**Environmental Science and Policy**

**Environmental Biocomplexity Concentration (EVBC)**

**Master of Science**

**Student: \_\_\_\_\_\_\_\_\_\_\_\_\_\_ G# \_\_\_\_\_\_\_\_\_\_\_\_ Advisor \_\_\_\_\_\_\_\_\_\_ Admitted \_\_\_\_\_\_\_**

The environmental biocomplexity concentration is designed for students desiring an MS degree with an environmental biocomplexity theme encompassing the disciplines of population genetics, microbial ecology, and/or molecular systematics.

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| **Natural Sciences (6 credit hours)** |
| **Semester** | **Course #** | **Course Name** | **Credits** |
|  |  |  | 3 |
|  |  |  | 3 |
| At least 6 credits are required in courses that can be drawn from offerings in ecology, biogeochemistry, biochemistry, population genetics, molecular biology, molecular systematics, molecular evolution, microbial ecology, microbial diversity, quantitative genetics, and population biology. [EVPP 607 - Fundamentals of Ecology](http://catalog.gmu.edu/preview_program.php?catoid=22&poid=20500) (3) (is required for those students without previous course work in ecology and can be included within the 6 credits) |
| **Public Policy (6 credit hours)** |
|  |  |  | 3 |
|  |  |  | 3 |
| At least 6 credits are required in environmental law, human ecology, environmental ethics, patent law, or legal and ethical issues in science. |
| **Methods and Statistics (9 credit hours)** |
|  |  |  | 3 |
|  |  |  | 3 |
|  |  |  | 3 |
| At least 9 credits are required in statistics, bioinformatics, information systems, instrumental analysis, microbiological techniques, molecular methods, or phylogenetic methods. |
| **Seminar (1 credit hour)** |
|  | [EVPP 692 - Master's Seminar in Environmental Science and Public Policy](http://catalog.gmu.edu/preview_program.php?catoid=22&poid=20500)  | 1 |
| Title: |
| **Research**  |
| Option 1 or Option 2 | EVPP 799 EVPP 798 | Thesis *(continuous registration) (minimum of 3 credits)*Individual Project\* *(1-3 credits)*Comprehensive Exam Date: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ |  |
| **Electives** *(if necessary to bring the total to 33 credits)* |
|  |  |  |  |
|  |  |  |  |
| **TOTAL** | **33** |

**SIGNATURES (required)**

**Student \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Project or Thesis Committee (required)**

**Chair \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Member \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Member \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

**Graduate Program Director\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_Date\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_**

***\* A comprehensive exam must be passed for the Individual Project and a defense must be passed for the thesis option. All substitutions must be approved by the Graduate Program Director.***