### DEGREE REQUIREMENT CHECKLIST

This checklist below provides a summary of the requirements for the degree and major indicated above. For complete information, you should consult the Undergraduate Catalog 2000-2002 or 2002 - 2004. If you have any questions, please speak with an academic advisor at RLM 4.101.

### AREA REQUIREMENTS: ALL AREA REQUIREMENTS MUST BE TAKEN ON A LETTER-GRADE BASIS.

#### AREA A: LANGUAGE ARTS

- **English:**
  - [ ] RHE 306
  - [ ] E 316K
- **Substantial Writing Component:**
  - [ ] One upper-division course
  - [ ] One additional course
  
  These two courses may satisfy other degree requirements. They can be any number of semester hours. Consult the Course Schedule for a complete listing of writing component courses for a particular semester.
- **Foreign Language:**
  - Fourth semester proficiency in a single foreign language at the college level
  - [ ] 506
  - [ ] 507 (or equivalent)
  - [ ] 312K (or equivalent)
  - [ ] 312L (or equivalent)

#### AREA B: SOCIAL SCIENCES

- **Government:**
  - [ ] GOV 310L (or GOV 3 TX in transfer)
  - [ ] GOV 312L (or GOV 3 US in transfer)
- **U.S. History:**
  - 6 semester hours of American History (3 hours of Texas History may be used toward one of the U.S. History requirements)
  - [ ] ________
  - [ ] ________
- **3 semester hours each from two of the following areas:** (6 semester hours total)
  - [ ] Anthropology
  - [ ] Economics
  - [ ] Geography
  - [ ] Linguistics
  - [ ] Psychology
  - [ ] Sociology

#### AREA C: NATURAL SCIENCES

- **3 semester hours of math course work** (excluding M301, M316K, and M316L)
  - [ ] ________

#### AREA D: GENERAL CULTURE

- **3 semester hours chosen from the following areas:**
  - [ ] Architecture
  - [ ] Classics Department
  - [ ] College of Fine Arts
  - [ ] Philosophy (not logic)
- **3 additional semester hours chosen from the following areas:**
  - [ ] Architecture
  - [ ] Classics Department
  - [ ] College of Fine Arts
  - [ ] Philosophy
  - [ ] Alternative Area D Course (A list of these courses is available in RLM 4.101)

### MAJOR REQUIREMENTS: ALL MAJOR REQUIREMENTS MUST BE TAKEN ON A LETTER-GRADE BASIS. A GRADE OF C IS REQUIRED IN EACH COURSE COUNTING TOWARDS THE MAJOR.

#### LOWER-DIVISION PHYSICS

- [ ] PHY 301 Mechanics
- [ ] PHY 316 Electricity & Magnetism
- [ ] PHY 315 Wave Motion & Optics
- [ ] PHY 101L Lab
- [ ] PHY 116L Lab
- [ ] PHY 115L Lab

*Note: Physics courses have additional math prerequisites.

#### UPPER-DIVISION ASTRONOMY AND PHYSICS

- **9 semester hours of upper-division courses in astronomy, including at least 2 of the following:**
  
  (Note: some upper-division astronomy courses may be offered once every two years.)
  - [ ] AST 352K General Stellar Astronomy
  - [ ] AST 352L Positional, Dynamical, and Kinematical Astronomy
  - [ ] AST 353 Astrophysics
  - [ ] AST 358 Galaxies and the Universe
  - [ ] AST 364 Solar System Astronomy
  - [ ] ________

- **6 semester hours of upper division astronomy and/or physics coursework:**
  - [ ] ________
  - [ ] ________

(No more than 6 of the hours counted toward the major requirement may be conference courses.)
**MINOR REQUIREMENTS: A grade of at least C is required in all courses counting toward the minor.**

- 6 semester hours of coursework (other than lower-division astronomy, lower-division physics, lower-division mathematics, and M427K), approved by the Undergraduate Advisor:
  - [ ] 
  - [ ]
- 6 additional hours of upper-division physics, 
- 6 semester hours of upper-division coursework, approved by the Undergraduate Advisor.
  - [ ]
  - [ ]

