

Aquatic Ecosystems & Water, Climate, Energy, and Global Issues

Created using 2020 checklist guidelines

Updated Oct 18, 2019

FIRST YEAR

FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|--------------|---------------------------------|-------|-----------------------|
| GEOG/NR 2004 | Water, Environment, and Society | 3 | Core |
| 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 |
| BIOL 1105 | Principles of Biology | 3 | Restricted 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 |
| CLE Area 6 | CLE Area 6 | 1 | CLE Area 6 |

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SECOND YEAR

FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|----------------|----------------------------------------------|-------|-------------------------------------------------------------------------|
| 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 | Major |
| FREC/SBIO 2784 | Global Forest Sustainability | 3 | Water Policy Specialization (Water, Climate, Energy, and Global Issues) |
| CLE Area 2 | CLE Area 2 | 3 | CLE Area 2 |

16

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 * |
| CESES/ENSC 3134 | Soils in the Landscape | 3 | Restricted Elective * |
| FREC 2124 | Forests, Society & Climate | 3 | Water Policy Specialization (Water, Climate, Energy, and Global Issues) |
| CLE Area 7 | CLE Area 7 | 3 | CLE Area 7 |

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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 | Major |
| ENGL 3534 | Literature and Ecology | 3 | Major |
| FREC/AAEC 4464 | Water Resources Policy & Economics | 3 | Core |
| UAP 4374 | Land Use & Environment: Planning & Policy | 3 | Water Policy Specialization (Other) |

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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 | Major |
| GEOG 4134 | Water, Hazards, & Development | 3 | Water Policy Specialization (Water, Climate, Energy, and Global Issues) |
| Restricted Elective | Restricted Elective | 3 | Restricted Elective |
| Free Elective | Free Elective | 3 | Free Elective |

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FOURTH YEAR FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|---------------|-----------------------------------------|-------|---------------------------------------------------|
| FREC 3754 | Watersheds and Water Quality Monitoring | 3 | Core |
| FREC 4374 | Forested Wetlands | 3 | Water Science Specialization (Aquatic Ecosystems) |
| BIOL 4004 | Freshwater Ecology | 4 | Water Science Specialization (Aquatic Ecosystems) |
| FREC 4354 | Forest Soil and Watershed Management | 3 | Water Science Specialization (Other) |
| 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 |
| FIW 4614 | Fish Ecology | 3 | Water Science Specialization (Aquatic Ecosystems) |
| 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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121 Hours

* Classes noted with * are prerequisites as follows:

BIOL 1105 is a prerequisite for BIOL 2804

AAEC 1005 is a prerequisite for FREC/AAEC 4464

BIOL 2804 is a prerequisite for BIOL 4004

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

ENSC 3604 is a prerequisite for FREC 3754