

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

Created using 2018 checksheet guidelines

Updated October 11, 2017

### FIRST YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
ENGL 1105	First Year Writing	4	CLE Area 1
MATH 1225	Calculus of a Single Variable	3	CLE Area 5 *
CHEM 1035	General Chemistry	3	CLE Area 4
CHEM 1045	General Chemistry Lab	1	CLE Area 4
Free Elective	Free Elective	3	Free Elective
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 1226	Calculus of a Single Variable	4	CLE Area 5 *
BIOL 1106	Principles of Biology	3	CLE Area 4
BIOL 1116	Principles of Biology Lab	1	CLE Area 4
CHEM 1036	General Chemistry	3	Restricted Elective *
CLE Area 2	CLE Area 2	3	CLE Area 2

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### SECOND YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
GEOG/NR 2004	Intro to Water Resources and Environmental Issues	3	Core
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	Core
Restricted Elective	Restricted Elective	3	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
CLE Area 2	CLE Area 2	3	CLE Area 2
CLE Area 7	CLE Area 7	3	CLE Area 7
FOR 2124	Forest, Society, & Climate	3	Specialization (Water, Climate, etc.)
PHYS 2206	General Physics	3	Restricted 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	Core
FOR 4374	Forested Wetlands	3	Specialization Elective (Hydrology)
FOR 2784	Global Forest Sustainability	3	Specialization (Water, Climate, etc.)
CSES 3114	Soils	3	Restricted Elective *
CSES 3124	Soils Lab	1	Restricted Elective *

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### THIRD YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
FOR 3104	Principles of Watershed Hydrology	3	Core
AAEC 3324	Environmental and Sustainable Development Economics	3	Core
AAEC 3314	Environmental Law	3	Core
ENGL 3764	Technical Writing	3	Core
Restricted Elective	Restricted Elective	3	Restricted Elective

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### FOURTH YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
FOR 4354	Forest Soil and Watershed Management	3	Specialization (Hydrology)
GEOS 4804	Groundwater Hydrology	3	Specialization (Hydrology)
FOR 4464	Water Resources Policy and Economics	3	Specialization Elective (Water, Climate, etc.)
Restricted Elective	Restricted Elective	3	Restricted Elective
Free Elective	Free Elective	3	Free Elective

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### FOURTH YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ALS/NR 4614	Watershed Assessment, Management, and Policy	2	Core
ENSC 4314	Water Quality	3	Core
GEOG 3104	Environmental Problems and Population Development	3	Specialization (Water, Climate, etc.)
CSES 3614	Soil Physical and Hydrological Properties	3	Specialization (Hydrology)
Free Elective	Free Elective	3	Free Elective

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**123 Hours**

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

MATH 1225 and 1226 are prerequisites for GEOS 4804

CHEM 1036 is a prerequisite for CSES 3114

AAEC 1005 is a prerequisite for AAEC 3324 and FOR 4464

CSES 3114 and 3124 are prerequisites for CSES 3614, FOR 4354, and FOR 4374

\*\* 6 credits of physics are a requirement for federal entry-level hydrology jobs.