

Hydrology and Water, Climate, Energy, and Global Issues

Created using 2019 checklist guidelines

Updated March 15, 2018

FIRST YEAR

FALL SEMESTER

Class Number	Class Name	Hours	Requirement
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 2	CLE Area 2	3	CLE Area 2
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
FOR 2124	Forest, Society, and Climate	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
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
CEE 3104	Introduction to Environmental Engineering	3	Water Science Specialization (Other)
PSCI/UAP 3344	Global Environmental Issues: Interdisciplinary Perspectives	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
CSES/ENSC/GEOS 3314	Soils	3	Restricted Elective *
CSES/ENSC/GEOS 3324	Soils Lab	1	Restricted Elective *

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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	Core
AAEC 3324	Environmental and Sustainable Development Economics	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
FREC 4354	Forest Soil and Watershed Management	3	Water Science Specialization (Hydrology)
GEOS 4804	Groundwater Hydrology	3	Water Science Specialization (Hydrology)
FREC /AAEC 4464	Water Resources Policy & Economics	3	Water Policy Specialization (Other)
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/CSES 4314	Water Quality	3	Core
FREC 3604	Climate Science	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues)
CSES/ENSC 3614	Soil Physical & Hydrological Properties	3	Water Science 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/ENSC/GEOS 3114

AAEC 1005 is a prerequisite for FREC/AAEC 4464

CSES/ENSC/GEOS 3114 and 3124 are prerequisites for CSES/ENSC 3614

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