Bachelor of Science in Biochemistry; Option I: Biochemistry
2010-2012 Catalog (Expires August 2018)

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 408C or M 408N]

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

Mathematics and Physics with Grades of C- or Better

Entry-level Mathematics: M 408N _____ + 408S _____ + 408M _____ OR M 408C _____ + 408D _____
Mathematics or Computer Science: 3 upper-division hours

Physics, 8 hours: chosen from one of the following sequences (lecture and accompanying lab):

1) PHY 317K _____ + 117M _____ AND 317L _____ + 117N _____ OR
2) PHY 301 _____ + 101L _____ AND 316 _____ + 116L _____ OR
3) PHY 303K _____ + 103M _____ AND 303L _____ + 103N _____

Natural Sciences, Engineering, and Geology with grades of C- or Better

9 hrs that count toward major requirements (excluding CH), from: College of Natural Sciences; Cockrell School of Engineering; and Jackson School of Geosciences. Elements of Computing courses may also be counted. No more than 6 hours of lab or field research may be counted.

Chemistry with Grades of C- or Better (42 Hours Minimum)

Entry-level Chemistry: CH 301 or 301H _____ + 302 or 302H _____
Introductory Laboratory: CH 317 or 204 _____

Organic Chemistry (8 hours from ONE of the following sequences):
CH 318M _____ + 118K _____ + 318N _____ + 118L _____ OR CH 310M _____ + 310N _____ + CH 210C_____

Biochemistry: CH 339K ________ + 339L _______ + 369L ________ + 370_______
Physical Chemistry: CH 353M _____
Analytical Chemistry: CH 455 _____
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Six hours of upper-division Chemistry (including 3 hours in lab marked with *) with grades of C- or better, chosen from

*CH 431 Inorganic Chemistry
*CH 376K Advanced Analytical Chemistry
CH 354 Quantum Chemistry and Spectroscopy
CH 354L Physical Chemistry II
CH 367L Macromolecular Chemistry

No more than 3 hours of CH 369K or CH 371K may be counted toward this requirement.

Biology with Grades of C- or Better

Entry-level Biology: BIO 311C _____ + 311D _____ OR BIO 315H _____

Genetics: BIO 325 or 325H (prerequisite BIO 315H) _____

BIO: 9 additional hours from lists, including 3 hours each from Physiology and Cellular and Developmental Biology: _____+_______+_______

*Physiology:

<table>
<thead>
<tr>
<th>Biology</th>
<th>Cell Biology</th>
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<tbody>
<tr>
<td>328</td>
<td>Introductory Plant Physiology</td>
</tr>
<tr>
<td>339</td>
<td>Metab &amp; Biochem of Microorganisms</td>
</tr>
<tr>
<td>345</td>
<td>Cell Physiology</td>
</tr>
<tr>
<td>361T</td>
<td>Comparative Animal Physiology</td>
</tr>
<tr>
<td>365R</td>
<td>Vertebrate Neurobiology</td>
</tr>
<tr>
<td>or 371M</td>
<td>Neuronal Basis of Brain and Behavior</td>
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<tr>
<td>365S</td>
<td>Vertebrate Systems Physiology</td>
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Cellular and Developmental Biology:

<table>
<thead>
<tr>
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<tbody>
<tr>
<td>320</td>
<td>Cell Biology</td>
</tr>
<tr>
<td>326R</td>
<td>General Micro: Cell Structure/Genetics</td>
</tr>
<tr>
<td>126L</td>
<td>General Microbiology Lab</td>
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<tr>
<td>330</td>
<td>Animal Virology</td>
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<tr>
<td>331L</td>
<td>Laboratory Studies in Molecular Biology</td>
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<tr>
<td>344</td>
<td>Molecular Biology</td>
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<tr>
<td>347</td>
<td>Biology/Genetics of Immune Disorders</td>
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<tr>
<td>349</td>
<td>Developmental Biology</td>
</tr>
<tr>
<td>360K</td>
<td>Immunology</td>
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Enough Additional Elective Hours to Reach a Total of 127 Hours (including 36 Upper Division Hours)

<table>
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<tr>
<th>127 semester hours:</th>
<th>36 upper-division hours</th>
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Minimum Grade Point Average Requirements

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

Minimum Grade Point Average Requirements

2.0 grade point average in all courses taken at the University of Texas at Austin:

Total Hours and Residency Requirements

127 semester hours: 36 upper-division hours

60 hours in residence: 24 of the last 30 hours in residence:

18 upper-division hours in residence (including 12 in chemistry):

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.

Chemistry/Biochemistry Undergraduate Advising Center

The Chemistry/Biochemistry Undergraduate Advising Office is located in Welch Hall (WEL) Room 2.216. Advising is usually offered by appointment from 9:00am - 12noon and from 1:30pm - 4:30pm. For information call 471-3097. You can expect to receive the following assistance:

• information about degree requirements and academic policies and procedures;
• advice about course selection;
• assessment of your academic progress;
• assistance with registration problems, when appropriate.

Student Responsibility

While University faculty and staff members give students academic advice and assistance, each student is expected to take responsibility for his or her education and personal development. The student must know and abide by the academic and disciplinary policies given in the Undergraduate Catalog and in the General Information catalog, including rules governing quantity of work, the standard of work required to continue in the University, scholastic probation and dismissal, and enforced withdrawal. The student must also know and meet the requirements of his or her degree program, including the University’s basic education requirements, must enroll in courses appropriate to the program, must meet prerequisites and take courses in the proper sequence to ensure orderly and timely progress must seek advice about degree requirements and other University policies when necessary.

CNS Academic Records July 2010