

## Aquatic Ecosystems 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 1025	Elementary Calculus	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
BIOL 1005	General Biology	3	Free Elective *

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### FIRST YEAR

#### SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ENGL 1106	First Year Writing	3	CLE Area 1
MATH 1026	Elementary Calculus	3	CLE Area 5
BIOL 1106	Principles of Biology	3	CLE Area 4
BIOL 1116	Principles of Biology Lab	1	CLE Area 4
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
BIOL 2804	Ecology	3	Restricted Elective *
CSES 3134	Soils in the Landscape	3	Restricted Elective *
CLE Area 2	CLE Area 2	3	CLE Area 2
CLE Area 6	CLE Area 6	1	CLE Area 6
CLE Area 7	CLE Area 7	3	CLE Area 7

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### THIRD YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
ENGL 3764	Technical Writing	3	Core
ENSC 3604	Fundamentals of Environmental Science	3	Core
UAP 3354	Intro to Environmental Policy and Planning	3	Core
PSCI/UAP 3344	Global Environmental Issues: Interdisciplinary Perspectives	3	Specialization (International Water Mgmt.) Substitution **
CEE 3104	Introduction to Environmental Engineering	3	Specialization Elective (Aquatic Ecosystems) *

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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
FOR 2124	Forestry, Society, & Climate	3	Specialization Elective (International Water Management)
IS 4014	Seminar in Grassroots Development	3	Specialization (International Water Management)

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### FOURTH YEAR

#### FALL SEMESTER

Class Number	Class Name	Hours	Requirement
FOR 4374	Forested Wetlands	3	Specialization (Aquatic Ecosystems)
BSE 4394	Water Supply and Sanitation in Developing Countries	3	Specialization (International Water Management)
Restricted Elective	Restricted Elective	3	Restricted Elective
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
FIW 4614	Fish Ecology	3	Specialization (Aquatic Ecosystems)
BIOL 4004	Freshwater Ecology	4	Specialization (Aquatic Ecosystems)
Restricted Elective	Restricted Elective	3	Restricted Elective

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

AAEC 1005 is a prerequisite for AAEC 3324

BIOL 1005 is a prerequisite for BIOL 2804

BIOL 2804 is a prerequisite for BIOL 4004

CSES 3134 is a prerequisite for FOR 3134

CEE 3104 is a prerequisite for BSE 4394

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