

Bachelor of Science in Mathematics; Option VI: Mathematics Honors
2010-12 Catalog (Expires August 2018)
By Admission Only

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 305G, 408C, 408N, or 408K: can be filled using credit by exam]

Science and Technology Part I: 6 hrs in a single subject from approved core list: ____ + ____ [BIO 315H + 325H; CH 301H + 302H; PHY 301 + 316]

Science and Technology Part II: 3 hrs from a subject other than the one chosen for Part I from approved core list: ____ [Honors BIO, CH, or PHY that is not used for Part I]

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: *Students who did not complete 2 years in a single foreign language in high school must complete the following:* 2 semesters in a single language or attainment of 2nd semester foreign language proficiency: ____ + ____

Dean's Scholars Honors Program Requirements

Introductory Honors Coursework:

NSC 301C or UGS 303 ____ + RHE 309S (section restricted to Dean's Scholars): ____ + Honors Math (see Breadth Section) ____

Thesis hours: 3 hours minimum, with grades of C- or better: M 379H ____

The thesis must be approved by departmental honors advisor. In addition, research must be presented in an approved public forum, such as the annual College of Natural Sciences' Undergraduate Research Forum.

Dean's Scholars Breadth Requirement with Grades of C- or Better

Credit by advanced placement *may not* be counted toward the breadth requirement for the degree.

Honors Mathematics: M408D-AP-H or other honors math ____

One of the Following Two-Semester Honors Sequences: BIO 315H ____ + 325H ____ **OR** CH 301H ____ + 302H ____ **OR** PHY 301 + 101L ____ + 316 + 116L ____

An Additional 9 Hours: Chosen from CS 315H, PHY 315 + 115L, and the Preceding List: ____ + ____ + ____

Mathematics with Grades of C- or Better

Exceptions or substitutions to major hours are determined by the Mathematics representative to the Dean's Scholars Steering Committee and are subject to the approval of the Director of the Dean's Scholars Honors Program.

M 427K-HON: ____

6 hours chosen from: M 365C, 367K, and 373K: ____ + ____

20 additional Upper-division Mathematics hours, approved by departmental faculty advisor: ____ + ____ + ____ + ____ + ____ + ____ + ____

Additional Coursework Approved by Departmental Honors Advisor

Courses to be determined under the direction of a faculty member and subject to the approval of the Director of the Dean's Scholars Honors Program.

30 hours: ____ + ____ + ____ + ____ + ____ + ____ + ____ + ____ + ____ + ____

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Coursework from College of Fine Arts and the College of Liberal Arts _____

6 hours from the College of Fine Arts and the College of Liberal Arts: _____ + _____

Note: the courses may also satisfy the Social and Behavioral Science and Visual and Performing Arts core curriculum by selecting carefully from the approved core curriculum list.

Enough Additional Elective Hours to Reach a Total of **120** Hours (including **42** Upper Division Hours) _____

Note: This is the only requirement in which pass/fail enrollments may be counted. _____ + _____ + _____ + _____ + _____

Minimum Grade Point Average Requirements _____

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

3.5 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, NSC, NTR, PHY, SSC, TXA, and UTS-Natural Sciences.

Total Hours, Residency Requirements, and Additional Requirements Specific to Dean's Scholars Honors Program _____

120 semester hours: _____

36 upper-division hours _____

60 hours in residence: _____

24 of the last 30 hours in residence: _____

18 upper-division Mathematics hours in residence: _____

No more than 16 hours of electives may be taken Pass/Fail.

Failure to maintain a 3.25 grade point average usually results in academic dismissal from the honors option.

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.