

OKLAHOMA STATE UNIVERSITY

GENERAL REQUIREMENTS

For students matriculating:

Academic Year 2006-2007

COLLEGE OF

BACHELOR OF

AGRICULTURAL SCIENCES AND
NATURAL RESOURCES

SCIENCE IN AGRICULTURAL

SCIENCES AND NATURAL RESOURCES
DEGREE

Total hours 120

Minimum overall grade-point average 2.00

Other GPA requirements, see below.

BIOCHEMISTRY AND MOLECULAR BIOLOGY
MAJOR

(PREMEDICAL OR PREVENTERINARY SCIENCE)
OPTION

General Education Requirements 39 Hours

Area	Hrs	To Be Selected From
English Composition and Oral Communication	6	ENGL 1113 or 1313; 1213 or 1413 (see Academic Regulation 3.5 in Catalog)
American History and Government	6	HIST 1103; POLS 1113
Analytical and Quantitative Thought (A)	7	MATH 2144* and 2153
Humanities (H)	6	Any courses designated (H); must include one lower-division course
Natural Sciences (N)	8	CHEM 1314; PHYS 1114* (or 2014*)
Social and Behavioral Sciences (S)	6	AGEC 1114* and any course designated (S)
International Dimension (I)	--	Any course designated (I)
Scientific Investigation (L)	--	Any course designated (L)

* College and Departmental Requirements that may be used to meet General Education requirements.

College/Departmental Requirements 33 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).
Additional Requirements	28	BIOL 1114; CHEM 1515; ENGL 3323; MICR 2125; PHYS 1214 (or 2114); SPCH 2713; ZOOL 1604 (or BOT 1404)

Major Requirements 40 Hours

Core Courses <u>14</u> Hours	
Required for Options 1 & 2	
BIOC	3653, 3723
CHEM	3053, 3112, 3153
Choose Option 1 or Option 2	
Option 1:	
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.	
Option 2:	
BIOC	4113
BIOL	3024 (or ANSI 3423 or PLNT 3554)
At least one course chosen from: BOT 3463, ENTO 3043, ZOOL 3204, 4215	
Hours from the following (or related courses with advisor's approval) to total 40 hours	
ANSI	3543 (Required for Prevet Students)
BIOC	1990*, 2101, 4224 (or CHEM 3434), 4990*, 5753, 5853
BIOL	3034
BOT	3462
CHEM	2113, 2122, 3353, 4020 (1-5 hrs.), 4320 (1-3 hrs.)
CLML	4113, 4253, 4264, 4273
MATH	2163, 2233, 3013
MICR	3224, 3254, 4123, 4133, 4134, 4214, 4323
PHYS	4313
STAT	4013
ZOOL	3114, 4134, 4222, 4243, 4273, 4283
*NOTE: Total from BIOC 1990 and 4990 may not exceed 10 hours	

Electives 8 Hours

Hours to complete required total.

Other Requirements:

A minimum of 40 semester credit hrs and 100 grade pts 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 of 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.