

OKLAHOMA STATE UNIVERSITY

GENERAL REQUIREMENTS

For students matriculating:

Academic Year 2004-2005

COLLEGE OF

AGRICULTURAL SCIENCES AND
NATURAL RESOURCES

BACHELOR OF

SCIENCE IN AGRICULTURAL
SCIENCES AND NATURAL RESOURCES
DEGREE

Total hours 120

BIOCHEMISTRY AND MOLECULAR BIOLOGY
MAJOR

Minimum overall grade-point average 2.00

(PREMEDICAL OR PRE-VETERINARY SCIENCE)
OPTION

Other GPA requirements, see below.

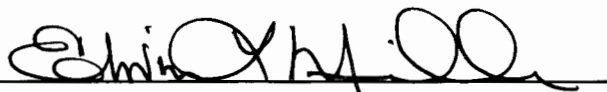
General Education Requirements <u>38</u> Hours		
Area	Hrs	To Be Selected From
English Composition and Oral Communication	6	ENGL 1113 or 1313; 1213 or 1413 (OSU Vet School requires ENGL 1113 and ENGL 1213.)
American History and Government	6	HIST 1103; POLS 1113
Analytical and Quantitative Thought (A)	6	MATH 2144* (or 2123*) and 2153 (or 2133)
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 <u>33</u> 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 (and/or BOT 1404)

Major Requirements <u>45</u> Hours	
Core Courses <u>11</u> Hours	
BIOC	3653
CHEM	3053, 3112, 3153
Additional Core Courses <u>34</u> Hours	
BIOC	3723, 4113, 4990 (2 hrs)
BIOL	3024 (or ANSI 3423 or PLNT 3554)
<u>23 hrs from the following (or related courses with adviser's approval)</u>	
ANSI	3543 (Required for Prevet Students)
BIOC	4224 (or CHEM 3434), 5753, 5853
BIOC	4990 (up to 8 hrs)
BIOL	3034
CHEM	2113, 2122, 3532, 3553, 4020 (4 hrs), 4320 (3hrs)
CS	3000 level or above
MATH	2233, 3013
MICR	3224, 3254, 3264, 4123, 5203
STAT	4013
ZOOL	3115, 3204, 4215
With the approval of the adviser, department head, and dean, a maximum of 30 hours of basic sciences from an accredited dental, medical, optometry, osteopathic, pharmacy, podiatry, or veterinary medical school may be substituted.	
Electives <u>4</u> 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.


DEAN

AG-31


DEPARTMENT HEAD