

Hydrology and Watershed Management

Created using 2018 checksheet guidelines

Updated October 11, 2017

FIRST YEAR

FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|---------------------|-------------------------------|-------|---------------------|
| MATH 1225 | Calculus of a Single Variable | 4 | CLE Area 5 * |
| ENGL 1105 | First Year Writing | 3 | CLE Area 1 |
| CHEM 1035 | General Chemistry | 3 | CLE Area 4 |
| CHEM 1045 | General Chemistry Lab | 1 | CLE Area 4 |
| Restricted Elective | Restricted Elective | 3 | Restricted Elective |
| CLE Area 6 | CLE Area 6 | 1 | CLE Area 6 |

15

FIRST YEAR

SPRING SEMESTER

| Class Number | Class Name | Hours | Requirement |
|--------------|-------------------------------|-------|-----------------------|
| MATH 1226 | Calculus of a Single Variable | 4 | CLE Area 5 * |
| BIOL 1106 | Principles of Biology | 3 | CLE Area 4 |
| BIOL 1116 | Principles of Biology Lab | 1 | CLE Area 4 |
| CHEM 1036 | General Chemistry | 3 | Restricted Elective * |
| ENGL 1106 | First Year Writing | 3 | CLE Area 1 |
| CLE Area 2 | CLE Area 2 | 3 | CLE Area 2 |

17

SECOND YEAR

FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|-----------------|---|-------|-----------------------|
| GEOG/NR 2004 | Intro to Water Resources and Environmental Issues | 3 | Core |
| GEOG 2084 | Principles of Geographic Information Systems | 3 | Core |
| PHYS 2205 | General Physics | 3 | Core |
| PHYS 2215 | General Physics Lab | 1 | Core |
| CSES 3114, 3124 | Soils and Soils Lab | 4 | Restricted Elective * |
| AAEC 1005 | Economics of the Food and Fiber System | 3 | CLE Area 3 * |

17

SECOND YEAR

SPRING SEMESTER

| Class Number | Class Name | Hours | Requirement |
|---------------------|--|-------|------------------------|
| PHYS 2206 | General Physics | 3 | Restricted Elective ** |
| AAEC 1006 | Economics of the Food and Fiber System | 3 | CLE Area 3 |
| CLE Area 2 | CLE Area 2 | 3 | CLE Area 2 |
| Restricted Elective | Restricted Elective | 3 | Restricted Elective |
| Free Elective | Free Elective | 3 | Free Elective |

15

Hydrology and Watershed Management

Created using 2018 checksheet guidelines

Updated October 11, 2017

THIRD YEAR

FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|--------------|---|-------|---------------------------------------|
| ENSC 3604 | Fundamentals of Environmental Science | 3 | Core |
| UAP 3354 | Introduction to Environmental Policy and Planning | 3 | Core |
| FOR 4374 | Forested Wetlands | 3 | Specialization (Watershed Management) |
| UAP 4374 | Land Use and Environment: Planning and Policy | 3 | Specialization (Watershed Management) |
| CLE Area 7 | CLE Area 7 | 3 | CLE Area 7 |

15

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 |
| GEOG 3104 | Environmental Problems and Population Development | 3 | Specialization Elective (Watershed Management) |
| Free Elective | Free Elective | 3 | Free Elective |

15

FOURTH YEAR

FALL SEMESTER

| Class Number | Class Name | Hours | Requirement |
|---------------|--------------------------------------|-------|---------------------------------------|
| ENGL 3764 | Technical Writing | 3 | Core |
| FOR 4354 | Forest Soil and Watershed Management | 3 | Specialization (Hydrology) |
| GEOS 4804 | Groundwater Hydrology | 3 | Specialization (Hydrology) |
| CEE 4264 | Sustainable Land Development | 3 | Specialization (Watershed Management) |
| Free Elective | Free Elective | 3 | Free Elective |

15

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 Elective (Hydrology) |
| CSES 3614 | Soil Physical and Hydrological Properties | 3 | Specialization (Hydrology) |
| Restricted Elective | Restricted Elective | 3 | Restricted Elective |

14

123 Hours

* Classes noted with * are prerequisites as follows:

MATH 1225 and 1226 are prerequisites for GEOS 4804

AAEC 1005 is a prerequisite for AAEC 3324

CHEM 1036 is a prerequisite for CSES 3114

CSES 3114 and 3124 are prerequisites for CSES 3614 and FOR 4354 and FOR 4374

** 6 credits of physics are a requirement for federal entry-level hydrology jobs.