



**COLLEGE OF AGRICULTURAL SCIENCES & NATURAL RESOURCES**  
**OKLAHOMA STATE UNIVERSITY**

Requirements for Students **Matriculating** in or before Academic Year 2013-2014

**BACHELOR of SCIENCE in AGRICULTURAL SCIENCES and NATURAL RESOURCES**

**MAJOR: Entomology      OPTION: Bioforensics, Pre-Veterinary & Pre-Medical Sciences**

**Minimum Overall Grade Point Average: 2.00**

**Total Hours: 120**

**(cumulative graduation/retention GPA)**

*Other GPA requirements see below.*

<b>GENERAL EDUCATION REQUIREMENTS: 42 HOURS</b>		
Area	Hours	To be selected from:
English Composition & Oral Communication	6	ENGL 1113 or 1313; & 1213 or 1413 (See Academic Regulation 3.5 in Catalog)
American History & Government	6	HIST 1103 or 1483 or 1493; POLS 1113
Analytical & Quantitative Thought (A)	6	MATH 1613* or higher; STAT 2013*
Humanities (H)	6	Any course designated (H)
Natural Sciences (N)	12	BIOL 1114*; CHEM 1314* (or 1215*); and BOT 1404 or ZOOL 1604
Social & Behavioral Sciences (S)	6	AGEC 1113*; SPCH 2713* or SOC 1113
Diversity (D)	--	Any course designated (D)
International Dimension (I)	--	Any course designated (I)
Scientific Investigation (L)	--	Any course designated (L)
*College & Departmental requirements that may be used to meet GE requirements.		
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 10 HOURS</b>		
Agricultural Sciences and Natural Resources	4	AG 1011; <u>One course from:</u> ANSI 1124; BIOC 2344; ENVR 1113; FDSC 1133; HORT 1013; LA 1013; NREM 1014, 1113, 2013, 3343; PLNT 1213, SOIL 2124
Entomology Courses	3	ENTO 2993
Written Communication	3	ENGL 3323* (If ENGL 3323 is substituted for ENGL 1213 above then hours in this block are free electives)

<b>MAJOR REQUIREMENTS: 68 HOURS</b>
<p><b>Core Courses 8 Hours:</b></p> <p style="padding-left: 40px;">ENTO 3044 or 4464 or 4854 (choose two)</p> <p><b>Additional Entomology 9 hours</b></p> <p style="padding-left: 40px;">ENTO 4800 (3 hrs) and any entomology or plant pathology course not taken as a core course</p> <p><b>Related Courses 51 Hours</b></p> <p><b>Genetics - 3 hours from:</b></p> <p style="padding-left: 40px;">BIOL 3023; PLNT 3554; ANSI 3423</p> <p><b>Chemistry – 13 hours from:</b></p> <p style="padding-left: 40px;">CHEM 1225* (or 1515*); organic chemistry (5 upper division hours) BIOC 3653</p> <p><b>Additional Natural Resources or Biological Sciences – 19 hours from:</b></p> <p style="padding-left: 40px;">ANSI 3523, 3543 (vet); BIOC 2344, 3653, 4224; BIOL 3023, 3034; BOT 1404, MICR 2123 &amp; 2132, 3033, 4123, 4133, 4134, 4203, 4214, 4233, 4253, 4263, 4323; NREM 2013, 3063, 3213, 3343, 3513, 3613, 4213; PLNT 2013, 3554; PSYC 1113, 3073, 3113, 3513; ZOOL 1604, 3204, 3114, 4103, 4113, 4134, 4174, 4215, 4273, 4293;</p> <p>OR other upper- level natural science courses not taken for credit in other categories.</p> <p><b>Math &amp; Science – 16 hours from:</b></p> <p style="padding-left: 40px;">MATH 2103, 2144, 2153; CHEM 3153 &amp; 3112; PHYS 1114, 1214; STAT 2331, 4013, 4023, 4043; ZOOL 4133</p> <p>Foreign Language: Up to 10 credit hours of upper division foreign language may be substituted for Additional Natural Resources or Biological Sciences</p> <p><b>BOLD</b> courses are recommended for Pre-Health majors.            With approval from the adviser and the department head, a maximum of 30 hours of science courses from an accredited doctoral health program may be substituted for major requirements other than the ENTO core courses of eight hours above.</p>
<p style="text-align: center;"><b>ELECTIVES: 0</b></p> <p>Hours to complete required total. If ENGL 3323 is used to satisfy English Composition requirement - 3 credit hours</p>

Other Requirements: A minimum of 40 semester credit hours and 100 grade points must be earned in courses numbered 3000 or above. A 2.00 GPA or higher in upper-division hours.

Additional State/OSU Requirements – At least: 60 hours at a four-year institution; 30 hours completed at OSU; 15 of the final 30 or 50% of the upper-division hours in the major field completed at OSU. Limit of: one-half of major course requirements as transfer work; one-fourth of hours earned by correspondence; 8 transfer correspondence hours. Students will be held responsible for degree requirements in effect at the time of matriculation and any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation. Degrees that follow this plan must be completed by the end of Summer 2019.

Signature on file in the Office of the Registrar

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DEAN

DEPARTMENT HEAD