

MASTER OF SCIENCE IN ECOLOGY

Plan A Effective Fall 2024

| Code | Title | Credits |
|---|--|---------|
| COMMON CORE COURSES | | |
| ECOL 505 | Foundations of Ecology | 3 |
| ECOL 571 | Advanced Topics in Ecology | 1 |
| ECOL 592 | Interdisciplinary Seminar in Ecology | 1 |
| ECOLOGICAL SUBDISCIPLINES | | |
| Take a minimum of 3 credits not taken elsewhere in the program from courses in a subdiscipline of ecology. Students are encouraged to explore options across departments. Example courses offered by Ecology include the following: | | 3 |
| ECOL 600 | Community Ecology | |
| ECOL 610 | Ecosystem Ecology | |
| ECOL 620 | Applications in Landscape Ecology | |
| ECOLOGICAL TOOLS | | |
| Take a minimum of 3 credits of any ecologically-relevant quantitative or qualitative course, as determined by student and committee. Students are encouraged to explore options across departments. Example courses include the following: | | 3 |
| ESS 575 | Models for Ecological Data | |
| FW 663 | Sampling & Analysis Vertebrate Populations | |
| FW 673/STAT 673 | Hierarchical Modeling in Ecology | |
| GR 503/NR 503 | Remote Sensing and Image Analysis | |
| NR 505 | Concepts in GIS | |
| NR 512 | Spatial Statistical Modeling-Natural Resources | |
| NR 523/STAT 523 | Quantitative Spatial Analysis | |
| SOC 610 | Seminar in Methods of Qualitative Analysis | |
| STAR 511 | Design and Data Analysis for Researchers I | |
| STAR 512 | Design and Data Analysis for Researchers II | |
| PROFESSIONAL SKILLS | | |
| Take a minimum of 1 credit of a course (or workshop such as through TILT or the Graduate School combined with a credit of Independent Study (ECOL 695) that will enhance the student's professional development and/or skills based on professional goals, as determined by student and committee. Students are encouraged to explore options across departments and programs. Example courses include the following: | | 1 |
| BZ 560 | Teaching and Communicating Science | |
| ECOL 693 | Research Seminar | |
| ECOL 695 | Independent Study | |
| GRAD 544 | Ethical Conduct of Research | |
| THESIS | | |
| Take a minimum of 1 credit. | | 1 |
| ECOL 699 | Thesis | |
| ELECTIVES | | |
| | | 17 |

Additional relevant coursework and credits as determined by student and committee to meet the minimum Graduate School Credit Requirements of 15 credits "Regular" coursework and 30 credits total. Students are encouraged to explore options across departments and programs.

Program Total Credits: 30

A minimum of 30 credits are required to complete this program.