**FORENSIC CHEMISTRY MAJOR**

**Catalog Years 2022-2023**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| 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>

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| **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. Satisfied by CHEM 301\* |  |  | ***all others require ‘D’ or better.*** |

**Core Courses (38 units)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | CHEM | 131/131L | 3+1 units | General Chemistry I  |
|  | CHEM | 132/132L | 3+1 units  | General Chemistry II  |
|  | CHEM | 220/220L | 3+2 units | Analytical Chemistry  |
|  | CHEM | 301 | 3 units | Professional Ethics for Scientists |
|  | 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 | 3 units  | 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+1 units  | Cellular Biology and Genetics  |
|  | BIOL | 206/206L | 3+1 units | 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 (18 UNITS)**  |
|  | BIOL | 309 | 4 units  | Genetics  |
|  | BIOL | 409 | 4 units  | Molecular Biology |
|  | CHEM  | 310 | 4 units  | Instrumental Analysis |
|  | 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 (17-18 UNITS)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | BIOL | 309 | 4 units  | Genetics |  |
|  | BIOL | 409 | 4 units  | Molecular Biology  |  |
|  | BIOL | 410 | 3 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 |  |

**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:**