

**Bachelor of Science in Astronomy**  
**Option I: Astronomy**  
**2012-14 Catalog (Expires August 2020)**

**University Core Curriculum**

**First-Year Signature Course:** UGS 302 or 303 \_\_\_\_

**English:** RHE 306 \_\_\_\_

**Humanities:** E 316K \_\_\_\_

**American & Texas Government:** 6 hrs from approved core list  
\_\_\_\_ + \_\_\_\_

**American History:** 6 hrs from approved core list  
\_\_\_\_ + \_\_\_\_

**Social and Behavioral Science:** 3 hrs from approved core list \_\_\_\_

**Mathematics:** 3 hrs from approved core list: \_\_\_\_ [M 408N or 408C]

**Science and Technology Part I:** 6 hrs in a single subject from approved core list: \_\_\_\_ + \_\_\_\_ [PHY 301 + PHY 316]

**Science and Technology Part II:** 3 hrs from a subject other than the one chosen for Part I from approved core list: \_\_\_\_

**Visual & Performing Arts:** 3 hrs from approved core list \_\_\_\_

Note that no single course may be used to fulfill two core areas simultaneously. In most cases, students may satisfy both a *core requirement* and a *major requirement* with a single course. Plan II students may have additional options for some core requirements.

**Additional General Education Requirements**

**Two Writing Flags (must include a course that is not used to meet a core requirement and a course that is upper-division):** \_\_\_\_ + \_\_\_\_

**Writing Flag courses may satisfy other degree requirements.**

**Foreign Language, Option A, B, or C:** \_\_\_\_ + \_\_\_\_

A) Two semesters in a single language or attainment of second-semester proficiency in one language:

B) First semester-level proficiency in a foreign language and a three-hour course in the culture of the same language:

C) Two three-hour culture courses chosen from one foreign culture category from an approved list available in the CNS Dean's office and the college advising centers.

**Introductory Mathematics and Science, with grades of C- or better**

Six semester hours of Biology, Chemistry, Computer Science and/or Geological Sciences: \_\_\_\_ + \_\_\_\_

(CH 301 and the courses in the Elements of Computing Program may be counted toward this requirement; any other course to be counted must meet major requirements in the department that offers it)

**Mathematics:** M 408C \_\_\_\_ + 408D \_\_\_\_ (or equivalent calculus sequence)  
M 427K \_\_\_\_ + 427L \_\_\_\_ + 340L \_\_\_\_

**Physics:** PHY 301 \_\_\_\_ + 101L \_\_\_\_ + 316 \_\_\_\_ + 116L \_\_\_\_ + 315 \_\_\_\_ + 115L \_\_\_\_.

**Astronomy and Physics Requirements with grades of C- or better**

**Physics:** PHY 336K \_\_\_\_ + 352K \_\_\_\_ + 353L \_\_\_\_ + 355 \_\_\_\_ + 362K \_\_\_\_ + 369 \_\_\_\_ + 373 \_\_\_\_

**Astronomy:** AST 352K \_\_\_\_ + 353 \_\_\_\_ + 358 \_\_\_\_

**3 Additional Upper-division Hours of Astronomy:** \_\_\_\_ (Note: AST 351 is recommended but not required)

**9 Additional Upper-division Hours in Astronomy and/or Physics:** \_\_\_\_ + \_\_\_\_ + \_\_\_\_

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Enough Additional Elective Hours to Reach a Total of **123** Hours (including **36** Upper-division Hours) \_\_\_\_\_

Minimum Grade Point Average Requirements \_\_\_\_\_

**2.0 grade point average in all mathematics and science courses required by degree\*:** \_\_\_\_\_

**2.0 grade point average in all courses taken at the University of Texas at Austin:** \_\_\_\_\_

\* Required Mathematics and Science courses may include: ACF, AST, BIO, CH, CS, EVS, GEO, HDF, HE, M, NEU, NSC, NTR, PHY, SSC, TXA, and UTS-Natural Sciences.

Total Hours and Residency Requirements \_\_\_\_\_

123 semester hours: \_\_\_\_\_

60 hours in residence: \_\_\_\_\_

36 upper-division hours: \_\_\_\_\_

24 of the last 30 hours in residence: \_\_\_\_\_

21 upper-division hours in residence (including 12 in PHY and AST): \_\_\_\_\_

No more than 16 hours of electives may be taken Pass/Fail. No more than 3 three-hour courses in Air Force Science, Military Science, and Naval Science may be counted toward the degree. The following courses will not count toward this degree: M 301, KIN 119, or PED one-hour activity courses. Please check course descriptions of lower-division science courses not required for majors in the same field of study to see if they can or cannot count toward this degree.

Students may earn only one BA and one BS in Astronomy degree, though they may earn multiple majors. Students completing an additional degree must complete 24 hours in addition to those counted toward the bachelor's degree that requires the higher number of credit hours.