### AREA REQUIREMENTS (All area requirements must be taken on a letter-grade basis.)

#### AREA A: LANGUAGE ARTS

- **English:**
  - ☐ E 306
  - ☐ E 316K

- **Foreign Language:** Fourth semester proficiency in a single foreign language at the college level
  - ☐ 506
  - ☐ 507 (or the equivalent)
  - ☐ 312K (or 310K)
  - ☐ 312L (or 310L)

- **Substantial Writing Component:**
  - ☐ One upper-division course*  
  - ☐ One additional course

  (*This requirement can be fulfilled by completion of PHY 453.)

  (These two courses may also satisfy other degree requirements. They can be any number of semester hours. Consult the Course Schedule for a complete listing of the writing component courses for a particular semester.)

#### 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.)

- 6 semester hours total — 3 semester hours each from two of the following areas:
  - ☐ Anthropology
  - ☐ Economics
  - ☐ Geography
  - ☐ Linguistics
  - ☐ Psychology
  - ☐ Sociology

#### AREA C: NATURAL SCIENCES

- ☐ 3 semester hours of math coursework (excluding M 301, M 316K, and M 316L)

  (In actuality, more math coursework is necessary as prerequisite for the physics courses.)

#### AREA D: GENERAL CULTURE

- 3 semester hours from one of the following areas:
  - ☐ Architecture
  - ☐ Classics Department
  - ☐ College of Fine Arts
  - ☐ Philosophy (not logic)

- 3 additional semester hours from one of 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 at least C is required in each course counting toward the major. No more than 6 semester hours of conference courses may be counted toward 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
UPPER-DIVISION ASTRONOMY AND PHYSICS

(Note: some upper-division astronomy courses may be offered only once every two years.)

- AST 352K General Stellar Astronomy
- 3 semester hours upper-division astronomy coursework

- 3 semester hours from the following:
  - 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:
  - ____________  ____________

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 M 427K), approved by the Faculty Advisor:
  - ____________  ____________

- 6 additional hours of upper-division physics, or 6 semester hours upper-division coursework, approved by the Faculty Advisor:
  - ____________  ____________

ELECTIVES

- Electives are necessary to complete the **120-semester-hour requirement** for the B.A. in Astronomy.
- Once 30 semester hours of college credit have been earned, up to 16 semester 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
- 30 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 taken in residence
- 36 upper-division semester hours
- 18 upper-division semester hours in residence
- 24 of the last 30 semester hours counted toward the degree must be in residence
- No more than 36 semester hours from one subject in the College of Natural Sciences or Liberal Arts may be counted
- No more than 36 semester hours from one college outside of Liberal Arts or Natural Sciences may be counted

The following courses will not count toward this degree: M 301, MUS 101G, KIN or PED one-hour activity courses. No more than 12 semester hours of Bible coursework may be counted the degree. See catalog for restrictions about using ROTC coursework.