For the chemistry option, a minimum of 124 credits is required, with at least 24 credits at the 400 level. Within these 124 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 (124 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

#### HLTH/PHYS ACTIVITY – GHA (3 credits)

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

#### QUANTIFICATION (11 credits)(6 GQ credits)
- *MATH 140 – Calculus I (GQ) 4
- MATH 141 – Calculus II (GQ) 4
- STAT 250 – Biostatistics (GQ) 3

#### PHYSICS (8 credits) (211/212 recommended)
- PHYS 250 (GN) – Introductory Physics I 4
- PHYS 251 (GN) – Introductory Physics II 4
- PHYS 211 (GN) – Mechanics 4
- PHYS 212 (GN) – Electricity and Magnetism 4
- BIOL 110 – General Biology (GN) 4
- BIOL 230W – Biology: Molecules and Cells (GN) 4
- MICRB 201 – Introductory Microbiology 3
- MICRB 202 – Intro. Microbiology Lab 2

#### CHEMISTRY (23 credits)
- *CHEM 110 – General Chemistry I (GN) 3
- *CHEM 111 – General Chemistry I Lab (GN) 1
- *CHEM 112 – General Chemistry II (GN) 3
- CHEM 113 - General Chemistry II Lab (GN) 1
- CHEM 210 – Organic Chemistry I 3
- CHEM 212 - Organic Chemistry II 3
- CHEM 213W - Organic Chemistry Lab 2
- CHEM 227 – Analytical Chemistry 4
- CHEM 425 – Chromatography & Electrochemistry 3

#### LIFE SCIENCES (8 credits)
- CRIM 100 – Intro to the Criminal Justice System 3
- OR CRIM 113 – Intro to the Law 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 427W – Forensic Chemistry 4
- FRNSC 475 – Forensic Science Seminar 1
- FRNSC 485W – Coalescence of Forensic Science Concepts 4

#### REQUIRED ADDITIONAL COURSES (9 credits)
- List A 3
- List A 3
- List A 3

#### CRIMINAL JUSTICE (3 credits)
- CRIM 100 – Intro to the Criminal Justice System 3
- OR CRIM 113 – Intro to the Law 3

#### RECOMMENDED SUPPORTING COURSES (6 credits)
- Select 6 credits that meet the criteria for List B – List the courses below

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