Water Quality and Water, Climate, Energy, and Global Issues

Created using checksheet for students graduating in calendar year 2022

Updated June 2, 2021

FIRST YEAR

FALL SEMESTER

Class Number	Class Name	Hours	Requirement
Pathways 1 Foundational Course (Select from University Approved List)		3	Pathways 1f
WATR 2004	Water, Environment, and Society	3	Core
MATH 1025	Elementary Calculus [1]	3	Pathways 5f
AAEC 1005	Economics of Food & Fiber [2] *	3	Pathways 3
Pathways Concept 2 Course (Select from University Approved List) [3]		3	Pathways 2

Total Credits 15

FIRST YEAR

SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
Pathways 1 Foundational Course (Select from University Approved List)		3	Pathways 1f
BIOL 1106	Principles of Biology	3	Pathways 4
BIOL 1116	Principles of Biology Lab	1	Major
MATH 1026	Elementary Calculus [4]	3	Pathways 5f
AAEC 1006	Economics of Food & Fiber [2]	3	Pathways 3
Pathways Concept 2 Course (Select from University Approved List) [3]		3	Pathways 2

Total Credits 16

SECOND YEAR

FALL SEMESTER

Class Number	Class Name	Hours	Requirement
CHEM 1035	General Chemistry	3	Pathways 4
CHEM 1045	General Chemistry Lab	1	Major
PHYS 2205	General Physics	3	Core
PHYS 2215	General Physics Lab	1	Major
GEOG 2084	Principles of Geographic Information Systems (Option for Major Requirement) [5]	3	Major
Pathways Concept 6 Course (Select from University Approved List) [6]		3	Pathways 6

Total Credits 14

SECOND YEAR

SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
FREC 2124	Forests, Society & Climate	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues) [5]
Pathways Concept 6 Course (Select from University Approved List) [6]		3	Pathways 6
Pathways Concept 7 (Select from University Approved List)		3	Pathways 7
Restricted Elective		3	Restricted Elective
Free Elective		3	Free Elective

Total Credits 15

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THIRD YEAR
FALL SEMESTER

Class Number	Class Name	Hours	Requirement
ENGL 3534	Literature and the Environment (Option for Pathway 1a)[5]	3	Pathways 1a
ENSC 3604	Fundamentals of Environmental Science *	3	Core
CEE 3104	Introduction to Environmental Engineering	3	Water Science Specialization (Water Quality) [5]
Restricted Elective		3	Restricted Elective
Free Elective		3	Free Elective

Total Credits 15

THIRD YEAR
SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
FREC/WATR 3104	Principles of Watershed Hydrology	3	Core
AAEC 3314	Environmental Law (Option for Major Requirement)[5]	3	Major
GEOG 3104	Environmental Problems, Population, & Development	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues) [5]
CSES/ENSC 3134	Soils in the Landscape *	3	Restricted Elected
Restricted Elective		3	Restricted Elective

Total Credits 15

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	PW5a[7] and Water Science Specialization (Water Quality)[5]
FREC 4374	Forested Wetlands	3	Water Science Specialization (Water Quality) [5]
Free Elective		3	Free Elective

Total Credits 15

FOURTH YEAR
SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ALS/NR/WATR 4614	Watershed Assessment, Management, and Policy	2	Core
GEOG/GEOS 4134	Interdisciplinary Issues and Ethics in Water Resources	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues) [5]
UAP/GEOG/WGS 4214	Gender, Environment, and International Development	3	Water Policy Specialization (Water, Climate, Energy, and Global Issues) [5]
ENSC/CSES 4314	Water Quality	3	Water Science Specialization (Water Quality) [5]
Free Elective		1	Free Elective
Restricted Elective		3	Restricted Elective

Total Credits 15

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120 Hours

[1] Students can choose MATH 1025 (3 credits) **or** MATH 1225 (4 credits)
[2] Students can choose AAEC 1005/1006 Economics of the Food & Fiber or ECON 2005/2006 Principles of Economics
[3] FREC 2254 or HIST 3144 are recommended Pathways 2 Courses for WRPM students
[4] Students can choose MATH 1026 (3 credits) **or** MATH 1226 (4 credits)
[5] Students can choose from approved list on checksheet
[6] FREC 4554 Creating the Ecological City is a recommended Pathways 6 Course for WRPM Students
[7] FREC 3004 or FREC 4354 are recommended Pathways 5a Courses for WRPM students

* Classes noted with * are prerequisites as follows:
AAEC 1005 is a prerequisite for WATR/FREC 4464
ENSC 3604 is a prerequisite for WATR/FREC 3754 and ENSC/CSES 4314
CSES/ENSC 3134 is a prerequisite for FREC 4354 and FREC 4374