LEARNING OUTCOMES: BIOINFORMATICS: CROP SCIENCES, MS

Learning Outcomes for the Master of Science in Bioinformatics, Crop Sciences Concentration

Thesis

1. Students will be able to read, understand, knowledgeably discuss and summarize in writing the primary scientific literature of their particular disciplinary research area (bioinformatics and statistics, crop genetic improvement, crop production, plant protection, sustainable food systems, and water quality and environmental systems).
2. Students will assume responsibility and ownership in research project development and execution.
3. Students will acquire professional scientific writing and communication skills.
4. Students will develop the capacity to communicate and collaborate across interdisciplinary boundaries.
5. Students will develop the interpersonal skills to be competitive for career opportunities in plant sciences and agriculture.

Non-Thesis

1. Students will be able to read, understand, knowledgeably discuss and summarize in writing the primary scientific literature of their particular disciplinary research area (bioinformatics and statistics, crop genetic improvement, crop production, plant protection, sustainable food systems, and water quality and environmental systems).
2. Students will acquire professional scientific writing and communication skills.
3. Students will develop the capacity to communicate and collaborate across interdisciplinary boundaries.
4. Students will develop the interpersonal skills to be competitive for career opportunities in plant sciences and agriculture.