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| Advisee: |  | Advisor: |  |
| Student ID: |  | Date: |  |

Please use the following notations when you complete the checklist: **X** = completed, **IP** = in progress, Semester of intended enrollment (e.g. **SP 22**)

**Common Requirements (43-45 units)**

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| **Natural Sciences, Mathematics and Statistics** | | | | | Including courses from the current  semester, fill in your credit count. | |
|  | BIOL | 206, 206L | 4 units | Biology II: Introduction to Ecology and Evolution Lecture and Lab |
|  | CHEM | 131, 131L | 4 units | General Chemistry I Lecture and Lab | Total Credits |  |
|  | CHEM | 132, 132L | 4 units | General Chemistry II Lecture and Lab | Upper-Level Credits |  |
|  | GEOL | 121 | 4 units | Physical Geology | (300-400 level) |  |
|  | | | | | Current GPA |  |
| ***One of the following:*** | | | | | Expected Graduation |  |
|  | MATH | 119 | 4 units | Pre-Calculus\* | Notes: | |
|  | MATH | 211 | 3 units | Calculus for Applications \* |
| \*Students whose math placements scores preclude entering MATH 119 or MATH 211 directly must take MATH 115. Once MATH 115 is successfully completed, student will complete the mathematics requirement for ENVS by taking either MATH 117-Trigonometry or MATH 211. | | | | |
| ***One of the following:*** | | | | |
|  | MATH | 231 | 3 units | Basic Statistics |
|  | MATH | 237 | 4 units | Elementary Biostatistics |
|  | GEOG | 375 | 3 units | Quantitative Methods in Geography |
|  | ECON | 205 | 3 units | Statistics for Business and Economics |

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| **Select two of the following course sequences which included a lower-level course and an upper-level course.** | | | | |
| ***Sequence 1: Geography*** | | | | |
|  | GEOG | 101 | 3 units | Physical Geography |
|  | GEOG | 410 | 3 units | Environmental Geography |
| ***Sequence 2: Economics*** | | | | |
|  | ECON | 201 | 3 units | Microeconomic Principles |
|  | ECON | 375  *Or*  376 | 3 units | Environmental Economics  Natural Resources Economics |
| ***Sequence 3: Government and Policy*** | | | | |
|  | POSC | 103  Or  207 | 3 units | American National Government  State Government |
|  | ENVS | 411  Or  420  Or  425 | 3 units | Water Policies of the United States  Environmental Policy and Sustainable Management  Science and Policy of the Chesapeake Bay Restoration |

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| **Social Sciences/Humanities** | | | | | |
|  | ENGL  *Or*  GEOG | 318  383 | 3 units | Technical and Scientific Writing  Natural Resources and Society: A Geographic Prospective | Both are advanced writing courses that also satisfy CORE 9 requirements. |
|  | HLTH  *Or*  PHIL | 451  255 | 3 units | Introduction to Environmental Health  Environmental Ethics | |

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| **Applications Requirement for All Science Tracks** | | | | |
| \_\_\_ | ENVS  *Or*  ENVS  *Or*  ENVS | 482  485  491 | 3 units | Environmental Research  Environmental Internship  Senior Seminar |

**Environmental Biology Track Requirements (28-38 units)**

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|  | **BIOL** | **200, 200L** | **4 units** | **Biology I: Introduction to Cellular Biology and Genetics Lecture and Lab** |
| ***One of the following:*** | | | | |
|  | BIOL | 205 | 4 units | General Botany |
|  | BIOL | 207 | 4 units | General Zoology |
| ***One of the following:*** | | | | |
|  | BIOL | 310 | 4 units | Conservation Biology |
|  | BIOL | 402 | 4 units | General Ecology |
|  | BIOL | 435 | 4 units | Plant Ecology |
| ***One of the following:*** | | | | |
|  | CHEM | 330 | 5 units | Essentials of Organic Chemistry |
| *Or both* | | | | |
|  | CHEM | 331 | 5 units | Organic Chemistry I |
|  | CHEM | 332 | 5 units | Organic Chemistry II |

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| **Biology Electives (Three courses from the following)** | | | | |
|  | BIOL | 304 | 3 units | Natural History Interpretation and Public Environmental Education |
|  | BIOL | 306 | 3 units | Human Ecology and Sustainability |
|  | BIOL | 309 | 4 units | Genetics |
|  | BIOL | 310\*\* | 4 units | Conservation Biology |
|  | BIOL | 318 | 4 units | Microbiology |
|  | BIOL | 325 | 4 units | Animal Physiology |
|  | BIOL | 334 | 3 units | Humans, Science, and the Chesapeake Bay |
|  | BIOL | 347 | 3 units | Marine Biology |
|  | BIOL | 353 | 4 units | Invertebrate Zoology |
|  | BIOL | 382 | 3 units | Environmental Education and Service Learning in the Tropics |
|  | BIOL | 389\* | 3 units | Current Developments in Biology\* |
|  | BIOL | 402\*\* | 4 units | General Ecology |
|  | BIOL | 405 | 4 units | Molecular Ecology, Evolution, and Conservation |
|  | BIOL | 406 | 4 units | Limnology |
|  | BIOL | 413 | 3 units | Evolution |
|  | BIOL | 419 | 3 units | Environmental Microbiology |
|  | BIOL | 432 | 4 units | Vascular Plant Taxonomy |
|  | BIOL | 435\*\* | 4 units | Plant Ecology |
|  | BIOL | 436 | 4 units | Plant Physiology |
|  | BIOL | 444 | 3 units | Wildlife Management |
|  | BIOL | 446 | 3 units | Tropical Ecology and Conservation |
|  | BIOL | 447 | 4 units | Tropical Field Ecology |
|  | BIOL | 450 | 3 units | Ecological Biochemistry |
|  | BIOL | 452 | 4 units | Wetlands Ecology |
|  | BIOL | 455 | 4 units | Fish Biology |
|  | BIOL | 456 | 4 units | Ornithology |
|  | BIOL | 458 | 4 units | Mammalogy |
|  | BIOL | 461 | 4 units | Entomology |
|  | BIOL | 467 | 4 units | Herpetology |
|  | BIOL | 473 | 3 units | Ecological Field Methods Laboratory |
|  | BIOL | 474 | 3 units | Molecular Techniques in Ecology, Evolution, and Conservation |
|  | CHEM | 480 | 3 units | Chemical Toxicology |
| \*Topic must be approved by ENVS program director | | | | |
| \*\*One of the two ecology courses, not taken as “required,” can be used as an elective | | | | |

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| **General Elective (One additional elective course from any of the Env. Sci. and Studies tracks) 2 to 4 units** | | | | |
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| **Core Curriculum Requirements** | | | |
|  | 1. Towson Seminar\* | **Perspectives (10-14)** One course under Perspectives must be taken in a discipline in the arts and humanities, different from the discipline in requirement 5. One course under Perspectives must be taken in a discipline in the social and behavioral sciences, different from the discipline in requirement 6. | |
|  | 2. English Composition\* |
|  | 3. Mathematics |
|  | 4. Creativity and creative Development |
|  | 5. Arts and Humanities |
|  | 6. Social and Behavioral Sciences |
|  | 7. Biological and Physical Sciences |
|  | 8. Biological and Physical Sciences |  | 10. Metropolitan Perspectives |
|  | 9. Advanced Writing Seminar\* |  | 11. The United States as a Nation |
| **\*Grade of ‘C” or better required; all other require “D” or better.** | |  | 12. Global Perspectives |
|  | 13. Diversity and Difference |
|  | 14. Ethical Issues and Perspectives |

NOTES: