

APPROVED
University Registrar

College of Natural Resources and Environment
Department of Forest Resources and Environmental Conservation
Minor: Blue Planet

For student date of entry under UG Catalog 2023-2024

20 Total Credit Hours Required for Minor

REQUIRED FOUNDATIONAL COURSE

_____ GEOG/WATR 2004 Water, Environment, and Society (3 credits; Pathways Outcome 3)

SPECIALIZATION OPTIONS:

Choose **one** specialization (Water and Society **or** Science of Water) (9 credits)

Water and Society Specialization

_____ AAEC 1005 Economics of the Food and Fiber System (3 credits; Pathways Outcome 3)

or _____ ECON 2005 Principles of Economics (3 credits; Pathways Outcome 3)

_____ FREC/WATR/AAEC 4464 Water Resources Policy & Economics* (3 credits; Pathways Outcome 3 and 7)

_____ FREC/LAR/NR 2554 Leadership for Global Sustainability (3 credits; Pathways Outcome 2 or 3)

or _____ HIST 3144 American Environmental History (3 credits; Pathways Outcome 2 or 3)

or

Science of Water Specialization:

_____ FREC/WATR 3104 Principles of Watershed Hydrology* (3 credits)

_____ MATH 1025 Elementary Calculus (3 credits; Pathways Outcome 5f)

or _____ MATH 1225 Calculus of a Single Variable* (4 credits; Pathways Outcome 5f)

_____ MATH 1026 Elementary Calculus* (3 credits; Pathways Outcome 5f)

or _____ MATH 1226 Calculus of a Single Variable* (4 credits; Pathways Outcome 5f)

REQUIRED NATURAL SCIENCES RESTRICTED ELECTIVE

Choose 3 credits from the following list:

_____ ENSC 1015 Foundations of Environmental Science (3 credits; Pathways Outcome 4)

_____ ENSC 1016 Foundations of Environmental Science (3 credits; Pathways Outcome 4)

_____ FREC 2004 Forest Ecosystems (3 credits; Pathways Outcome 4)

_____ FREC 2114 Ecology of Appalachian Forests (3 credits; Pathways Outcome 4)

_____ GEOS 1024 Earth Resources, Society, and Environment (3 credits; Pathways Outcome 4)

_____ GEOS 1064 Climate History: Past, Present, and Future (3 credits; Pathways Outcome 4)

_____ LAR 1254 Environment and Natural Systems (3 credits; Pathways Outcome 4 or 5f)

REQUIRED RESTRICTED ELECTIVE

Choose 3 credits from the following list:

_____ AAEC 3314 Environmental Law (3 credits)

_____ BSE 4394 Water Supply and Sanitation in Developing Countries* (3 credits)

_____ ENGL 3534 Literature and the Environment* (3 credits; Pathways Outcome 1a or 2)

_____ FIW 2114 Principles of Fish and Wildlife Conservation (3 credits; Pathways Outcome 4)

_____ FREC 3044 Environmental Data Science* (3 credits; Pathways Outcome 5a)

_____ FREC/IS/PSCI 4174 Climate Change and the International Policy Framework* (3 credits; Pathways Outcome 1a or 3)

_____ FREC 4354 Forest Soil and Watershed Management* (3 credits; Pathways Outcome 5a)

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GEOG 2114 Introduction to Coastal Regions (3 credits)
GEOG 3104 Environmental Problems, Population, and Development (3 credits; Pathways Outcome 3)
GEOG/GEOS 4134 Interdisciplinary Issues and Ethics in Water Resources (3 credits)
GEOG/NR 1115 Seeking Sustainability (3 credits; Pathways Outcome 3)
GEOS 3034 Oceanography (3 credits)
UAP 4374 Land Use and Environment: Planning and Policy (3 credits)

REQUIRED CAPSTONE COURSE

ALS/WATR 4614 Watershed Assessment, Management, and Policy* (2 credits)

Notes:

1. Courses marked with * may have prerequisites, corequisites, or other restrictions. Please consult the University Course Catalog, or check with your advisor.
2. All courses for the Blue Planet minor must be taken A-F and be completed with a minimum in-minor GPA average of 2.0. Any course taken to fulfill the Blue Planet minor will count towards the minor GPA.
3. No more than 50% of the graded course credits required for the Blue Planet minor may be double-counted by a student in the Water: Resources, Policy, and Management major.
4. A minimum of 6 hours of 3000/4000 level courses are required for the minor.

Key to Pathways Learning Core Outcomes:

1f = Foundational Discourse

1a = Advanced/Applied Discourse

2 = Critical Thinking in the Humanities

3 = Reasoning in the Social Sciences

4 = Reasoning in the Natural Sciences

5f = Foundational Quantitative and Computational Thinking

5a = Advanced/Applied Quantitative and Computational Thinking

6 = Critique and Practice in Design and the Arts

7 = Critical Analysis of Equity and Identity in the United States