

Bachelor of Science in Biology: Option IV: Microbiology
2010-12 Catalog (Expires August 2016)

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 M 408C]

Science and Technology Part I: 6 hrs in a single subject from approved core list: ____ + ____ [CH 301 or 301H and 302 or 302H]

Science and Technology Part II: 3 hrs from a subject other than the one chosen for Part I from approved core list: ____ [BIO 311C]

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, 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

Mathematics: M 408N ____ + 408S ____ OR M 408C ____ + 408D ____

General Chemistry: CH 301 or 301H ____ + 302 or 302H ____ + 204 ____

Organic Chemistry: CH 310M ____ + 310N ____ + 210C ____

Biochemistry: CH 369 ____ OR CH 339K ____ + 339L ____

Physics: PHY 302K (or 317K, 301 303K) ____ + PHY 102M (or 117M, 101L, 103M) ____
PHY 302L (or 317L, 316, 303L) ____ + PHY 102N (or 117N, 116L, 103N) ____

Biology with Grades of C- or Better

Introductory Biology: BIO 311C ____ + 311D ____ + 325 ____ OR 315H ____ + 325H ____

Biology Breadth (Asterisked Courses may also count toward the Biology Required for Microbiology lists)

Cellular, Developmental, and Molecular Biology, 3 hours: BIO 320, 326R*, 344, or 349: ____

Physiology and Neurobiology, 3 hours: BIO 328, 361T, 365R, or 365S: ____

Ecology and Evolution, 3 hours: BIO 357, 359K, 370, or 373: ____

Biology Required for Microbiology Option (Asterisked Courses may also count toward the Biology Breadth lists)

Biology required for Microbiology Option: BIO 126L ____ + 326R* ____ + 330 ____ + 360K ____ + 366 ____.

6 hours from the following, including 1 hour of lab: BIO 329, **129L**, **230L**, 332, 335, 336, 339M, **160L**, 361, **361L**, 361P, and 364: ____ + ____

5 hours of Additional upper-division laboratory coursework chosen from: BIO **129L**, **230L**, **160L**, and **361L**: _____

Minimum 24 hours of upper-division Biology beyond BIO 325, from lists (includes biology breadth courses and upper-division laboratory courses): ____

Biology courses that appear on more than one list in Biology Required for Microbiology Option may be counted only once.

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Enough Additional Elective Hours to Reach a Total of **126** 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, NSC, NTR, PHY, SSC, TXA, and UTS-Natural Sciences.

Total Hours and Residency Requirements _____

126 semester hours: _____

36 upper-division hours: _____

24 upper-division Biology hours beyond BIO 325 from approved lists: _____

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. Students may earn only one BA or one BS in Biology degree, though they may complete the requirements for additional 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.