

Bachelor of Arts with a Major in Astronomy
2010-12 Catalog (Expires August 2018)

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

Substantial Writing Components and/or Writing Flags (including a course that is not used to meet a core requirement and a course that is upper-division): ____ + ____

Substantial Writing Components and Writing Flags may satisfy other specific degree requirements.

Foreign Language: 4 semesters in a single language or attainment of 4th semester foreign language proficiency: ____ + ____ + ____

Social Science: 3 hrs from a single field of study different than the course used for the Social & Behavior Science core requirement, chosen from list maintained by College of Liberal Arts: ____

Cultural Expression, Human Experience, and Thought: 3 hrs chosen from a list maintained by the College of Liberal Arts: ____

Natural Science: 6 hours, in addition to courses counted toward the core curriculum (courses taken for the major will fulfill this requirement).

Introductory Mathematics with grades of C- or better

Mathematics: M 408C ____ + M 408D ____
(or equivalent calculus sequence)

Major Requirements in Astronomy and Physics with grades of C- or better

Lower-Division Physics:

PHY 301 ____ + PHY 101L ____ + PHY 316 ____ + PHY 116L ____ + PHY 315 ____ + PHY 115L ____

Note: physics courses have additional math prerequisites

Upper-Division Astronomy and Physics:

9 semester hours of upper-division courses in astronomy: AST ____, including at least 2 of the following: AST 352K ____, AST 352L ____, AST 353 ____, AST 358 ____, AST 364 ____

Note: Some upper-division Astronomy courses may be offered once every 2 years

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 with grades of C- or better

6 semester hours of coursework (other than lower-division astronomy, lower-division physics, lower-division mathematics and M 427K), approved by the undergraduate advisor: ____ + ____

6 semester hours of upper-division physics **-OR-** 6 semester hours of upper-division coursework, approved by the undergraduate advisor: ____ + ____

