

Bachelor of Science in Biology
Option II: Human Biology
2014-16 Catalog (Expires August 2022)

University Core Curriculum	Lacking
First-Year Signature Course: UGS 302 or 303 ____	
English: RHE 306 ____	
Humanities: One course chosen from E 316K (if taken prior to Fall 2014), 316L, 316M, 316N, 316P ____	
American & Texas Government: 6 hrs from approved core list ____ + ____	
American History: 6 hrs from approved core list ____ + ____	
Social and Behavioral Sciences: 3 hrs from approved core list ____	
Mathematics: 3 hrs from approved core list: ____ [M 408C or M 408N]	
Science and Technology Part I: 6 hrs in a single subject from approved core list: ____ + ____ [BIO 311C + BIO 311D]	
Science and Technology Part II: 3 hrs from approved list in a subject other than the one chosen for Part I: ____ [CH 301]	
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 <i>core requirement</i> and a <i>major requirement</i> with a single course.	

Additional General Education Requirements	Lacking
Two Writing Flags (must include a course that is not used to meet a core requirement and a course that is upper-division): ____ + ____ Quantitative Reasoning Flag Course: ____ Writing and Quantitative Reasoning Flag courses may satisfy other degree requirements.	

Introductory Mathematics and Science, with grades of C- or better	Lacking
Mathematics: M 408C or M 408N: ____	
Statistics: SDS 328M: ____	
Complete one of the following courses: M 408D, M 408S, SDS 348: ____	
Physics: 8 hours chosen from one of the following sequences (lecture and accompanying lab): ____ + ____ + ____ + ____ A. PHY 301 + 101L AND 316 + 116L B. PHY 317K + 117M AND 317L + 117N C. PHY 303K + 103M AND 303L + 103N D. PHY 302K + 102M AND 302L + 102N	
General Chemistry: CH 301 or 301H + 302 or 302H: ____ + ____	
General Chemistry Laboratory: CH 204: ____	
Organic Chemistry: CH 320M + 320N + 220C: ____ + ____ + ____	

Biology with grades of C- or better	Lacking
Complete one of the following sequences before progressing to other upper-division biology courses Biology Sequence: BIO 311C, 311D and 325 OR BIO 315H and 325H: ____ + ____ + ____	

Upper-division Biology Coursework with grades of C- or better	Lacking
Human Biology: BIO 346: ____	
Cellular and Molecular Biology: complete 6 hours of coursework chosen from the following list: BIO 320, 320L*, 323L*, 325L*, 325T, 226L* and 326R, 344: ____ + ____	
Complete at least 3 hours of coursework from each of the following lists: Physiology: BIO 361T, 365S, NEU 365R or BIO 365R: ____ Behavior and Psychology: BIO 359K, 359R, PSY 332: ____ Evolution and Ecology: BIO 357, 364, 370, 373: ____	

Human Biology Concentration Requirements with grades of C- or better (Complete Group A or Group B)	Lacking
Complete at least 15 hours of coursework, including at least 9 hours of upper-division work, from ONE of the TWO following groups of concentrations. Courses counted toward the upper-division Biology Coursework requirement above may not also be counted.	
Group A: Complete the Fundamentals of Biochemistry and 12 additional hours chosen from the following concentrations (a, b, c, d): BCH 369 ____ + ____ + ____ + ____ + ____ Only one of the following courses may be counted: ANT 432L*, BIO 446L*, 478L*, KIN 324K*.	
a. Cellular and Molecular Biology: BIO 320, 320L*, 323L*, 325L*, 325T, 226L*, 326R, 327E, 328D*, 330, 230L*, 331L*, 332, 337 (Topic: <i>Genomics</i>), 339, 339M, 345, 349, 349L*, 365N, 366R	
b. Genetics & Biotechnology: BIO 325L*, 325T, 226L*, 326R, 327D, 327E, 335, 337 (Topic: <i>Genomics</i>), 339, 347, 361, 366, 366R, PHL 325M	

