



# OKLAHOMA STATE UNIVERSITY

## COLLEGE OF AGRICULTURAL SCIENCES AND NATURAL RESOURCES

GENERAL REQUIREMENTS FOR STUDENTS MATRICULATING IN ACADEMIC YEAR: 2007-2008

BACHELOR OF SCIENCE IN AGRICULTURAL SCIENCES AND NATURAL RESOURCES

MAJOR BIOCHEMISTRY AND MOLECULAR BIOLOGY

OPTION PREMEDICAL OR PREVETERINARY SCIENCE

MINIMUM OVERALL GRADE-POINT AVERAGE: 2.00      TOTAL HOURS 120

OTHER GPA REQUIREMENTS, SEE BELOW.

GENERAL EDUCATION REQUIREMENTS <u>39</u> HOURS			MAJOR REQUIREMENTS <u>40</u> HOURS	
			<b>Core Courses <u>14</u> Hours</b>	
English Composition and Oral Communication	6	ENGL 1113 or 1313; 1213 or 1413 (See Academic Regulation 3.5 in Catalog.)	<b>Required for Options 1 &amp; 2</b> BIOC 3653, 3723 CHEM 3053, 3112, 3153	
American History and Government	6	HIST 1103; POLS 1113	<b>Choose Option 1 or Option 2</b>	
Analytical and Quantitative Thought (A)	7	MATH 2144* and 2153*	<b>Option 1:</b> With the approval of the adviser, department head, and dean, hours of basic sciences from an accredited dental, medical, optometry, osteopathic, pharmacy, podiatry, or veterinary medical school to total 40 hours.	
Humanities (H)	6	Any course designated (H); must include one lower-division course.	<b>Option 2:</b> BIOC 4113 BIOL 3023 (or ANSI 3423 or PLNT 3554) At least one course chosen from: BOT 3463, ENTO 3043, ZOO 3204, 4215	
Natural Sciences (N)	8	CHEM 1314; PHYS 1114* (or 2014*)	Hours from the following (or related courses with advisor's approval) to total 40 hours	
Social and Behavioral Sciences (S)	6	AGEC 1114* and any course designated (S).	ANSI 3543 (Required for Prevet Students)	
International Dimension (I)	--	Any course designated (I).	BIOC 1990*, 2101, 4224 (or CHEM 3434), 4990*, 5753, 5853	
Scientific Investigation (L)	--	Any course designated (L).	BIOL 3034	
* College and Departmental Requirements that may be used to meet General Education requirements.			BOT 3462	
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS <u>33</u> HOURS</b>			CHEM 2113, 2122, 3353, 4020 (1-5 hours), 4320 (1-3 hours)	
Agricultural Courses	5	AG 1011 and two courses from the following: Animal Science, Plant Science, and Soil Science (If courses used under major requirement, hours in this area are 1.)	CLML 4113, 4253, 4264, 4273	
Additional Requirements	28	BIOL 1114; CHEM 1515; ENGL 3323; MICR 2123 and MICR 2132; PHYS 1214 (or 2114); SPCH 2713; ZOO 1604 (or BOT 1404)	MATH 2163, 2233, 3013	
			MICR 3224, 3254, 4123, 4133, 4134, 4214, 4323	
			PHYS 4313	
			STAT 4013	
			ZOO 3114, 4134, 4222, 4243, 4273, 4283	
			*Note: Total from BIOC 1990 and 4990 may not exceed 10 hours.	
			<b>ELECTIVES <u>8</u> HOURS</b>	
			Hours to complete required total.	

**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. Students will be held responsible for degree requirements in effect at the time of matriculation (date at first enrollment) & any changes that are made, so long as these changes do not result in semester credit hours being added or do not delay graduation.

DEAN

DEPARTMENT HEAD