



## Program of Study (POS) for Master of Science

Review curriculum below and use fillable form on next page.

### 1. Required Core Courses

| Course Number                          | Course Title   | Credit Hours | Semester Offered      |
|--|--|--------------|-----------------------|
| ALS 5155                               | Global Agroecosystems  | 3            | Fall                  |
| AGR 6933/SWS 6932<br>ABE 6931/NEM 6931 | Graduate Departmental - Agroecology Seminar                          | 1            | Any – Final Term      |
| ALS 6031<br>or AGG 5607                | Building Skills in Agrobiography <i>or</i> Communicating in Academia | 3            | Fall <i>or</i> Spring |
| STA 6093                               | Intro to Applied Statistics<br>(pre-req STA 2023)                    | 3            | Fall/Spring           |
| AGR/SWS/AOM/ENY/NEM<br>6905            | <b>Non-thesis students only:</b> Special Topics                      | 2            | Any – Final Term      |
| AGR/SWS/AOM/ENY/NEM<br>6971            | <b>Thesis students only:</b> Master's Research                       | Up to 6      | Any                   |

### 2. And select **two** of the following (one must correspond to your major)

|                                |  |          |                             |
|--------------------------------|--|----------|-----------------------------|
| AGR 5511                       | Crop Ecology   | 3        | Fall                        |
| SWS 5050                       | Soils Environmental Professionals                              | 3        | Fall or Spring              |
| AOM 6736                       | Principles and Issues in Environmental Hydrology               | 3        | Fall                        |
| ENY 5006/5006L<br>or NEM 5004C | Graduate Survey of Entomology<br>Graduate Survey of Nematology | 2+1<br>3 | Fall/Spring/Sum C<br>Spring |

### 3. and **one each from two** of the following groups (one must correspond to your major)

#### Group 1 – Agronomy Focus Area

|           |                              |   |        |
|-----------|------------------------------|---|--------|
| AGR 5444  | Ecophysiology of Crops       | 3 | Spring |
| AGR 6422C | Environmental Crop Nutrition | 3 | Fall   |

#### Group 2 – Soil and Water Focus Area

|          |                                   |   |        |
|----------|-----------------------------------|---|--------|
| SWS 5246 | Water Sustainability              | 3 | Spring |
| SWS 5208 | Sust. Agr & Urban Land Management | 3 | Fall   |

#### Group 3 – Engineering Focus Area

|           |   |   |        |
|-----------|---|---|--------|
| AOM 6735  | Irrigation Principles and Management                        | 3 | Fall   |
| ABE 6645C | Computer Simulation of Crop Growth and Management Responses | 3 | Summer |

#### Group 4 – Entomology Focus Area

|           |                                   |   |          |
|-----------|-----------------------------------|---|----------|
| ENY 5707C | Plant Nematology                  | 3 | Spring   |
| ENY 5236  | Insect Pest and Vector Management | 3 | Summer C |

### 4. Electives (as needed to reach the required number of credits – See plan of study for details)

