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
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**.
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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