**Student Progress Report**

**MS in Environmental Science and Management**

**Official statement of requirements and policies:**

<https://catalog.udel.edu/content.php?catoid=64&navoid=16653>

<https://www.udel.edu/academics/colleges/ceoe/prospective-students/graduate/environmental-science-and-management/>

**Step by Step guide to Graduation from the Graduate College**

<https://www.udel.edu/academics/colleges/grad/current-students/academic-support/steps-to-graduation/>

Please keep progress report filed with Graduate Committee of the Graduate Committee of Your Advisor’s Department with a copy to Kelli Kerbawy ( kerbawy@udel.edu)

Student Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Semester/Year of Matriculation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Academic Advisor at Matriculation: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Academic Track: Climate Science Earth Resources Marine Science

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Amendment (use space below to document a change of /research advisor, new advisor’s signature required) and/or change in track (present academic advisor signature required)

New Academic Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date of change: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

Research Advisor (if applicable): \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date of change: \_\_\_\_\_\_\_\_\_\_\_\_\_\_

New Academic Track: Climate Science Earth Resources Marine Science

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 Approval of Academic Advisor: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Coursework Required Report Semester/Year Taken**

ENSC 601 Fundamentals of Environmental Science (3 cr.) \_\_\_\_\_\_\_\_\_\_\_

MAST 675 Natural Resource Economics (3 cr.) \_\_\_\_\_\_\_\_\_\_\_

MAST 663 Decision Tools for Policy Analysis (3 crs.) \_\_\_\_\_\_\_\_\_\_\_

Substituted Course - Course Number:\_\_\_\_\_\_\_\_\_\_\_ Replaces:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

**Coursework Required Report Semester/Year Taken**

**One of the following Management Foundation Courses**
(1) UAPP 690 Seminar: Public Administration (3 crs.) \_\_\_\_\_\_\_\_\_\_\_

 or

(2) UAPP 707 Public Policy Analysis (3 crs.) \_\_\_\_\_\_\_\_\_\_\_

**Substituted Course** - Course Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Replaces:\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

**One of the following Data Analysis Courses**

1. SPPA 704 Advanced Quantitative Methods (3 crs.) \_\_\_\_\_\_\_\_\_\_\_

 or

1. SPPA 721 Data Science Tools for Evidenced-based Policy (3 cr.) \_\_\_\_\_\_\_\_\_\_\_

 or

1. GEOG 604 GIS for Environmental Research \_\_\_\_\_\_\_\_\_\_\_\_

**Substituted Course** - Course Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Replaces:\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_

**One of the following Science-Management Connections Courses**

(1) MAST 663 Coupling Human to Natural Systems (3 crs.) \_\_\_\_\_\_\_\_\_\_\_

 or

(2) MAST 628 Offshore Wind Power (3 cr.) \_\_\_\_\_\_\_\_\_\_\_

**Substituted Course** - Course Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Replaces:\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

**Two Track** (**Climate, Earth Resources or Marine)** **Science Courses from approved list (\*see last page)**

Two science courses (3 cr. Hrs. each) from the list of science courses in the track you will graduate in are required and must be approved by your Academic Advisor.

**Science Elective 1**

**Course# Course Title Semester Credit Hours**

**\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**Approval by Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Science Elective 2**

**Course# Course Title Semester Credit Hours**

**\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**Approval by Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Substituted Course** - Course Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Replaces:\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

**Two Track** (**Climate, Earth Resources or Marine)** **Management Courses from the approved list (\*see last page)**

Two management courses (3 cr. Hrs. each) from the list of management courses in the track you will graduate in are required and must be approved by your Academic Advisor.

**Management Elective 1**

**Course# Course Title Semester Credit Hours**

**\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**Approval by Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Management Elective 2**

**Course# Course Title Semester Credit Hours**

**\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_**

**Approval by Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_**

**Substituted Course** - Course Number:\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Replaces:\_\_\_\_\_\_\_\_\_\_\_ \_\_\_\_\_\_\_\_\_\_\_

**One of the following**

You are required to either complete a capstone experience or an analytical paper. Complete whichever applies to you.

1. *Capstone Experience* Report Semester/Year Taken

MAST 664 Environmental Issue Capstone (3 crs.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

 or

1. *Analytical Paper\**

MAST 865 Analytical Paper (3 crs.) \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

\*Approval of Analytical Paper Option

Faculty Director \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Date \_\_\_\_\_\_\_\_\_\_\_\_\_\_

**You are required to meet with your advisor at least once each semester to discuss progress and any concerns/question you may have. To document these meetings, please get a signature each semester you are enrolled.**

Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester #1 \_\_\_\_\_\_\_\_

Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester #2 \_\_\_\_\_\_\_\_

Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester #3 \_\_\_\_\_\_\_\_

Academic Advisor \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Semester #4 \_\_\_\_\_\_\_\_

Comments/Amendments/Notes

Use this area to document any other amendments or changes to the above study plan. You can use this space to note courses taken beyond the credit hours required, to note leaves you may take (e.g., internships during enrollment), course requirements that may have been waived or other special circumstances that should become part of your record.

DATE COMMENT/AMENDMENT/NOTE

**Track Courses: 2 Science (6 cr.) and 2 Management courses (Cr. 6) in a single track are required.**

|  |  |
| --- | --- |
| ***Track*** | ***Requirements*** |
| ***Marine Science*** | **Pick two science courses:**MAST602 Physical Oceanography MAST609 The Ocean and Climate Change MAST621 Coastal Field Biology MAST627 Biological Oceanography MAST637 Geological Oceanography MAST646 Chemical Oceanography**Pick two management courses:**MAST614/GEOG 614/SPPA 614 Environmental Justice in DisastersMAST628 Offshore Wind PowerMAST662 Climate Change: Policy, Equity and Mitigation MAST674 Legal Aspects of the Coastal ZoneMAST 676 Environmental Economics |
| ***Climate Science*** | **Pick two science courses:**MAST609 The Ocean and Climate Change GEOG612 Physical Climatology GEOG657 Climate DynamicsGEOG658 Paleoclimatology**Pick two management courses:**ENEP626 Climate Change: Science, Policies & Political Economy GEOG616 Climate Fiction, Science and Communication GEOG619 Climate Change AdaptationMAST639 Renewable Energy and Climate: Law, Regulation, and Environment MAST662 Climate Change: Policy, Equity and Mitigation  MAST688 Climate Change Economics |
| ***Earth Resources*** | **Pick two science courses:**GEOL612 (1 credit) Geology of Strategic Mineral Deposits and GEOL613 (2 credits) Analytics of Minerals for Risk ManagementGEOL621 Environmental and Applied Geology GEOL628 HydrogeologyGEOG632 Environmental Hydrology PLSC640 Field Methods in Soil-Water-Air PLSC621 Nonpoint Source Pollution**Pick two management courses:**MAST 676 Environmental EconomicsGEOG 622 Resources Development and the Environment UAPP 611 Regional Watershed ManagementAPEC 820 Experimental Economics GEOG655 (1 credit) Certification Systems for Sustainable Development and GEOG669 (2 credits) Minerals and Ecological Economics |