

**Currently required of all students for ENTM PhD graduate degree as of Fall 2015:**

**Ethics** GRAD 61200 (1 credit)

**Statistics** (any graduate statistics class applies. BIOL 59500 Ecological Statistics is recommended, others take [STAT 50300 - Statistical Methods for Biology](#))

If no prior entomology course Insect biology: ENTM 60200 *Insect Biology*

**Summary**

Total Courses Required: 7 (8 if no prior experience in entomology) Potential credits: 15+  
Professional development activities required: 2 (documented in folder in grad office)

**Super-organismal (Pick 1)**

Pest Management ENTM 510000 *Insect Pest Management* or ENTM 521000 *Urban and Industrial Pest Management*

Evolution BIOL 58000 *Evolution* or BIOL 59200 *Evolution of Behavior*.

Molecular Genetics, Systematics, & Phylogeny ENTM 59500 *Systematics & Phylogenetic Methods*

Molecular Systematics ENTM 60300 *Insect Molecular Genetics, Systematics & Phylogeny*

**Organismal (Pick 1)**

Taxonomy ENTM 50600 *Advanced Insect Taxonomy*

Medical/veterinary ENTM 52500 *Medical and Veterinary Entomology*

Behavior ENTM 61500 *Advanced Insect Behavior*

**Cellular/subcellular (Pick 1)**

Physiology ENTM 55100 *Insect Physiology and Biochemistry*

Toxicology ENTM 61100 *Toxicology of Insecticides*

**Special Seminar 1 Credit Classes (PICK 2, at least one of these will be offered every semester) (Current list as of Spring 2014)**

	<u>Organismal</u>	<u>Suborganismal</u>	<u>Other</u>
<u>Spring 2014</u>			Writing A Proposal For Entm (1) (Dunn)
<u>Fall 14</u>	Chem. Ecol (Ginzel)		Exp. Design (Richmond)
<u>Spring 15</u>	Urban Ecol (Mason)		Insect Biomaterials (Neal)
<u>Fall 15</u>	Ins. Plt Int. (Kaplan) Myriapodology (Holland)	Beh. Genetics (Hunt)	
<u>Spring 16</u>	Tax, Phyl (Zaspel) GMO (Krupke)		
<u>Fall 16</u>			
<u>Spring 17</u>			Ins. Resist.: Mech., Evol., Mgmt (Scharf)

**Professional Development (Pick 1 from each of 2 categories):**

Presentation skills (seminar and teaching): Includes TA Lab Instruction, guest lectures, department seminars (ENTM and elsewhere) presentations at scientific meetings (ESA, Branch meetings, OVEA), CIE workshops on teaching; Research Communication (Grad 590); Extension Meeting/Workshop

Scientific Writing: Grant proposal development (may be part of preliminary exam), submission of a journal manuscript, review of a journal manuscript

GRAD 59000 Preparing Future Faculty or Preparing Future Professionals