

## Hydrology & Water, Climate, Energy, and Global Issues

Created using 2020 checklist guidelines

Updated Sept 17, 2018

### FIRST YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
GEOG/NR 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
CLE Area 6	CLE Area 6	1	CLE Area 6

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### 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
GEOS 1004	Earth Science: Our Past, Present, and Future	3	Restricted Elective *
CHEM 1036	General Chemistry	3	Restricted Elective *

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### 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
CLE Area 2	CLE Area 2	3	CLE Area 2
CSES/ENSC/GEOS 3314	Soils	3	Restricted Elective *
CSES/ENSC/GEOS 3324	Soils Lab	1	Restricted Elective *

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### 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)
CLE Area 2	CLE Area 2	3	CLE Area 2
Restricted Elective	Restricted Elective	3	Restricted Elective
Free Elective	Free Elective	3	Free Elective

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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	Major
ENGL 3534	Literature and Ecology	3	Major
GEOS 3014	Environmental Geosciences	3	Water Science Specialization (Hydrology)
FREC/SBIO 2784	Global Forest Sustainability	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)

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### THIRD YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
FREC 3104	Principles of Watershed Hydrology	3	Core
AAEC 3314	Environmental Law	3	Major
CSES/ENSC 3614	Soil Physical & Hydrological Properties	3	Water Science Specialization (Hydrology)
GEOG 4134	Water, Hazards, & Development	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
Free Elective	Free Elective	3	Free Elective

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### FOURTH YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
FREC 3754	Watersheds and Water Quality Monitoring	3	Core
FREC/AAEC 4464	Water Resources Policy & Economics	3	Core
FREC 4354	Forest Soil and Watershed Management	3	Water Science Specialization (Hydrology)
Restricted Elective	Restricted Elective	3	Restricted Elective
CLE Area 7	CLE Area 7	3	CLE Area 7

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### FOURTH YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ALS/NR 4614	Watershed Assessment, Management, and Policy	2	Core
FIW 4614	Fish Ecology	3	Water Science Specialization (Other)
GEOG 3104	Environmental Geosciences	3	Water Science Specialization (Hydrology)
Restricted Elective	Restricted Elective	3	Restricted Elective
Free Elective	Free Elective	3	Free Elective

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**121 Hours**

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

GEOS 1004 is a prerequisite for GEOS 3014

CHEM 1036 is a prerequisite for CSES 3114

CSES 3114 and 3124 are prerequisites for CSES/ENSC 3614 and FREC 4354

AAEC 1005 is a prerequisite for FREC/AAEC 4464

ENSC 3604 is a prerequisite for FREC 3754