**SAMPLE COURSE PLAN**

<table>
<thead>
<tr>
<th>FRESHMAN YEAR</th>
<th>NOTES</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Semester 1</strong></td>
<td>Foreign language 507</td>
</tr>
<tr>
<td>RHE 306</td>
<td>Foreign language 507</td>
</tr>
<tr>
<td>Foreign language 506</td>
<td>M 408D 2</td>
</tr>
<tr>
<td>M 408C 1</td>
<td>PHY 301 and PHY 101L</td>
</tr>
<tr>
<td>AST 307 2</td>
<td>Area B social science requirement (3 hrs)</td>
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**SOPHOMORE YEAR**

<table>
<thead>
<tr>
<th><strong>Semester 1</strong></th>
<th><strong>Semester 2</strong></th>
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<tbody>
<tr>
<td>E 316K</td>
<td>Foreign language (312L)</td>
</tr>
<tr>
<td>Foreign language (312K)</td>
<td>PHY 315 and PHY 115L</td>
</tr>
<tr>
<td>M 427K 4</td>
<td>M 427L 5</td>
</tr>
<tr>
<td>PHY 316 and PHY 116L</td>
<td>Area D general culture requirement (3 hrs)</td>
</tr>
<tr>
<td>AST 104 3</td>
<td>Elective (3 hrs)</td>
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**JUNIOR YEAR**

<table>
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<tr>
<th><strong>Semester 1</strong></th>
<th><strong>Semester 2</strong></th>
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<tbody>
<tr>
<td>Upper division AST (3 hrs) 6</td>
<td>Upper division AST/PHY (3 hrs)</td>
</tr>
<tr>
<td>Upper division PHY (3 hrs)/other approved course 7</td>
<td>Upper division PHY (3 hrs)/other approved course 7</td>
</tr>
<tr>
<td>Area D general culture requirement (3 hrs)</td>
<td>Area B social science requirement(HIS/GOV)</td>
</tr>
<tr>
<td>Area B social science requirement(HIS/GOV)</td>
<td>Area B social science requirement(HIS/GOV)</td>
</tr>
<tr>
<td>Elective (3 hrs)</td>
<td>Elective (3 hrs)</td>
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**SENIOR YEAR**

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<tr>
<th><strong>Semester 1</strong></th>
<th><strong>Semester 2</strong></th>
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</thead>
<tbody>
<tr>
<td>Upper division AST/PHY (3 hrs)</td>
<td>Upper division AST (3 hrs) 6</td>
</tr>
<tr>
<td>Area B social science requirement(HIS/GOV)</td>
<td>Area B social science requirement(HIS/GOV)</td>
</tr>
<tr>
<td>Additional minor requirement (3 hrs) 8</td>
<td>Additional minor requirement (3 hrs) 8 or Elective</td>
</tr>
<tr>
<td>Elective (3 hrs)</td>
<td>Elective (3 hrs)</td>
</tr>
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</table>

**ELECTIVES**

- Electives are necessary to complete the **120 semester hour requirement** for the B.A. in Astronomy.
- Once 30 semester hours of college credit is earned, up to 16 hours of electives may be taken pass/fail.
- Only two courses per semester may be taken pass/fail.

**GENERAL DEGREE REQUIREMENTS: YOU MUST SATISFY ALL OF THE FOLLOWING CONDITIONS IN ORDER TO GRADUATE.**

- Minimum cumulative UT GPA of 2.0
- 60 semester hours must be completed in residence (in the classroom at UT).
- 18 semester hours of the major must be completed in residence
- 12 semester hours of the major must be upper-division
- 6 upper-division semester hours of the major must be in residence
- 36 upper-division semester hours
- 18 upper-division semester hours must be completed in residence
- 24 of the last 30 semester hours counted toward the degree must be in residence
- No more than 42 semester hours from one subject in the College of Natural Sciences may be counted
- No more than 36 semester hours from one subject in the College of Liberal Arts may be counted
- No more than 36 semester hours from one college outside Liberal Arts or Natural Sciences may be counted

The following courses will not count toward this degree: M301, KIN 119 or PED one-hour activity courses. No more than 12 semester hours of Bible coursework may be counted toward the degree. See catalog for restrictions about using ROTC coursework.

cns/mpaac: 06/04—BA AST