

## Aquatic Ecosystems and Water, Climate, Energy, and Global Issues

Created using 2021 checklist guidelines

Updated March 18, 2021

### FIRST YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
GEOG/NR/WATR 2004	Water, Environment, and Society	3	Core
ENGL 1105	First Year Writing	3	CLE Area 1
MATH 1025	Elementary Calculus	3	CLE Area 5
CHEM 1035	General Chemistry	3	CLE Area 4
CHEM 1045	General Chemistry Lab	1	CLE Area 4
BIOL 1105	Principles of Biology	3	Restricted Elective *

16

### FIRST YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ENGL 1106	First Year Writing	3	CLE Area 1
MATH 1026	Elementary Calculus	3	CLE Area 5
BIOL 1106	Principles of Biology	3	CLE Area 4
BIOL 1116	Principles of Biology Lab	1	CLE Area 4
Restricted Elective	Restricted Elective	3	Restricted Elective
CLE Area 2	CLE Area 2	3	CLE Area 2

16

### SECOND YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
AAEC 1005	Economics of the Food and Fiber System	3	CLE Area 3 *
PHYS 2205	General Physics	3	Core
PHYS 2215	General Physics Lab	1	Core
GEOG 2084	Principles of Geographic Information Systems	3	Major
FREC/SBIO 2784	Global Forest Sustainability	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
BIOL 2804	Ecology	3	Restricted Elective *

16

### SECOND YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
AAEC 1006	Economics of the Food and Fiber System	3	CLE Area 3
FREC 2124	Forests, Society, & Climate	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
Restricted Elective	Restricted Elective	3	Restricted Elective
Free Elective	Free Elective	3	Free Elective
CLE Area 7	CLE Area 7	3	CLE Area 7

15

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### THIRD YEAR FALL SEMESTER

Class Number	Class Name	Hours	Requirement
ENSC 3604	Fundamentals of Environmental Science	3	Core *
UAP 3354	Intro to Environmental Policy and Planning	3	Core
ENGL 3534	Literature and Ecology	3	Major
CLE Area 2	CLE Area 2	3	CLE Area 2
Free Elective	Free Elective	3	Free Elective

15

### THIRD YEAR SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
FREC/WATR 3104	Principles of Watershed Hydrology	3	Core
AAEC 3314	Environmental Law	3	Major
CSES/ENSC 3134	Soils in the Landscape	3	Restricted Elective *
FREC 3604	Climate Science	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
Free Elective	Free Elective	3	Free Elective

15

### FOURTH YEAR FALL SEMESTER

Class Number	Class Name	Hours	Requirement
FREC/WATR 3754	Watersheds and Water Quality Monitoring	3	Core
FREC/AAEC/WATR 4464	Water Resources Policy & Economics	3	Core
BIOL 4004	Freshwater Ecology	4	Water Science Specialization (Aquatic Ecosystems)
FREC 4374	Forested Wetlands	3	Water Science Specialization (Aquatic Ecosystems)
FREC 4354	Forest Soil and Watershed Management	3	Water Science Specialization (Other)

16

### FOURTH YEAR SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ALS/NR/WATR 4614	Watershed Assessment, Management, and Policy	2	Core
FIW 4614	Fish Ecology	3	Water Science Specialization (Aquatic Ecosystems)
AAEC 3324	Environmental Law	3	Water Policy Specialization (Other)
Free Elective	Free Elective	3	Free Elective
CLE Area 6	CLE Area 6	1	CLE Area 6

12

**121 Hours**

\* Classes noted with \* are prerequisites as follows:

BIOL 1105 is a prerequisite for BIOL 2804

AAEC 1005 is a prerequisite for AAEC 3324 and FREC/AAEC/WATR 4464

BIOL 2804 is a prerequisite for BIOL 4004

ENSC 3604 is a prerequisite for FREC 3754

CSES/ENSC 3134 is a prerequisite for FREC 4374 and FREC 4354