AGRICULTURAL SCIENCES (M.S.)

https://colsa.unh.edu/agriculture-nutrition-food-systems/program/ms/agricultural-sciences

Description

The Master of Science (M.S.) in Agricultural Sciences graduate program offered by the Department of Agriculture, Nutrition, and Food Systems (ANFS) is intended for students interested in careers in plant and animal agriculture, aquaculture, food production and distribution systems, and/or related fields.

Emphasis is placed on acquiring basic and practical knowledge and research experience in one or more of the diverse components of plant and animal agricultural systems including: breeding and genetics, physiology, environmental interactions, organismal health, agroecology, cultural systems, including field based, hydroponics, and aquaculture, as well as post-harvest practices. The agricultural sciences graduate programs prepare students to become highly knowledgeable and competent in professional fields related to agriculture, and leaders in collaborative and interdisciplinary efforts to address local, regional, national and/or global agricultural issues.

With a M.S. in Agricultural Sciences, students may pursue careers in plant and animal agriculture, aquaculture, food production and distribution systems, teaching, public service, research in federal, state, and private organizations, and/or related fields.

The M.S. program is thesis-based, with the expectation of providing substantial research experience and the opportunity to publish new knowledge in the field of interest.

Requirements

Master of Science (M.S.) in Agriculture Sciences students plan a program of study in conjunction with their advisor and Master’s Thesis Committee, including the required courses and competencies. Completion of at least 30 credits, including research credits, is required. A thesis proposal is developed within the first year. Students complete thesis research for 6-10 credits (ANFS 899 Master’s Thesis) and the degree is completed when results are acceptable, a formal thesis presentation and defense has occurred, and the thesis is approved by the Master’s Thesis Committee and accepted by the Graduate School.

Up to 8 credits of graduate credit from another institution may be transferred, provided the credits were not counted toward another degree, and the course grade was a B or higher. Petitions requesting transfer credit must be supported by the advisor and graduate committee, and approved by the UNH Graduate School.

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<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>ANFS 901</td>
<td>Introduction to Agriculture, Nutrition, and Food Systems Graduate Studies</td>
<td>1</td>
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<tr>
<td>ANFS 997</td>
<td>Agriculture, Nutrition, and Food Systems Seminar</td>
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Competency Requirements

In addition, students will be expected to demonstrate competency in areas of experimental design and analysis, and in scientific writing and communication. Supportive course offerings include:

- BIOL 811 Experimental Design & Analysis 4
- BIOL 902 Writing and Publishing Science 2
- BIOL 933 4

1 To be taken at the earliest opportunity, typically in the initial fall semester of the graduate program.
2 1 cr per semester, to be taken at least twice by M.S. students.
3 Depending on the prior background of incoming students, one or both of these competency requirements may have been fulfilled through previous graduate or other course work or professional experience.

Each student, in consultation with their graduate committee, will define one or more areas of informal specialization, and will take additional courses appropriate for their area(s) of specialization.

Additional Information/Requirements

All students in the Agricultural Sciences Graduate Programs are expected to present their research in public seminars (including the UNH Graduate Research Conference), and acquire teaching and/or mentoring experience.