

## Aquatic Ecosystems and Water Planning, Policy, and Economics

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      |
| BIOL 1005    | General Biology       | 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 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    |
| Free Elective | Free Elective             | 3     | Free 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         |
| CLE Area 7   | CLE Area 7  | 3     | CLE Area 7   |

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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 2704    | Evolutionary Biology                   | 3     | Restricted Elective * |
| BIOL 2804    | Ecology                                | 3     | Restricted Elective * |
| CLE Area 2   | CLE Area 2                             | 3     | CLE Area 2            |
| CSES 3134    | Soils in the Landscape                 | 3     | Restricted 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                               |
| FREC/SBIO 2784      | Global Forest Sustainability               | 3     | Specialization Elective (Planning) |
| Restricted Elective | Restricted Elective                        | 3     | Restricted Elective                |

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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                                |
| FIW 4614      | Fish Ecology  | 3     | Specialization (Aquatic Ecosystems) |
| Free Elective | Free Elective                                       | 3     | Free Elective                       |

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### FOURTH YEAR

#### FALL SEMESTER

| Class Number        | Class Name                            | Hours | Requirement                         |
|---------------------|---------------------------------------|-------|-------------------------------------|
| FOR 4374            | Forested Wetlands                     | 3     | Specialization (Aquatic Ecosystems) |
| FOR 4464            | Water Resources Policy and Economics  | 3     | Specialization (Planning)           |
| UAP 4384            | Pollution Control Planning and Policy | 3     | Specialization (Planning)           |
| BIOL 4004           | Freshwater Ecology                    | 4     | Specialization (Aquatic Ecosystems) |
| Restricted Elective | Restricted Elective                   | 3     | Restricted 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                                     |
| BIOL 4114           | Global Change Ecology                        | 3     | Specialization Elective (Aq. Ecosystems) |
| UAP 4184            | Community Involvement                        | 3     | Specialization (Planning)                |
| Restricted Elective | Restricted Elective                          | 3     | Restricted Elective                      |

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**121 Hours**

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

BIOL 1005 is a prerequisite for BIOL 2704 and 2804

AAEC 1005 is a prerequisite for AAEC 3324 and FOR 4464

BIOL 2704 is a prerequisite for BIOL 4114

BIOL 2804 is a prerequisite for BIOL 4004 and 4114

CSES 3134 is a prerequisite for FOR 4374