

Hydrology and Water, Climate, Energy, and Global Issues

Created using 2021 checksheet 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 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

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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 *
CLE Area 6	CLE Area 6	1	CLE Area 6

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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
FREC/SBIO 2784	Global Forest Sustainability	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
CLE Area 2	CLE Area 2	3	CLE Area 3

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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
PHYS 2206	General Physics	3	Restricted Elective **
FREC 2124	Forests, Society & Climate	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
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
CEE 3104	Introduction to Environmental Engineering	3	Water Science Specialization (Other)
CLE Area 2	CLE Area 2	3	CLE Area 2

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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/GEOG/GEOS 3304	Geomorphology	3	Water Science Specialization (Hydrology)
CSES/ENSC 3134	Soils in the Landscape	3	Restricted Elective *
FREC 3604	Climate Science	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)

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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)
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/WATR 4614	Watershed Assessment, Management, and Policy	2	Core
GEOS 4804	Groundwater Hydrology	3	Water Science Specialization (Hydrology)
AAEC 3324	Environment and Sustainable Development Economics	3	Water Policy Specialization (Other)
Restricted Elective	Restricted Elective	3	Restricted Elective
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 CEE 3104 and GEOS 4804

GEOS 1004 is a prerequisite for CSES/GEOG/GEOS 3304

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

ENSC 3604 is a prerequisite for FREC/WATR 3754

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