

Hydrology and International Water Management

Created using 2018 checksheet guidelines

Updated October 11, 2017

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
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
Free Elective	Free Elective	3	Free 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
PHYS 2206	General Physics	3	Restricted Elective **
CLE Area 2	CLE Area 2	3	CLE Area 2
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
ENGL 3764	Technical Writing	3	Core
UAP 3354	Intro to Environmental Policy and Planning	3	Core
CSES 3114	Soils	3	Restricted Elective *
CSES 3124	Soils Lab	1	Restricted Elective *
CEE 3104	Introduction to Environmental Engineering	3	Specialization Elective (Hydrology) *

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THIRD YEAR

SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
FOR 3104	Principles of Watershed Hydrology	3	Core
AAEC 3314	Environmental Law	3	Core
AAEC 3324	Environmental and Sustainable Development Economics	3	Core
PSCI/UAP 3344	Global Environmental Issues: Interdisciplinary Perspectives	3	Specialization (International Water Mgmt.) Substitution ***
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)
Restricted Elective	Restricted Elective	3	Restricted Elective
Restricted Elective	Restricted Elective	3	Restricted Elective
FOR/SBIO 2784	Global Forest Sustainability	3	Specialization Elective (International Water Management)

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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
BSE 4394	Water Supply and Sanitation in Developing Countries	3	Specialization (International Water Management)
IS 4014	Seminar in Grassroots Development	3	Specialization (International Water Management)
CSES 3614	Soil Physical and Hydrological Properties	3	Specialization (Hydrology)

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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
 CSES 3114 and 3124 are prerequisites for CSES 3614
 CEE 3104 is a prerequisite for BSE 4394

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

*** PSCI/UAP 3344 is a substitute for UAP/GEOG/SOC 4764, which has not been offered in the past few years