

Bachelor of Science in Biology; Option IX: Biology 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: ____ + ____ [CH 301H + 302H]

Science and Technology Part II: 3 hrs from a subject other than the one chosen for Part I from approved core list: ____ [BIO 315H]

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: 6 hours minimum, with grades of C- or better: BIO 379H ____ + BIO 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. The six hours of thesis coursework count towards the 24 hours of upper-division biology required.

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 ____

Honors Chemistry: CH 301H ____ + 302H ____

Honors Biology: BIO 315H ____ + 325H ____

Honors Course from Computer Science, Statistics and Scientific Computation, or Physics (301 + 101L, 316 + 116L, or 315 + 115L): ____

Biology with Grades of C- or Better (Minimum 24 Upper-division Hours Beyond BIO 325)

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

Cell and Molecular Biology: BIO 320 or 344 ____

Physiology: BIO 365R ____

Evolution: BIO 370 ____

Developmental Biology: BIO 349 ____

Additional Biology, 6 upper-division hours, from approved list (see reverse): ____ + ____ + ____ + ____

24 hours of Upper-division Biology must include 3 Upper-Division Labs, from approved list: ____ + ____ + ____

Note: BIO x77 or 379H may only count towards 1 of the 3 upper-division lab courses.

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Additional Science with Grades of C- or Better

Chemistry: CH 204 ____ + 318M + 118K ____ + 318N + 118L ____

Note: Must take CH/Biochem majors sections of CH 318M + 318N.

Physics: PHY 301 (or 303K or 317K) ____ + 101L (or 103M or 117M) ____
PHY 316 (or 303L or 317L) ____ + 116L (or 103N or 117N) ____

Note: PHY 301 + 101L or 316 + 116L will also satisfy the additional Breadth requirement

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.

15 hours: ____ + ____ + ____ + ____ + ____

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 36 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 Biology 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.

Approved List for 12 hours of Additional Required Upper-division Biology

Remaining 12 hours of Upper-division Biology may be satisfied with coursework from:

- a. Cellular, developmental, and molecular biology: Biology 320, 323L, 325L, 325T, 326D, 326E, 126L, 326R, 327, 127L, 328D, 330, 130L, 331L, 332, 333, 335, 336, 337 (Topic: Development and Evolution), 337J, 339, 339M, 343M, 344, 347, 349, 350M, 360K, 160L, 366, 366R, 367, 368L, 379G, 379J.
- b. Physiology, neurobiology, and behavior: Biology 322, 122L, 226S, 328, 128L, 329, 129L, 438L, 339, 341, 141L, 345, 345E, 359J, 359K, 359R, 360K, 160L, 361, 361L, 361T, 365D, 365L, 465M, 365N, 365R, 365S, 365T, 365W, 371M.
- c. Ecology and evolution: Biology 321L, 226S, 340L, 342L, 448L, 351, 352, 353L, 354L, 455L, 456L, 357, 458L, 359, 359J, 262, 262L, 363, 364, 365W, 369L, 370, 471G, 472L, 373, 373L, 375, 376, Marine Science 352C, 354Q.