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c. Pathogenesis and Immunity: BIO 226L*, 326R, 327E, 330, 230L*, 327D, 331L*, 332, 336, 337 (Topic: <i>Genomics</i>), 339, 347, 360K, 160L*, 360M, 361, 361P, 361L*, 366, NEU 365T or BIO 365T	
d. Human Variation and Evolution: ANT 432L*, 346L, 346M, 347C, 348, 348K (approved topics only), 349C, 350C, 351E, BIO 446L*, 478L*, KIN 324K*	
Group B: Complete 15 hours chosen from the following concentrations (e, f, g): ____ + ____ + ____ + ____ + ____ <i>SOC 319 and 369K may not both be counted.</i>	
e. Social Aspects of Health and Disease: BCH 369, GRG 357, PHR 310K or 350K, PHL 325M, SOC 308 (Topic 3: <i>Life and Death Decisions; Conquest of Disease; Contemporary US Social Problems; Global Inequalities and Health; Introduction to Sociological Health/Well-being</i>), 319, 321K, 330C, 336C, 336D, 354K, 358D, 369K	
f. Problems of Developing Countries: BIO 351, GRG 340D, 342C, 346, 356, 356T (Topic: <i>Global Societies</i>), 357, 358, SOC 319, 324K, 340C, 346, 369K, 369L	
g. Human Impact on the Environment: BIO 373, 373L*, 375, GRG 334, 335N, 336C, 346, 356T (Topic: <i>Environment, Development, and Food Production</i>), 366K, 367K, MNS 320, 120L*, 354Q, PHL 325C, SOC 319	

Biology Breadth Courses required for All BS Biology Options, with grades of C- or better	Lacking
<i>You must complete one course from each of the following lists. Courses used for the upper-division biology and concentration coursework listed may also count toward this requirement.</i>	
a. Cellular, Developmental, and Molecular Biology: BIO 320, 326R, 344, 349: ____	
b. Physiology and Neurobiology: BIO 328, 361T, 365S, NEU 365R or BIO 365R: ____	
c. Ecology, Evolution, and Behavior: BIO 357, 359K, 370, 373: ____	

Biology Laboratory Coursework	Lacking
<i>You must complete at least 4 laboratory courses in Biology and related fields, including BIO 206L or 208L. 3 of these courses must be upper-division, and one of those courses must be in Biology. Courses that can be used to fulfill this requirement are designated with an asterisk*. Courses counting toward other degree requirements may be used to meet this requirement. Lab courses in chemistry CANNOT be counted toward this requirement.</i>	
Course 1: BIO 206L or 208L: ____	
Course 2: ____ [Upper-division BIO course]	
Course 3: ____ [Upper-division]	
Course 4: ____ [Upper-division]	

24 hours of upper-division coursework beyond BIO 325 in Biology and approved related fields	Lacking
<i>Courses counting toward previous requirements will also be used to meet this requirement.</i>	

Enough Additional Elective Hours to Reach a Total of 120 Hours (including 36 upper-division hours)	Lacking

Minimum Grade Point Average Requirements	Lacking
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, BCH, BIO, CH, CS, EVS, GEO, HDF, HE, M, NEU, NSC, NTR, PBH, PHY, SDS, SSC, TXA, and UTS-Natural Sciences.	

Total Hours and Residency Requirements	Lacking
120 semester hours: ____	
36 upper-division hours: ____	
21 upper-division hours in biology in residence: ____	
60 hours in residence: ____	
No more than 6 hours of electives may be taken Pass/Fail. No more than 3 three-hour courses in Air Force Science, Military Science, and Naval Science may be counted toward the degree. The following courses will not count toward this degree: M 301, KIN 119, or PED one-hour activity courses. Please check course descriptions of lower-division science courses not required for majors in the same field of study to see if they can or cannot count toward this degree. A student may not earn more than one Bachelor of Arts, Bachelor of Science and Arts, or Bachelor of Science in Environmental Science degree from the University. A student may earn only one undergraduate degree in a particular field of study from the College of Natural Sciences. A student who holds a Bachelor of Arts or a Bachelor of Science and Arts degree from the university may earn a second major designation in another field of study that will appear on the University transcript. The title of the degree appears on the diploma, but the major does not. The title of the degree, the major, and the transcript-recognized certificate appear on the official transcript.	