School of Natural Sciences and Mathematics

Bachelor of Arts in Biology and Criminology (Double Major)

Degree Requirements (134-137 semester credit hours)

I. Core Curriculum Requirements: 42 semester credit hours

Communication: 6 semester credit hours
**COMM 1311** Survey of Oral and Technology-based Communication

**RHET 1302** Rhetoric

**Mathematics: 3 semester credit hours**

Choose one course from the following:

- **MATH 1325** Applied Calculus
- **MATH 2413** Differential Calculus

**Life and Physical Sciences: 6 semester credit hours**

- **CHEM 1311** General Chemistry
- or **CHEM 1315** Honors Freshman Chemistry
- **CHEM 1312** General Chemistry II
- or **CHEM 1316** Honors Freshman Chemistry II

**Language, Philosophy and Culture: 3 semester credit hours**

Select any 3 semester credit hours from [Language, Philosophy and Culture Core](#) courses (see advisor)

**Creative Arts: 3 semester credit hours**

Select any 3 semester credit hours from [Creative Arts Core](#) courses (see advisor)

**American History: 6 semester credit hours**

Select any 6 semester credit hours from [American History Core](#) courses (see advisor)

**Government / Political Science: 6 semester credit hours**

- **GOVT 2305** American National Government
- **GOVT 2306** State and Local Government

**Social and Behavioral Sciences: 3 semester credit hours**

Choose one course from the following:

- **CRIM 1301** Introduction to Criminal Justice
- **CRIM 1307** Introduction to Crime and Criminology
- **ECON 2301** Principles of Macroeconomics
- **SOC 1301** Introduction to Sociology

Or select any 3 semester credit hours from [Social and Behavioral Sciences Core](#) courses (see advisor)
Component Area Option: 6 semester credit hours

**MATH 2414** Integral Calculus\(^6\), \(^5\), \(^6\)

or **STAT 2332** Introductory Statistics for Life Sciences\(^6\)

or **EPPS 2302** Methods of Quantitative Analysis in the Social and Policy Sciences\(^6\)

**ECON 2302** Principles of Microeconomics\(^6\)

II. Major Requirements: 77-80 semester credit hours

**Biology Major Preparatory Courses: 18-21 semester credit hours beyond Core Curriculum**

**CHEM 1111** General Chemistry Laboratory I

or **CHEM 1115** Honors Freshman Chemistry Laboratory I

**CHEM 1112** General Chemistry Laboratory II

or **CHEM 1116** Honors Freshman Chemistry Laboratory II

**CHEM 1311** General Chemistry I\(^4\)

or **CHEM 1315** Honors Freshman Chemistry I\(^4\)

**CHEM 1312** General Chemistry II\(^4\)

or **CHEM 1316** Honors Freshman Chemistry II\(^4\)

**CHEM 2123** Introductory Organic Chemistry Laboratory I\(^7\)

**CHEM 2125** Introductory Organic Chemistry Laboratory II\(^7\)

**CHEM 2323** Introductory Organic Chemistry I\(^7\)

**CHEM 2325** Introductory Organic Chemistry II\(^7\)

**MATH 2413** Differential Calculus and **MATH 2414** Integral Calculus\(^6\), \(^5\), \(^6\)

or **MATH 1325** Applied Calculus I

and **STAT 2332** Introductory Statistics for Life Sciences

or **EPPS 2302** Methods of Quantitative Analysis in the Social and Policy Sciences\(^6\)

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

or **PHYS 2421** Honors Physics I - Mechanics and Heat\(^8\)

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 2422** Honors Physics II - 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 semester credit 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

**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

or **BIOL 3335** Microbial Physiology

**BIOL 3380** Biochemistry Laboratory

Criminology Major Preparatory Courses: 3 semester credit hours beyond Core Curriculum

**CRIM 1301** Introduction to Criminal Justice

**CRIM 1307** Introduction to Crime and Criminology

**ECON 2301** Principles of Macroeconomics

or **ECON 2302** Principles of Microeconomics

Criminology Core Courses: 24 semester credit hours

**CRIM 3300** Crime and Civil Liberties

**CRIM 3302** Advanced Criminology

**CRIM 3303** Advanced Criminal Justice

**CRIM 3310** Youth Crime and Justice

**CRIM 4311** Crime and Justice Policy
Choose one course from the following (3 semester credit hours):

**CRIM 3301** Theories of Justice
**ECON 4330** Law and Economics
**SOC 4302** Class, Status, and Power

And

Choose one course from the following (3 semester credit hours):

**CRIM 3319** Comparative Justice Systems
**ECON 4360** International Trade
**PSCI 3350** Comparative Politics

III. Elective Requirements: 15 semester credit hours

**Guided Electives: 15 semester credit hours**

**Biology (6 semester credit hours):**

**BIOL 4380** Cell and Molecular Biology Laboratory

3 semester credit hours approved upper-division BIOL elective

**Criminology Related Electives: 9 semester credit hours**

All students must complete at least 51 semester credit hours of upper-division courses to graduate.
counted in Core Curriculum.

5. Six semester credit hours of Calculus are counted under Mathematics Core and Component Area Option Core, and 2 semester credit hours of Calculus are counted as Major Preparatory Courses.

6. Students may substitute MATH 2413 and MATH 2414 by taking MATH 2417 and MATH 2419.

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

8. Students who complete PHYS 2421 do not need to complete PHYS 2125.

9. To be taken upon completion of Criminology core courses.

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