

**College of Natural Resources and Environment**  
**Department of Forest Resources and Environmental Conservation**  
**Minor: Blue Planet**  
**For students graduating in calendar year 2021**

20 Total Credit Hours Required for Minor

**Required Foundational Course**

Course	Credit Hours	Pathways Outcomes
___ GEOG/NR 2004 Water, Environment, and Society	3	3

**Specialization Options**

Choose one specialization (Water and Society or Science of Water) (12 credits)

- Water and Society Specialization (12 credits)

Course	Credit Hours	Pathways Outcomes
___ AAEC 1005 Economics of the Food and Fiber System	3	3
___ FREC/AAEC 4464 Water Resources Policy & Economics (Pre: AAEC 1005 or ECON 2005)	3	-
___ FREC/LAR 2554 Leadership for Global Sustainability (3) <u>or</u> HIST 3144 American Environmental History (3)	Choose one 3-credit course	2 <u>or</u> 3
___ ENSC 1015 Foundations of Environmental Science (3), ENSC 1016 Foundations of Environmental Science (3), FREC 2004 Forest Ecosystems (3), FREC 2114 Ecology of Appalachian Forests (3), GEOS 1024 Earth Resources, Society, and the Environment (3), <u>or</u> LAR 1254 Environment and Natural Systems (3)	Choose one 3-credit course	4 (all) <u>or</u> 5f (LAR 1254 only)

**or**

• Science of Water Specialization

Course	Credit Hours	Pathways Outcome
___ MATH 1025 Elementary Calculus	3	5f
___ MATH 1026 Elementary Calculus	3	5f
___ FREC 3104 Principles of Watershed Hydrology (Pre: Junior Standing; Pre: MATH 1206 or MATH 1226 or MATH 2015 or MATH 1026)	3	-
___ ENSC 1015 Foundations of Environmental Science (3), ENSC 1016 Foundations of Environmental Science (3), FREC 2004 Forest Ecosystems, FREC 2114 Ecology of Appalachian Forests (3), GEOS 1024 Earth Resources, Society, and the Environment (3), <u>or</u> LAR 1254 Environment and Natural Systems (3)	Choose one 3-credit course	4 (all) <u>or</u> 5f (LAR 1254)

**Restricted Electives**

\_\_\_ Choose 3 credits.

Course	Credit Hours	Pathways Outcomes
AAEC 3314 Environmental Law	3	-
ENGL 3534 Literature and the Environment (Pre: ENGL 1106 or ENGL 1204H or COMM 1016. Writing Intensive)	3	1a <u>or</u> 2
FREC 3004 Environmental Informatics (Sophomore standing required.)	3	5a
FREC 3604 Climate Science (Pre: MATH 1026 or MATH 1206 or MATH 1226 or MATH 2015)	3	-
FREC 4354 Forest Soil and Watershed Management (Pre: CSES 3114 or ENSC 3114 or GEOS 3614 or CSES 3134 or ENSC 3134.)	3	-
GEOG 3104 Environmental Problems, Population, and Development	3	3
GEOG/NR 1115 Seeking Sustainability	3	3
GEOS 3034 Oceanography Pre: (MATH 1206 or MATH 1226) or (MATH 2015 or MATH 1026)	3	-
UAP 4374 Land Use and Environment: Planning and Policy (Pre: Junior standing)	3	-

## Required Capstone Course

Course	Credit Hours	Pathways Outcomes
___ALS/NR 4614 Watershed Assessment, Management, and Policy (Pre: Two 4000 level courses in environmental/natural resource science, management, engineering, and/or policy in BSE, CEE, FOR, FREC, GEOS, LAR, CSES, ENT, BIOL, GEOG, AAEC, UAP or equivalent.)	2	-

\_\_\_ 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

### Notes:

1. All courses for the Blue Planet minor must be taken A/F and be completed with a minimum GPA of 2.0. Any course taken to fulfill the Blue Planet minor will count towards the minor GPA.
2. 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.
3. Some courses listed on this checksheet have prerequisites. Please consult the University Course Catalog, or check with your advisor.