

## Hydrology and Water Planning, Policy, and Economics

Created using 2021 checksheet guidelines

Updated Oct 26, 2020

### 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 1225	Calculus of a Single Variable	4	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 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
GEOS 1004	Earth Science: Our Past, Present, and Future	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
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
FREC 2124	Forests, Society, & Climate	3	Water Policy Specialization (Other)
PHYS 2206	General Physics	3	Restricted Elective **
CLE Area 7	CLE Area 7	3	CLE Area 7
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	Core
ENGL 3534	Literature and Ecology	3	Major
Restricted Elective	Restricted Elective	3	Restricted Elective
Free Elective	Free Elective	3	Free Elective

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### 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 *
GEOS 3014	Environmental Geosciences	3	Water Science Specialization (Hydrology)
AAEC 3324	Environment and Sustainable Development Economics	3	Water Policy Specialization (Water Planning, Policy, and Economics)

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### 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
FREC 4354	Forest Soil and Watershed Management	3	Water Science Specialization (Hydrology)
FREC 4374	Forested Wetlands	3	Water Science Specialization (Other)
FREC/NR	Natural Resource Economics	3	Water Policy Specialization (Water Planning, Policy, and Economics)

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### FOURTH YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ALS/NR/WATR 4614	Watershed Assessment, Management, and Policy	2	Core
CEE 4344	Water Resources Planning	3	Water Policy Specialization (Water Planning, Policy, and Economics)
GEOS 4804	Groundwater Hydrology	3	Water Science Specialization (Hydrology)
CLE Area 2	CLE Area 2	3	CLE Area 2
Free Elective	Free Elective	3	Free Elective
Free Elective	Free Elective	3	Free Elective

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**122 Hours**

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

MATH 1226 is a prerequisite for GEOS 4804

GEOS 1004 is a prerequisite for GEOS 3014

AAEC 1005 is a prerequisite for AAEC 3324 and FREC/AAEC/WATR 4464 and FREC/NR 4014

ENSC 3604 is a prerequisite for FREC 3754

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

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