

**Ph.D. Degree in Entomology**

FEB 17 2005  
*received*

**Short-term SLOs (assessed within the next 3 years)**

**Demonstrate:**

1. a knowledge of the four core areas of entomology – taxonomy, integrated pest management, physiology, and ecology **K**
2. the ability to conduct original research, including the analysis and interpretation of data **S**
3. in-depth knowledge in area of specialization **K**
4. the ability to write scientifically sound research proposals and manuscripts **K, S**

**Longer-term SLOs**

**Demonstrate:**

5. general knowledge of current issues and methods in science and technology and develop lifelong habits for maintaining this currency **K, S, A**
6. the ability to orally present scientific information and research ideas **S**
7. the ability to teach by developing and delivering materials **S**
8. develop critical thinking skills and the ability to apply the scientific method **S**
9. synthesize and transfer fundamental knowledge to achieve practical solutions **S**
10. practice ethical and professional behavior and demonstrate social responsibility **A**
11. work collaboratively and with individuals of diverse backgrounds **S, A**
12. exhibit safe practices in the laboratory and field to protect human and environmental welfare **S, A**

**Linkage with University-wide SLOs:**

K = Knowledge

S = Skills

A = Attitudes and Professional Conduct