For the biology option, a minimum of 126 credits is required, with at least 24 credits at the 400 level. Within these 126 credits, students also must satisfy the University’s First Year Seminar, Intercultural and International Competence or U.S. Cultures/International Cultures, and Writing Across the Curriculum requirements. Students must have a grade of C or better in all prescribed and additional courses (see Degree Programs Bulletin). Courses required for entrance to major (ETM) are marked with (*). NOTE: The checklist and other program-related documents can be found at www.forensics.psu.edu.

**REQUIREMENTS FOR THE MAJOR (126 credits)**

**WRITING/SPEAKING – GWS (9 credits)**
- ENGL 15 or 30 3
- ENGL 202 A, B, C or D (A or C preferred) 3
- CAS 100 A, B, or C - Speech 3

**ARTS – GA (6 credits)**

**HUMANITIES – GH (6 credits)**
- PHIL 132 – Bioethics 3

**SOCIAL/BEHAV SCIENCES – GS (6 credits)**

**PHYSICS (8 credits)**
- PHYS 211 (GN) – Mechanics 4
- PHYS 212 (GN) – Electricity and Magnetism 4

**CHEMISTRY (16 credits)**
- * CHEM 110/111 – Gen Chemistry I/Lab (GN) 3/1
- * CHEM 112 - Gen Chemistry II (GN) 3
- CHEM 210 – Organic Chemistry I 3
- CHEM 212 - Organic Chemistry II 3
- CHEM 213 - Organic Chemistry Lab 2

**LIFE SCIENCES (26 credits)**
- BMB 251 – Molecular and Cell Biology 3
- MICRB 201 – Introductory Microbiology 3
- MICRB 202 – Intro Microbiology Lab 2
- BIOL 222 OR 322 – Genetics 3
- BMB 400 – Molecular Biology of the Gene 3
- BMB 401 – General Biochemistry I 3
- BMB 442 – Proteins/Nucleic Acids Lab 3

**FORENSIC SCIENCE (26 credits)**
- FRNSC 100 – Intro. To Forensic Science 3
- *FRNSC 210 – Essential Practices of FRNSC 3
- FRNSC 400 – Courtroom Testimony 1
- FRNSC 410 – A Scientific Approach to CSI 2
- FRNSC 411 – Crim: Trace & Impression Evid. 3
- FRNSC 413 – Crim: Biology 3
- FRNSC 415W – Lab in CSI 2
- FRNSC 421W – Forensic Molecular Biology 4
- FRNSC 475 – Forensic Science Seminar 1
- FRNSC 485W – Coalescence of Forensic Science Concepts 4

**ADDITIONAL AND SUPPORTING COURSES (6 credits)**
- Select at least one 400 level course – See recommendations from LIST A and B, and see LIST C for courses that cannot be used in this category

**CRIMINAL JUSTICE (3 credits)**
- CRIM 100 – Intro to the Criminal Justice System 3

**CRIMINAL JUSTICE (3 credits)**
- CRIM 113 – Intro to the Law 3

**CREDITS EARNED/DO NOT APPLY TO MAJOR**
- There may be credits that are earned but do not apply to graduation – List these courses below

**NOTE:**
- All freshmen must take a first year seminar;
- PSU 016 Forensic Science is recommended.