

Water Quality and Water Planning, Policy, and Economics

Created using checksheet for students graduating in calendar year 2022

Updated June 23, 2020

FIRST YEAR

FALL SEMESTER

Class Number	Class Name	Hours	Requirement
Pathways 1 Foundational Course (Select from University Approved List)		3	Pathways 1f
CHEM 1035	General Chemistry *	3	Pathways 4
CHEM 1045	General Chemistry Lab	1	Major
MATH 1025	Elementary Calculus ¹	3	Pathways 5f
AAEC 1005	Economics of Food & Fiber ² *	3	Pathways 3
WATR 2004	Water, Environment, and Society	3	Core

Total Credits 16

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 ³	3	Pathways 5f
AAEC 1006	Economics of Food & Fiber ²	3	Pathways 3
Pathways Concept 2 Course (Select from University Approved List) ⁴		3	Pathways 2

Total Credits 16

SECOND YEAR

FALL SEMESTER

Class Number	Class Name	Hours	Requirement
Pathways Concept 2 Course (Select from University Approved List) ⁴		3	Pathways 2
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
FREC/SBIO 2784	Global Forest Sustainability	3	Water Policy Specialization (Other) ⁵
Restricted Elective		3	Restricted Elective

Total Credits 16

SECOND YEAR

SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
Restricted Elective		3	Restricted Elective
Restricted Elective		3	Restricted Elective
Free Elective		3	Free Elective
Pathways Concept 6 Course (Select from University Approved List) ⁶		3	Pathways 6
Pathways Concept 7 Course (Select from University Approved List)		3	Pathways 7

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
FREC/NR 4014	Natural Resources Economics	3	Water Policy Specialization (Water Planning, Policy, and Economics) ⁵
UAP 4374	Land Use & Environment: Planning & Policy	3	Water Policy Specialization (Water Planning, Policy, and Economics) ⁵
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
CSES/ENSC 3134	Soils in the Landscape *	3	Restricted Elective
AAEC 3324	Environment and Sustainable Development Economics	3	Water Policy Specialization (Water Planning, Policy, and Economics) ⁵
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
Pathways Concept 6 Course (Select from University Approved List) ⁶		3	Pathways 6

Total Credits 15

FOURTH YEAR

SPRING SEMESTER

Class Number	Class Name	Hours	Requirement
ALS/NR/WATR 4614	Watershed Assessment, Management, and Policy	2	Core
ENSC/CSES 4314	Water Quality	3	Water Science Specialization (Water Quality) ⁵
FREC 4784	Wetland Hydrology and Biogeochemistry	3	Water Science Specialization (Water Quality) ⁵
Free Elective		3	Free Elective
Free Elective		1	Free Elective

Total Credits 12

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 Students can choose MATH 1026 (3 credits) **or** MATH 1226 (4 credits)

⁴ FREC 2254 or HIST 3144 are recommended Pathways 2 Courses for WRPM students

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:

CHEM 1035, BIOL 1106, MATH 1026, and ENSC 3604 are prerequisites for ENSC/CSES 4314

AAEC 1005 is a prerequisite for AAEC 3324, WATR/FREC 4464, and FREC/NR 4014

ENSC 3604 is a prerequisite for WATR/FREC 3754 and ENSC/CSES 4341

CSES/ENSC 3134 is a prerequisite for FREC 4354 and FREC 4374