



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: 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: 44 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*, MATH 2153* or STAT 2013* or STAT 4013*
Humanities (H)	6	Any course designated (H)
Natural Sciences (N)	13	BIOL 1114*, CHEM 1314*, CHEM 1515
Social & Behavioral Sciences (S)	6	AGEC 1113*, SPCH 2713*
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: 25 HOURS		
Agricultural Sciences and Natural Resources	5	AG 1011 and two courses from the following: Animal Science, Plant Science, and Soil Science (if course used under major requirement, hours in this area are 1)
Additional Requirements	20	ENGL 3323; MICR 2123 & 2132; PHYS 1114, 1214 (or 2114); ZOO 1604 (or BOT 1404)

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 / 23 Hours
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 3044, ZOO 3204, 4215
Hours from the following to total 40 hours: (or related courses with adviser's approval)
ANSI 3543 (Required for Pre-vet Students)
BIOC 1990*(up to 2 hrs), 2101, 2200 (1-6 hrs), 4113, 4224 (or CHEM 3433), 4523, 4990*, 5753, 5853
BIOL 3034
BOT 3462
CHEM 2113, 2122, 3353, 3532, 3553, 4020 (1-5 hrs), 4320 (1-3 hrs)
ENTO 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
ZOO 2104, 3114, 4104, 4133, 4134, 4223, 4231, 4273, 4283, 4293, 4303, 4503
*Note: Total from BIOC 1990 and 4990 may not exceed 10 hours.

ELECTIVES: 11 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.

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