



COLLEGE OF AGRICULTURAL SCIENCES & NATURAL RESOURCES
OKLAHOMA STATE UNIVERSITY

General Requirements for Students Matriculating in Academic Year 2009-2010

BACHELOR of SCIENCE in AGRICULTURAL SCIENCES and NATURAL RESOURCES

MAJOR / Biochemistry and Molecular Biology OPTION /Pre-Medical or Pre-Veterinary Science

Minimum overall grade-point average / 2.00

Total Hours / 120

(cumulative graduation/retention GPA)


Other GPA requirements see below.

GENERAL EDUCATION REQUIREMENTS / 39 HOURS		
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; POLS 1113
Analytical & Quantitative Thought (A)	7	MATH 2144* and 2153*
Humanities (H)	6	Any course designated (H); must include one lower-division course.
Natural Sciences (N)	8	CHEM 1314; PHYS 1114* (or 2014*)
Social & Behavioral Sciences (S)	6	AGEC 1114* & any course designated (S)
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.		
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 2123 & 2132; PHYS 1214 (or 2114); SPCH 2713; ZOOL 1604 (or BOT 1604)

MAJOR REQUIREMENTS / 40 HOURS	
Core Courses 17 Hours	
Required for Options 1 & 2	
BIOC	3713, 3723, 3813 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 chiropractic, dental, medical, optometry, osteopathic, pharmacy, podiatry, or veterinary medical school to total 40 hours.	
Option 2:	
BIOC	4883
BIOL	3023 (or ANSI 3423 or PLNT 3554)
At least one course chosen from: BOT 3463, ENTO 3043, ZOOL 3204, 4215	
Hours from the following to total 40 hours: (or related courses with advisor's approval)	
ANSI	3543 (Required for Pre-vet Students)
BIOC	1990*(up to 2 hrs), 2101, 2200 (1-6 hrs), 4224 (or CHEM 3433), 4990*, 5753, 5853
BIOL	3034
BOT	3462
CHEM	2113, 2122, 3353, 3532, 3553, 4020 (1-5 hrs), 4320 (1-3 hrs)
ENTO	2223, 4854
MATH	2163, 2233, 3013, 3263
MICR	3143, 3154, 3223, 3253, 4012, 4112, 4123, 4133, 4134, 4203, 4214, 4233, 4253, 4263, 4323, 4353, 4423
NSCI	4323
PHYS	4313
STAT	4013
ZOOL	2104, 3114, 4103, 4133, 4134, 4223, 4231, 4273, 4283, 4293, 4303, 4503
*Note: Total from BIOC 1990 and 4990 may not exceed 10 hours.	
ELECTIVES / 8 HOURS.	

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 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.


 DEAN


 DEPARTMENT HEAD