

*Inter-college program between
Colleges of Life Sciences & Agriculture and Engineering & Physical Sciences
 Offered by
Natural Resources and Earth Sciences
 University of New Hampshire*

Bachelor of Science in Environmental Sciences

Name: _____

Campus Phone: _____

Option: _____

Faculty Advisor: _____

Semester and Year Entered: _____

REQUIREMENTS

Completed

Introductory Environmental Sciences (3 courses)

- 1a. NR 400 Professional Perspectives in Natural Resources (Env. Sci. Section) _____
- 1b. NR 403 Introduction to Environmental Science _____
- 2. ONE of the following: _____
 - NR 502 Forest Ecosystems and Environmental Change (fall) _____
 - NR 504 Freshwater Resources (spring) _____
 - ENE 645 Fundamental Aspects of Environmental Engineering (spring, WI) _____
 - NR 415 Global Biological Change (spring) _____
 - ESCI 504 Intro. Climate _____
 - ESCI 501 Intro. Oceanography (fall and spring) _____
 - ESCI 405 Global Environmental Change (fall) _____
 - GEOG 473 Elements of Weather (fall and spring) _____

Foundation Courses (8 courses)

- 3. CHEM 403 General Chemistry I (fall) _____
- 4. CHEM 404 General Chemistry II (spring) _____
- 5. MATH 425 Calculus I (fall and spring) _____
- 6. MATH 426 Calculus II (fall and spring) _____
- 7. Geology course (ESCI 401, 402 or 409) _____
- 8. Statistics course (MATH 644 or BIOL 528) _____
- 9. PHYS 407 General Physics I (fall and spring) _____
- 10. Approved biology course _____
 - BIOL 411 Principles of Biology I _____
 - BIOL 412 Principles of Biology II _____
 - PBIO 412 Introductory Botany _____
 - ZOOL 412 Biology of Animals _____

Core Courses (5 courses)

Completed

- 11. ESCI 534 Techniques in Environmental Sciences (fall) _____
- 12. NR 658 Introduction to GIS (spring) _____
- 13. ESCI 654 Fate and Transport in the Environment (spring) _____
- 14. NR 602 Natural Resource and Environmental Policy (spring, WI) **OR** _____
 - NR 662 Environmental Policy, Planning and Sustainability in New Zealand _____
- 15. Capstone course (e.g., Senior Thesis; NR 799, Honors Senior Thesis fall/spring, WI) _____
 - OR** NR 663 Applied Directed Research NZ fall/spring, WI) _____

Revised - Fall 2008

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Soil & Watershed Management (8 courses) -

Completed

16. PHYS 408 General Physics II (fall and spring)

OR

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|--|-------|
| NR 527 Forest Ecology (fall) OR BIOL 541 General Ecology (fall/spring, WI) | _____ |
| 17. NR 501 Introduction to Soil Sciences (fall) | _____ |
| 18. NR 604 Watershed Hydrology | _____ |
| 19. NR 703 Watershed Water Quality Management (fall, WI) | _____ |
| 20. NR 706 Soil Ecology or NR 744 Biogeochemistry | _____ |
| 21. THREE approved electives | _____ |
| 1. _____ 2. _____ 3. _____ | |
| ESCI 512 Mineralogy (fall) | |
| ESCI 561 Landscape Evolution (fall) | |
| NR 621 Field Description of Soils (fall and spring) | |
| NR 660 Ecology and Biogeography of New Zealand (fall and spring) | |
| NR 661 Restoration Ecology and Ecosystem Management in New Zealand (fall and spring) | |
| NR 706 Soil Ecology (fall, WI) | |
| NR 711 Wetland Ecology and Management (fall, WI) | |
| NR 716 Wetland Delineation (summer only) | |
| NR 719 Wetlands Restoration and Mitigation (fall alternating even year) | |
| NR 721 Ecology of Polluted Waters (spring alternating odd year, WI) | |
| NR 732 Chemistry of Soils (not offered every year) | |
| NR 744 Biogeochemistry (spring alternating even year) | |
| MICR 714 Public Health and Waterborne Disease (spring) | |
| PBIO 717 Biology of Lakes (fall) | |
| PBIO 719 Field Studies in Lake Biology (fall, WI) | |
| ZOOL 708 Stream Ecology | |
| NR 7xx Aquatic Ecosystems | |

University General Education Requirements:

Completed

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|---|-------|
| 1. ENGL 401 (WI) | _____ |
| 2. One course in Quantitative Reasoning - Met with Math 425 | _____ |
| 3. Three courses in Biological Science, Physical Science or Technology, with no more than two courses in any one area – CHEM 403 (3P), any approved Biology Foundation Course (3B) and any Geology Foundation Course (3P) meet all 3 of these requirements | _____ |
| 4. One course in Historical perspectives | _____ |
| 5. One course in Foreign Culture | _____ |
| 6. One course in Fine Arts | _____ |
| 7. One course in Social Science | _____ |
| 8. One course in Works of Literature, Philosophy & Ideas | _____ |

In addition to ENGL 401, three additional writing intensive (WI) courses are required, with at least one being in the major and one being at the 600-level or above (this requirement can be fulfilled by courses taken to fulfill major and general education requirements).

1. _____ 2. _____ 3. _____