**FORENSIC CHEMISTRY MAJOR**

**Catalog Years 2021-2022**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Advisee |  |  | Advisor |  |
| Student ID |  |  | Date |  |

Please use the following notations when you complete the checklist:

X = course completed

IP = course in progress

SP20 = intend to register for the course in spring 2020

**Core Curriculum Requirements**

To fulfill Towson University’s Core Curriculum requirements students must

Complete one course from each of the following 14 categories. For further explanation of Core Curriculum Courses, visit: <https://inside.towson.edu/universityrelations/core/corerequirements.cfm>

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Core Curriculum Requirements** | | | | |
|  | 1. Towson Seminar\* |  |  | 10. Metropolitan Perspectives |
|  | 2. English Composition\* |  |  | 11. The United States as a Nation |
|  | 3. EXEMPT |  |  | 12. Global Perspectives |
|  | 4. Creativity and Creative Development |  |  | 13. Diversity and Difference |
|  | 5. Arts and Humanities |  |  | 14. Ethical Issues and Perspectives |
|  | 6. Social and Behavioral Sciences |  |  |  |
|  | 7. EXEMPT |  |  |  |
|  | 8. EXEMPT |  |  | \****Grade of ‘C’ or better required;*** |
|  | 9. Advanced Writing Seminar\* |  |  | ***all others require ‘D’ or better.*** |

**Core Courses (38 units)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | CHEM | 131/131L | 4 units | General Chemistry I |
|  | CHEM | 132/132L | 4 units | General Chemistry II |
|  | CHEM | 210 | 5 units | Analytical Chemistry |
|  | CHEM | 331/332 | 5,5 units | Organic Chemistry I & II |
|  | CHEM | 351 | 3 units | Biochemistry I |
|  | FRSC | 367 | 3 units | Forensic Chemistry |
|  | FRSC | 368 | 3 units | Professional Practices in Forensic Science |
|  | FRSC | 440 | 3 units | Forensic Biochemistry, Emergency Medicine/Death Analysis |

**Capstone (select 1 of the following)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | FRSC | 401 | 3 units | Forensic Science Capstone |
|  | CHEM | 491 | 3units | Research in Chemistry |
|  | CHEM | 395 | 3 units | Internship in Chemistry |

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| **Ancillary Courses ( 32 Units )** | | | | |
|  | ANTH | 357 | 3 units | Introduction to Forensic Crime Analysis |
|  | ANTH | 457 | 3 units | Advanced Forensic Investigation |
|  | BIOL | 200/  200L | 3 units (1 unit) | Cellular Biology and Genetics  (replaces BIOL 201) |
|  | BIOL | 206/  (206L) | 3units  (1 unit ) | Introduction to Ecology and Evolution |
|  | CRMJ | 254 | 3 units | Introduction to Criminal Justice |
|  | CRMJ | 384 | 3 units | Advanced Criminal Law |
|  | MATH | 237 | 4 units | Elementary Biostatistics |
|  | MATH | 273 | 4 units | Calculus |
|  | PHYS | 211-212 | 4 units | Gen Physics I and II ( non – calc ) |
|  | or |  |  |  |
|  | PHYS | 241-242 | 4 units | Gen Physics I and II ( calc ) |

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| **GENERAL FORENSIC SCIENCE TRACK (21 UNITS )** | | | | |
|  | BIOL | 309 | 4 units | Genetics |
|  | BIOL | 409 | 4 units | Molecular Biology |
|  | CHEM | 310 | 4 units | Instrumental Analysis |
|  | CHEM | 345 | 3 units | Principles of Physical Chemistry |
|  | FRSC | 363 | 3 units | Chemistry of Dangerous Drugs |
|  | CHEM | 467 | 3 units | Forensic Analytical Chemistry |

**TRACE EVIDENCE /DRUGS ANALYSIS TRACK (18 UNITS)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | CHEM | 310 | 4 units | Instrumental Analysis |
|  | CHEM | 345 | 3 units | Principles of Physical Chemistry |
|  | CHEM | 372 | 2 units | Physical Chemistry Laboratory |
|  | CHEM | 480 | 3 units | Chemical Toxicology |
|  | CHEM | 467 | 3 units | Forensic Analytical Chemistry |
|  | FRSC | 363 | 3 units | Chemistry of Dangerous Drugs |

**DNA TRACK (20 UNITS)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | BIOL | 309 | 4 units | Genetics |  |
|  | BIOL | 409 | 4 units | Molecular Biology |  |
|  | BIOL | 410 | 2 units | Molecular Biology Lab |  |
|  | or |  |  |  |  |
|  | CHEM | 356 | 2 units | Biochemistry Lab |  |
|  | FRSC | 420 | 4 units | Body Fluid Analysis |  |
|  | FRSC | 422 | 3 units | Advanced Sequencing Methods |  |

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| NOTE: \* Course cannot be counted as both part of the core and part of the electives.  \*\*A maximum total of 4 units from among thee course may be applied to the elective requirements  # Only one CHEM 401, BIOL486, MBBB 493 may be counted for elective credit.  + Course has a prerequisite not listed among the core courses above. |

**General Graduation Requirements**

**120 Units Required**

Total units to date including current semester: \_\_\_\_\_\_ units

**32 Units Upper Division Required**

Total Upper Division units to date including current semester: \_\_\_\_\_\_ units

Current GPA: ­\_\_\_\_\_\_

**Advisor’s Note:**