

Bachelor of Science in Biology: Option II: Human Biology
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 ____

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 and Genetics: BIO 311C ____ + 311D ____ + 325 ____ OR 315H ____ + 325H ____

Statistics: BIO 318M ____

Human Biology: BIO 346 ____

Senior Seminar: BIO 137 (Topic 1: Senior Seminar in Human Biology; offered Pass/fail only in fall and spring): ____

Biology Breadth (Asterisked Courses may also count toward the Biology Required for Human Biology Option or the Human Biology Concentration)

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 Human Biology Option (Asterisked Courses may also count toward the Biology Breadth lists):

Cellular and Molecular Biology, 6 hours: BIO 320*, 320L, 323L, 325L, 326R* and 126L, 344*: ____ + ____

Anatomy, 3 hours: BIO 446L, 478L; ANT 432L; and KIN 324K: ____

Physiology, 3 hours: BIO 345E, 361T*, 365R*, 365S*, and 371M: ____

Behavior and Psychology, 3 hours: BIO 359K*, 359R; ANT 350M; and PSY 332: ____

Evolution and Ecology, 3 hours: BIO 357*, 364, 370*, 373*; and ANT 348: ____

Other than Lab courses, a course may count once toward the requirements in either the Biology Required for Human Biology or Human Biology Concentration (not both).

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Human Biology Concentration with Grades of C- or Better

15 Additional Hours, including 9 upper-division hours, from One Concentration (**Asterisked Courses may also count toward the Biology Breadth lists**):

Concentration: _____ : 9 Upper-division Hours: ____ + ____ + ____ AND 6 Additional Hours: ____ + ____

1. Cellular, molecular, and developmental biology: CH 369 ____ + 12 hours chosen from: BIO **320L, 323L, 126L**, 326R*, **328D**, 330, **230L, 331L**, 332, 337 (Topic: Genomics), 339M, 345, 349*, **349L**, 365N, 366R, and 379J.

2. Genetics and biotechnology: CH 369 ____ + 12 hours chosen from: BIO **325L**, 325T, **126L**, 326R*, 347 (fall), 366, 366R, 368L, 379G, 379J, and PHL 325M.

3. Pathogenesis and immunity: CH 369 ____ + 12 hours chosen from: BIO **126L**, 326R*, 329 (spring), **129L** (spring), 330, **230L**, 336 (spring), 347 (fall), 360K, **160L**, 360M, 361, **361L**, and 365T (fall).

4. Social aspects of health and disease: BME 301; GRG 357; PHR 350K; PHL 325M; SOC 319, 330C, 336C, 354K; WGS 345 (Topic 35: Psychosocial Issues in Women's Health).

5. Problems of developing countries: BIO 351; GRG 340D, 342C, 346, 356, 357, 358; SOC 319, 324K, 346, 369K, and 369L.

6. Human impact on the environment: ARC 359R (Topic 1: Modern American City); BIO 359, 373*, 373L, 375, 478T; GRG 334, 335N, 336C, 346, 366K, 367K; MNS 320 + **120L** (spring), 354Q (summer in Port Aransas Marine Science Institute); PHL 325C; and SOC 319.

Other than Lab courses, a course may count once toward the requirements in either the Biology Required for Human Biology or Human Biology Concentration (not both).

Requirements to be satisfied within Biology and Human Biology Concentration Areas Listed Above, with Grades of C- or Better

4 Laboratory Courses:

Introductory Laboratory: BIO 205L, 206L, or 208L: ____

1 Upper-division Biology Laboratory (in Bold in lists above): ____

2 Additional Upper-division Laboratory Courses (in Bold in lists above): ____ + ____

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

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.