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

For students graduating in calendar year 2023 and for student date of entry under UG Catalog 2021-2022

20 Total Credit Hours Required for Minor

REQUIRED FOUNDBATIONAL 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) (12 credits)

Water and Society Specialization

____ AAEC 1005 Economics of the Food and Fiber System (3 credits; Pathways Outcome 3)
____ FREC/WATR/AAEC 4464 Water Resources Policy & Economics* (3 credits; Pathways Outcome 3 and 7)

____ Choose 3 credits from the following list:
   FREC/LAR/NR 2554 Leadership for Global Sustainability (3 credits; Pathways Outcome 2 or 3)
   HIST 3144 American Environmental History (3 credits; Pathways Outcome 2 or 3)

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

or

Science of Water Specialization:

____ FREC/WATR 3104 Principles of Watershed Hydrology* (3 credits)
____ MATH 1025 Elementary Calculus (3 credits; Pathways Outcome 5f)
____ MATH 1026 Elementary Calculus (3 credits; Pathways Outcome 5f)

____ 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 the Environment (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)
   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 Informatics* (3 credits; Pathways Outcome 5a)
FREC 3604 Climate Science* (3 credits)
FREC 4354 Forest Soil and Watershed Management* (3 credits; Pathways Outcome 5a)
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)

_____ A minimum of 6 hours of 3000/4000 level courses are required for the minor

**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 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.

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