L**
- PHY 373
- AST 353 or 358
- AST 3 Upper-Division or PHY 3 Upper-Division
- U.S. History

#### Year Four - Fall
- **PHY 369**
- PHY 352K
- AST 3 Upper-Division
- E 316L, M, N, or P
- Elective

#### Year Four - Spring
- **PHY 362K**
- AST 353 or 358
- AST 3 Upper-Division or PHY 3 Upper-Division
- Elective

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**123 total hours required for this degree**

Courses that fulfill core requirements are designated in the course schedule

**Flag Requirements:**
- Course flags are required for graduation and may overlap with other required courses
- One of the 2 writing flags must be upper-division; only one writing flag may overlap with the core
- Course flags are designated in the Course Schedule
- Only courses taken at UT carry flags
- Ideas for fulfilling flag requirements can be found on the second page of this 4-year plan

<table>
<thead>
<tr>
<th>QR</th>
<th>Quantitative Reasoning Flag (1)</th>
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</thead>
<tbody>
<tr>
<td>WR</td>
<td>Writing Flag (2)</td>
</tr>
<tr>
<td>II</td>
<td>Independent Inquiry Flag (1)</td>
</tr>
<tr>
<td>GC</td>
<td>Global Cultures Flag (1)</td>
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<tr>
<td>CD</td>
<td>Cultural Diversity Flag (1)</td>
</tr>
<tr>
<td>E</td>
<td>Ethics Flag (1)</td>
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</tbody>
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**Degree Planning Resources:**
- Interactive Degree Audit: [http://registrar.utexas.edu/students/degrees/ida](http://registrar.utexas.edu/students/degrees/ida)
- Official Degree Plans: [https://cns.utexas.edu/degree-checklists](https://cns.utexas.edu/degree-checklists)
- Credit by Exam: [http://learningsciences.utexas.edu/studenttesting/](http://learningsciences.utexas.edu/studenttesting/)
- Core Curriculum: [http://ugs.utexas.edu/core/requirements](http://ugs.utexas.edu/core/requirements)
- Foreign Culture: [https://cns.utexas.edu/students/degrees-majors-advising/university-core-curriculum/foreign-culture-requirement](https://cns.utexas.edu/students/degrees-majors-advising/university-core-curriculum/foreign-culture-requirement)

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**Mathematics, Physics, & Astronomy Advising Center**
- **RLM 4.101, 512.471.0900**
- [https://cns.utexas.edu/mpa-advising](https://cns.utexas.edu/mpa-advising)
<table>
<thead>
<tr>
<th>Astronomy Courses</th>
<th>Course Title</th>
<th>WR</th>
<th>CD</th>
<th>E</th>
<th>GC</th>
<th>II</th>
<th>QR</th>
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<tbody>
<tr>
<td>AST 352K</td>
<td>Stellar Astronomy</td>
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<tr>
<td>AST 353</td>
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<td>AST 358</td>
<td>Galaxies and The Universe</td>
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<td>Mechanics</td>
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<td>M 408C</td>
<td>Differential &amp; Integral Calculus</td>
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<td>M 427J</td>
<td>Differential Equations w/ Linear Algebra</td>
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<th>Optional Courses</th>
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<td>Introductory Astronomy</td>
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<td>AST 152M</td>
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* also AST 175C & AST 275
X - will contain specified flag
* - may contain flag for specific instructor - check Course Schedule to verify for a given semester

***How Can I Complete Flags Within Courses Required By My Degree?***

Statements below give suggestions about how/where to get your University Flags within the requirements for your degree. A course can carry up to three flags, fulfilling multiple flag requirements. However, the same course cannot be used to satisfy the GC and CD Flags even if the course carries both flags. Flag courses must be taken for a grade.

**Writing (WR):** (2 total Writing Flags are required - one must be upper division) PHY 353L has a writing flag and is required for the B.S. in Astronomy. Students can also get these flags from Core courses, courses for a minor or certificate they are pursuing, some foreign culture courses, or general electives.

**Quantitative Reasoning (QR):** See chart above for math and science courses that carry this flag.

**Independent Inquiry (II):** Students may be able to get this flag from an Astronomy course that is not required (see "Optional Courses") or a general elective. Many students choose to register for AST 175C, 275C, or 375C to get credit for research they are doing. Others take AST 376R as part of FRI or AST 379H when pursuing departmental honors.

**Cultural Diversity in the US (CD):** Students can get this flag from a Core course (HIS, VAPA, etc.), a course for a minor or certificate they are pursuing, or a general elective.

**Global Cultures (GC):** Courses that may carry this flag include Core courses, courses for a minor or certificate, some foreign culture courses, or general electives.

**Ethics (E):** Students can get this flag from a Core course (example: certain sections of GOV 312L), a course for a minor or certificate, or a general elective.