School of Natural Sciences and Mathematics

Bachelor of Arts in Biology and Criminology (Double Major)

Degree Requirements (128-130 hours)

I. Core Curriculum Requirements\(^1\): 42 hours

Communication (6 hours)
- 3 hours Communication (RHET 1302)
- 3 hours Communication Elective (CRIM 3300, BIOL 4337, BIOL 4390, BIOL 4391, BIOL 4398, BIOL 4399, PSCI 3325, or NATS 4310)\(^2\)

Social and Behavioral Sciences (15 hours)
- 6 hours Government (GOVT 2301 and GOVT 2302)
- 6 hours American History
- 3 hours Social and Behavior Sciences Elective (ECON 2301 or ECON 2302)\(^3\)

Humanities and Fine Arts (6 hours)
- 3 hours Fine Arts (ARTS 1301)
- 3 hours Humanities (HUMA 1301)

Mathematics and Quantitative Reasoning (6 hours)\(^3, 4\)
- 6 hours Calculus (MATH 2413 and MATH 2414) or Applied Calculus (MATH 1325) and either Statistics for Life Sciences (STAT 3332) or Introduction to Social Statistics with Laboratory (EPPS 34 05)

Science (9 hours)
- 9 hours Chemistry (CHEM 1311/1111, CHEM 1312/1112 and CHEM 2123)

II. Major Requirements: 71-73 hours

Biology Major Preparatory Courses (15-17 hours beyond Core Curriculum)
CHEM 1111 General Chemistry Laboratory I
CHEM 1112 General Chemistry Laboratory II
CHEM 1311 General Chemistry I
CHEM 1312 General Chemistry II
CHEM 2123\textsuperscript{5} Introductory Organic Chemistry Laboratory I
CHEM 2125\textsuperscript{5} Introductory Organic Chemistry Laboratory II
CHEM 2323\textsuperscript{5} Introductory Organic Chemistry I
CHEM 2325\textsuperscript{5} Introductory Organic Chemistry II
MATH 2413 Differential Calculus and MATH 2414 Integral Calculus\textsuperscript{3, 4}
   or MATH 1325 Applied Calculus I and either STAT 3332 Statistics for Life Sciences
   or EPPS 3405 Introduction to Social Statistics with Lab
PHYS 2325 and PHYS 2125 Mechanics with Laboratory
   or PHYS 1301 and PHYS 2125 College Physics I with Laboratory
PHYS 2326 and PHYS 2126 Electromagnetism and Waves with Laboratory
   or PHYS 1302 and PHYS 2126 College Physics II with Laboratory

Biology Major Core Courses (32 hours)

BIOL 2111\textsuperscript{5} Introduction to Modern Biology Workshop I
BIOL 2112\textsuperscript{5} Introduction to Modern Biology Workshop II
BIOL 2281\textsuperscript{5} Introductory Biology Laboratory
BIOL 2311\textsuperscript{5} Introduction to Modern Biology I
BIOL 2312\textsuperscript{5} Introduction to Modern Biology II
BIOL 3101 Classical and Molecular Genetics Workshop
BIOL 3102 Eukaryotic Molecular and Cell Biology Workshop
BIOL 3161 Biochemistry Workshop I
BIOL 3162 Biochemistry Workshop II
   or BIOL 3335 Microbial Physiology
BIOL 3301 Classical and Molecular Genetics
BIOL 3302 Eukaryotic Molecular and Cell Biology
BIOL 3318 Forensic Biology
BIOL 3361 Biochemistry I
**BIOL 3362** Biochemistry II

**BIOL 3380** Biochemistry Laboratory

**Criminology Major Preparatory Course** (No hours beyond Core Curriculum)

**ECON 2301** Principles of Macroeconomics

or **ECON 2302** Principles of Microeconomics

**Criminology Core Courses** (24 hours)

**CRIM 3300** Crime and Civil Liberties

**CRIM 3301** Theories of Justice

**CRIM 3302** Advanced Criminology

**CRIM 3303** Advanced Criminal Justice

**CRIM 3304** Research Methods in Crime and Justice Studies

**CRIM 3319** Comparative Justice Systems

**CRIM 4311** Crime and Justice Policy

**CRIM 4322** Senior Research Seminar

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### III. Elective Requirements: 15 hours

**Advanced Electives**

All students are required to take at least six hours of advanced electives outside their major field of study. These must be either upper-division classes or lower-division classes that have prerequisites. These may be satisfied with **CHEM 2323** and 2325, counted under Major Preparatory Courses.

**Guided Electives** (15 hours)

Biology (6 hours): **BIOL 4380** Cell and Molecular Biology Laboratory

**Criminology Related Electives** (9 hours)

All students must complete at least 51 hours of upper-division credit to graduate.

Freshman students are required to take **UNIV 1010** and **NATS 1101**.

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1. Curriculum Requirements can be fulfilled by other approved courses from accredited institutions of higher education. The courses listed in parentheses are recommended as the most efficient way to satisfy both Core Curriculum and Major requirements at UT Dallas.
2. Double majors may choose BIOL 4337, BIOL 4390, BIOL 4391, BIOL 4398, BIOL 4399, PSCI 3325, NATS 4310 or another approved Biology elective to fulfill the Core Curriculum Communication Elective.

3. A required Major course that also fulfills a Core Curriculum requirement. Hours are counted in Core Curriculum.

4. Six hours of Calculus are counted under Mathematics Core, and 2 hours of Calculus are counted as Major Preparatory Courses.

5. Indicates a prerequisite class to be completed before enrolling for upper-division classes.