

ENTOMOLOGY

Learning Outcomes

Master of science (M.S.)

1. **KNOW:** Inspect and assimilate comprehensive knowledge of core principles and primary literature in their specialty area including methods, results, and data analysis.
2. **APPLY/CREATE:** Design and carry out a research project in the field of study, including synthesis of previous published work in the field, assembling findings into written work(s).
3. **THINK:** Critically analyze work by others in their specialty area.
4. **COMMUNICATE:** Convey scientific ideas and results in clear, concise and original writing as well as in formal oral presentations to audiences in their specialty area.
5. **PROFESSIONAL PRACTICE:** Exemplify comprehension of and commitment to ethical standards in the discipline through experimentation and professional interactions.

Doctor of Philosophy (Ph.D.)

1. **KNOW:** Integrate a deep knowledge of core principles and primary literature both in their specialty area and across the field, including comprehension of methods, results, and data analysis.
2. **APPLY/CREATE:** Design and carry out a major research project in the field, including synthesis of previous work in the field, and assembling new findings into a written work that advances understanding in the field.
3. **THINK:** Critically analyze work by others in their specialty area, and across the field.
4. **COMMUNICATE:** Convey scientific ideas, hypotheses, and results in clear, concise and original writing as well as in formal oral presentations to diverse audiences.
5. **PROFESSIONAL PRACTICE:** Express comprehension of and commitment to ethical standards in the discipline through professional interactions, teaching, and coursework.
6. **COMMUNICATE:** Transmit major concepts of the discipline to students and colleagues through teaching, outreach and/or professional presentations.