School of Natural Sciences and Mathematics

Bachelor of Arts in Biology and Criminology (Double Major)

Degree Requirements (128-130 hours)

I. Core Curriculum Requirements: 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)

Social and Behavioral Sciences (15 hours)

6 semester credit hours Government (GOVT 2301 and GOVT 2302)

6 hours American History (HIST 1301 and HIST 1302)

3 hours Social and Behavioral Sciences Elective (ECON 2301 or ECON 2302)

Humanities and Fine Arts (6 hours)

3 hours Fine Arts (ARTS 1301)

3 hours Humanities (HUMA 1301)

Mathematics and Quantitative Reasoning (6 hours)

6 hours Calculus (MATH 2413 and MATH 2414)

or MATH 1325 Applied Calculus I and either STAT 3332 Statistics for Life Sciences or EPPS 340 Introduction to Social Statistics with Laboratory

Science (9 hours)

9 hours Chemistry (CHEM 1311 and CHEM 1111, CHEM 1312 and CHEM 1112, and CHEM 212)

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** Introductory Organic Chemistry Laboratory I
**CHEM 2125** Introductory Organic Chemistry Laboratory II
**CHEM 2323** Introductory Organic Chemistry I
**CHEM 2325** Introductory Organic Chemistry II

**MATH 2413** Differential Calculus and **MATH 2414** Integral Calculus

or **MATH 1325** Applied Calculus I and either **STAT 3332** Statistics for Life Sciences or **EPPS 340** Introduction to Social Statistics with Lab

**PHYS 2325** Mechanics and **PHYS 2125** Physics Laboratory I

or **PHYS 1301** College Physics I and **PHYS 2125** Physics Laboratory I

**PHYS 2326** Electromagnetism and Waves and **PHYS 2126** Physics Laboratory II

or **PHYS 1302** College Physics II and **PHYS 2126** Physics Laboratory II

Biology Major Core Courses (32 hours)

**BIOL 2111** Introduction to Modern Biology Workshop I
**BIOL 2112** Introduction to Modern Biology Workshop II
**BIOL 2281** Introductory Biology Laboratory
**BIOL 2311** Introduction to Modern Biology I
**BIOL 2312** 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\(^3\)
or  ECON 2302  Principles of Microeconomics\(^3\)

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

III. Elective Requirements: 15 hours

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

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.

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