Expected Proficiencies for Entomology Students

**Students in Entomology are expected to develop and demonstrate creativity in research, teaching, and/or extension. We consider indicators of success when students ...**

- demonstrate intellectual engagement and become an established member of the research/teaching/extension community through participation in departmental seminars, journal clubs, scientific meetings, lab group meetings.

- develop the ability to assimilate information and knowledge from multiple sources to form hypotheses and questions by becoming familiar with the relevant literature and be able to discuss their research with peers and faculty.

- develop critical thinking skills, including the ability to identify and evaluate assumptions in an argument, analyze arguments, and formulate coherent opinions and place their own research into context.

- demonstrate the ability to write scientifically including research proposals, peer-reviewed papers and/or extension or outreach articles.

- conduct research by mastering appropriate research methodologies, analyzing and interpreting their own research findings.

**Students in Entomology are expected to communicate research findings orally and in writing. We expect students to...**

- develop oral communication skills, including the ability to present research and/or extension and/or outreach material in a way that is compelling and audience-appropriate. Beginning in the second year, students are expected to give a presentation in either JUGATAE or the January symposium at least every other year. In addition we expect all students to give annual talks (after their first year) in various settings such as journal clubs, regional, national or international meetings.

- develop written communication skills. We recommend students get involved in the writing of proposals, scientific publications in the primary literature and extension/outreach publication for the general public. Written communication may be both traditional and web-based.