



# COLLEGE OF AGRICULTURAL SCIENCES & NATURAL RESOURCES

OKLAHOMA STATE UNIVERSITY

Requirements for Students **Matriculating in or before Academic Year 2017-2018**

**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.*

<b>GENERAL EDUCATION REQUIREMENTS: 40 HOURS</b>			<b>MAJOR REQUIREMENTS: 63 HOURS</b>
<b>Area</b>	<b>Hours</b>	<b>To be selected from:</b>	<p align="center"><b>Core Courses: 43 hours</b></p> <p>           BIOC 3723, 3813            BIOL 1114, 1604 (or BOT 1604)            CHEM 1515, 3053, 3112, 3153            MATH 2153 (or STAT 2013 or STAT 4013)            MICR 2123, 2132            PHYS 1114 (or 2014), 1214 (or 2114)         </p> <p align="center"><b>Related Courses: 20 hours</b></p> <p><b>Option 1.</b>            With the approval of the advisor, department head, and dean, hours of basic sciences from an accredited chiropractic, dental medial, optometry, osteopathic, pharmacy, podiatry, or veterinary medical school to total 57 hours.</p> <p><b>Option 2.</b>            BIOC 3224 (or CHEM3433), 4883            BIOL 3023 (or ANSI 3423 or PLNT 3554) and 3204 (or BOT 3463 or ENTO 3044)</p> <p>Minimum of 6 hours of BIOC or courses related to BIOC, subject to Advisor approval</p> <p>           ANSI 3543            BIOC1990<sup>s</sup> (up to 2hrs), 2101, 2202, 3003, 4113, 4523, 4990<sup>s</sup>            BIOL 3034, 3104, 3114, 3214, 3233, 4052, 4053, 4104, 4133, 4174, 4215, 4223, 4243, 4283, 4293, 4353, 4503, 4215            BOT 3462            CHEM 2113, 2122, 3353, 3532, 3553, 4020 (1-5hrs), 4320 (1-3hrs)            ENTO 4854            MATH 2163, 2233, 3013, 3263            MICR 3143, 3154, 3223, 3253, 4012, 4112, 4123, 4133, 4203, 4053, 4052, 4233, 4253, 4263, 4323, 4353, 4423            NSCI 4123            PHYS 4313            STAT 4013 (if not in used as (A) above)         </p> <p><sup>s</sup>Total hours of BIOC1990 and 4990 may not exceed 10 hours</p>
English Composition	6	ENGL 1113 (or 1313) and ENGL 1213 (or 1413 or 3323) (See Academic Regulation 3.5 in Catalog)	
American History & Government	6	HIST 1103 (or 1483 or 1493) and POLS 1113	
Analytical & Quantitative Thought (A)	4	MATH2144 <sup>*</sup>	
Humanities (H)	6	Courses designated (H)	
Natural Sciences (N) Must include one Laboratory Science (L) course.	9	CHEM 1314 <sup>*</sup> ; 5 hours courses designated N	
Social & Behavioral Sciences (S)	3	AGEC 1113 <sup>*</sup>	
Additional General Education	6	Courses designated A, H, N, or S	
<p align="center"><b>DIVERSITY(D) &amp; INTERNATIONAL DIMENSION(I)</b>            May be completed in any part of the degree plan.            At least one Diversity (D) course            At least one International Dimension (I) course</p>			
*College & Departmental requirements that may be used to meet GE requirements.			
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 13 HOURS</b>			
Agricultural Sciences and Natural Resources	7	AG 1011; From two of the following groups, select one course: 1. PLNT 1213, HORT 1013, NREM 1113, 3343 2. SOIL 1113, 2124 3. ANSI 1124, FDSC 1133, ENTO 2993, 3003 4. NREM 1014, 2013, ENVR 1113, BIOC 2344, 3713, LA 1013	
Course cannot be used here and as an (N)			
Written and Oral Communications	6	AGCM 3103 (or BCOM 3113 or BCOM 3443 or ENGL 3323) (If ENGL 3323 is substituted for ENGL 1213 above; hours in this block are reduced by 3.) AGCM 3203 or SPCH 2713 or 3733. (If used as (S) course above, hours in this block reduced by 3.)	
<p align="center"><b>ELECTIVES: 4 HOURS</b>            (or hours to complete required total for degree)</p>			
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 2023.			

Signature on file in the Office of the Registrar

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DEAN

DEPARTMENT HEAD