



COLLEGE OF AGRICULTURAL SCIENCES & NATURAL RESOURCES
OKLAHOMA STATE UNIVERSITY

Requirements for Students **Matriculating** in or before Academic Year 2014-2015

BACHELOR of SCIENCE in AGRICULTURAL SCIENCES and NATURAL RESOURCES

MAJOR: Biochemistry and Molecular Biology

Minimum Overall Grade Point Average: 2.00

Total Hours: 120

(cumulative graduation/retention GPA)

Other GPA requirements see below.

| GENERAL EDUCATION REQUIREMENTS: 44 HOURS | | | MAJOR REQUIREMENTS: 40 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) | BIOC 3713, 3723, 3813, 4224 (or CHEM 3433), 4883 | |
| American History & Government | 6 | HIST 1103; POLS 1113 | BIOC 4990 (2 hours) | |
| Analytical & Quantitative Thought (A) | 7 | MATH 2144*, MATH 2153* or STAT 2013* or STAT 4013* | BIOL 3023 (or ANSI 3423 or PLNT 3554) | |
| Humanities (H) | 6 | Any course designated (H) | CHEM 2113, 3053, 3112, 3153 | |
| Natural Sciences (N) | 13 | BIOL1114*, CHEM 1314*, CHEM 1515* | | At least one course from: BOT 3463, ENTO 3044, ZOO 3204, 4215 |
| Social & Behavioral Sciences (S) | 6 | AGEC 1113*, SPCH 2713* | | Hours from the following (or related courses with adviser approval) |
| Diversity (D) | -- | Any course designated (D) | | To total 40 hours: |
| International Dimension (I) | -- | Any course designated (I) | | ANSI 3543 (required for pre-vet students) |
| Scientific Investigation (L) | -- | Any course designated (L) | | BIOC 1990*(up to 2hrs), 2101, 2200 (1-6 hrs), 4113, 4523, 4990*, 5753, 5853 |
| *College & Departmental requirements that may be used to meet GE requirements. | | | | BIOL 3034 |
| COLLEGE/DEPARTMENTAL REQUIREMENTS: 25 HOURS | | | | BOT 3462, 3463 |
| Agricultural Sciences and Natural Resources | 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) | | CHEM 2122, 3353, 3532, 3553, 4020 (1-5 hours), 4320 (1-3 hours) |
| Additional Requirements | 20 | ENGL 3323; MICR 2123 & 2132; PHYS 1114, 1214 (or 2114); ZOO 1604 (or BOT 1404) | | ENTO 4854 |
| Other Requirements: | | | | MATH 2163, 2233, 3013, 3263 |
| 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. | | | | MICR 3143, 3154, 3223, 3253, 4012, 4112, 4123, 4133, 4134, 4203, 4214, 4233, 4253, 4263, 4323, 4353, 4423 |
| 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 2020. | | | | NSCI 4323 |
| | | | | PHYS 4313 |
| | | | | STAT 4013 |
| | | | | ZOO 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: 11 HOURS |
| | | | | Hours to complete required total. |

Signature on file in the Office of the Registrar

Signature on file in the Office of the Registrar

DEAN

DEPARTMENT HEAD