

MS in Ecology with BA in Environment and Sustainability

| FALL OF YEAR ONE | | |
|------------------|----------------------------------|----|
| ENVS 100 | INTRO ENVS (ALSO GEN ED) | 3 |
| BIO 150 | BIOLOGICAL PRINCIPLES (WITH LAB) | 4 |
| ELECTIVES | ELECTIVES | 6 |
| HWTR 100 | FIRST YEAR SEMINAR | 1 |
| ENG 102 | ACADEMIC WRITING | 3 |
| Total Credits | | 17 |

| SPRING OF YEAR ONE | | |
|--------------------|---|----|
| ENVS 200 | WRITING THE ENV | 3 |
| PHYS 125 | ENERGY AND THE ENV (ALSO GEN ED) | 3 |
| GEN ED | OTHER GENERAL EDUCATION COURSES (Area I) | 6 |
| BIOL 151 | DIVERSITY AND PATTERNS OF LIFE (WITH LAB) | 4 |
| MATH 141 | PRE-CALCULUS | 3 |
| Total Credits | | 16 |

| FALL OF YEAR TWO | | |
|----------------------|--|----|
| ENVS 301 | SCIENCE OF SUSTAINABILITY AND RESILIENCE | 3 |
| CHEM | GENERAL CHEMISTRY 1 W/LAB | 4 |
| GEN ED | OTHER GENERAL EDUCATION COURSES | 6 |
| HWTR 398 OR HWTR 200 | HEADWATERS CONFERENCE, OR THIS IS THE HEADWATERS | 1 |
| Total Credits | | 14 |

| SPRING OF YEAR TWO | | |
|--------------------|----------------------------|----|
| ENVS 350 | US & WESTERN ENV POLICY | 3 |
| ECON 215 | ENV ECONOMICS | 3 |
| MATH 213 | PROBABILITY AND STATISTICS | 3 |
| BIOL 301 | GENERAL ECOLOGY | 3 |
| CHEM 113/1 | GENERAL CHEMISTRY II W/LAB | 4 |
| Total | | 16 |

| SUMMER BEFORE YEAR 3 | | |
|----------------------|--------------------|---|
| ENVS 499 | INTERNSHIP IN ENVS | 3 |
| Total Credits | | 3 |

| FALL OF YEAR THREE | | |
|----------------------|--|----|
| ENVS 390 | ENVIRONMENTAL MONITORING | 4 |
| GEOG 340 OR ENVS 370 | INTRO TO GIS OR WATER POLICY OR ELECTIVE | 3 |
| ENVS 410 | ENVIRONMENTAL ETHICS | 3 |
| GEN ED | OTHER GENERAL EDUCATION COURSES | 3 |
| ELECTIVES | ELECTIVES | 3 |
| Total | | 16 |

| SPRING OF YEAR THREE | | |
|----------------------|--|----|
| ENVS 360 | GLOBAL ENV POLICY OR ELECTIVE" to "GLOBAL ENV POLICY | 3 |
| ELECTIVES | ELECTIVES | 12 |
| Total Credits | | 15 |

| FALL OF YEAR FOUR | | |
|--------------------|---|----------------|
| BIOL 606 | Ecological Research Methods | 3 |
| <i>Two of:</i> | <i>Two of:</i> | <i>Two of:</i> |
| BIOL 620-689 or | Graduate electives in Ecology | 3-4 |
| ENVS 608 or | Environmental Politics and Policy | 3 |
| ENVS 611 or | Integrative Skills in Env Mngment | 3 |
| ENVS 623 or | Studies in Env Management | 3 |
| ENVS 625 | Studies in Integrative and Public Land Management | 3 |
| GEN ED | OTHER GENERAL EDUCATION COURSES | 3-6 |
| | | |
| | Total | 12-16 |

| SPRING OF YEAR FOUR | | |
|---------------------|---|-----------------|
| BIOL 613 | Advanced Ecological Analysis | 3 |
| <i>One of:</i> | <i>At least one of:</i> | <i>At least</i> |
| BIOL 620-689 or | Graduate electives in Ecology | 3-4 |
| ENVS 615 or | Science of Climate Mit & Adapt | 3 |
| ENVS 618 or | Public Lands Management | 3 |
| ENVS 623 or | Studies in Env Management | 3 |
| ENVS 625 | Studies in Integrative and Public Land Management | 3 |
| BIOL 690 | MASTERS PROJECT DEVELOPMENT | 3 |
| ENVS 400 | Applied Sustainability | 3 |
| | Total | 12-16 |

| SUMMER BEFORE YEAR FIVE | | |
|-------------------------|-----------------|---|
| BIOL 695 or 696 | Thesis Research | 3 |
| | Total Credits | 3 |

| FALL OF YEAR FIVE | | |
|--------------------------------|---|-----------------|
| <i>9 credits of</i> | <i>9 credits of the following:</i> | <i>9 cr of:</i> |
| BIOL 695 - Or - BIOL 696 | Ecology & Conservation Thesis Research Fisheries & Wildlife Thesis | 1-6 1-6 |
| AND | AND | |
| BIOL 620-689 or | Graduate electives in Ecology | 3-4 |
| ENVS 623 or | Studies in Integrative and Public Management | 3 |
| ENVS 625 | Studies in Environmental Management | 3 |
| | Total | 9 |

| SPRING OF YEAR FIVE | | |
|--------------------------------|---|-----------------|
| <i>9 credits of</i> | <i>9 credits of the following:</i> | <i>9 cr of:</i> |
| BIOL 695 - Or - BIOL 696 | Ecology & Conservation Thesis Research Fisheries & Wildlife Thesis | 1-6 1-6 |
| AND | AND | |
| BIOL 620-689 | Graduate electives in Ecology | 3-4 |
| ENVS 623 or | Studies in Integrative and Public Management | 3 |
| ENVS 625 | Studies in Environmental Management | 3 |
| | Total | 9 |

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