



**COLLEGE OF ARTS & SCIENCES**  
**OKLAHOMA STATE UNIVERSITY**

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

**BACHELOR of SCIENCE**

**MAJOR: Microbiology/Cell & Molecular Biology**

**OPTION: Microbial Ecology/Environmental**

**Minimum Overall Grade Point Average: 2.00**

**Total Hours: 120**

**(cumulative graduation/retention GPA)**

*Other GPA requirements, see below.*

<b>GENERAL EDUCATION REQUIREMENTS: 42 HOURS</b>			<b>MAJOR REQUIREMENTS: 54 HOURS</b>	
<b>Area</b>	<b>Hours</b>	<b>To be selected from:</b>	A minimum grade of "C" in each upper-division course and MICR 2123 and 2132.	
English Composition & Oral Communication	6	ENGL 1113 or 1313; & 1213 or 1413 or 3323 (See Academic Regulation 3.5 in Catalog)	BIOC 3653	
American History & Government	6	HIST 1103 and POLS 1113	BIOL 1114	
Analytical & Quantitative Thought (A)	7	MATH 2144* and STAT 4013*	3023 or ANSI 3423	
Humanities (H)	6	PHIL 3833* and 3 hours designated (H)	BOT 1404 or ZOOL 1604	
Natural Sciences (N)	8	PHYS 1114* and 1214*	CHEM 3053	
Social & Behavioral Sciences (S)	6	Courses designated (S)	3112	
Diversity (D)	--	Course designated (D) (see note 1.b.)	3153	
International Dimension (I)	--	Course designated (I) (see note 1.b.)	MICR 2123	
Scientific Investigation (L)	--	Course designated (L) (see note 1.b.)	2132	
Controlled Electives	3	Any course with a Gen Ed designation in any of the above areas	3033	
*College and Departmental Requirements that may be used to meet Gen Ed Requirements.			3223	
<b>COLLEGE/DEPARTMENTAL REQUIREMENTS: 13 HOURS</b>			4001	
Orientation	1	A&S 1111 (transfer students with 15 hours exempt)	4012	
Arts and Humanities	3	_____ (see note 2.a.)	4112	
Natural & Mathematical Sciences	9	CHEM 1314 and 1515	4203	
			4214	
			4233	
			4133 or 4253 or 4263	
			Choose 3 upper-division hours from:	
			MICR 3143	
			3154	
			3253	
			4123	
			4134	
			4323	
			4353	
			4423	
			4990 (1-4 hours)	
			With approval from the advisor and department head, a maximum of 30 hours from an accredited doctoral health program may be substituted for major requirements.	
			<b>ELECTIVES: 11 HOURS</b>	
<b>Other Requirements:</b> See notes 1, 2 & 3 on back of degree sheet				
<b>Foreign Language Proficiency:</b> See note 3 on back of sheet.				
<b>Upper-Division Gen Ed:</b> 6 hours outside major department.				
<b>Upper-Division Credit:</b> Total hours must include at least 40 hours in courses numbered 3000 or above.				
<b>Hours in One Department:</b> Hours in one department in excess of 54 will be added to the minimum total of 120 required for graduation.				
<b>Additional State/OSU Requirements</b> – 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.				

Signature on file in the Office of the Registrar

Signature on file in the Office of the Registrar

DEAN

DEPARTMENT HEAD

# College of Arts and Sciences

## 1. GENERAL EDUCATION REQUIREMENTS

- a. No more than two courses (or eight hours) from the major department may be used to meet General Education and College and Departmental Requirements. The General Education Controlled Elective required English Composition, required U.S. History, required American Government, and one required MATH course do not count against the two-course maximum.
- b. The Diversity, International Dimension, Scientific Investigation and Non-Western requirements may be satisfied by courses also used to satisfy any part of a student's degree program (i.e., in General Education, College Departmental Requirements, Major Requirements or Electives).
- c. Courses in the major department may not be used to satisfy the College requirement for six hours upper-division General Education.

## 2. A&S COLLEGE/DEPARTMENTAL REQUIREMENTS

- a. Arts and Humanities are defined as any course carrying an (H) designation or courses from ART, HIST, MUSI, PHIL (except 1313 and 3003), REL, TH, creative writing, foreign languages (second year and above), linguistics and literature. No more than six hours may be music or theatre performance or art studio.
- b. Natural and Mathematical Sciences are defined as any course from the following prefixes: ASTR, BIOC, BIOL, BOT, CHEM, CS (except 4883), GEOL, MATH, MICR, PHYS, STAT and ZOOL; or courses from other departments that carry an (A) or (N) general education designation.
- c. Non-Western Studies Requirement for B.A. and B.F.A. (see 1.b. above). One course in Non-Western Studies from: AMIS 2013, 4013, ANTH 3443, 4223; ART 3693, 4603, 4653, 4663, 4673, 4683, 4763; CHIN 1225; ECON 4643; ENGL 3173, 3183; ENGL 3190 (African Novel; Post-Col Multi Ethnic Lit); FLL 1000 (Arabic 2; Mvskoke 2); GEOG 3053, 3753, 3763, 3783; HIST 1713, 3013, 3043, 3053, 3203, 3403, 3413, 3423, 3433, 3503, 3513, 3543, 3553; HONR 3033; JAPN 1225, 2015, 2225; MUSI 3583; PHIL 3943; POLS 3053, 3163, 3223, 3313; REL 3573, 3613, 4050 (Understanding Islam; Rel & Sects of Mid-East), 4113, 4213; RUSS 3053; SOC 4533, 4653.

## 3. FOREIGN LANGUAGE PROFICIENCY

- a. The foreign language requirement for the B.A. may be satisfied by 10 hours college credit in the same language, or equivalent proficiency (e.g., passing an advanced standing examination; completing a second-year or higher college-level course in the language, etc.).
- b. The foreign language requirement for the B.S., B.M. and B.F.A. may be satisfied by presenting a high school transcript which demonstrates two years of study of a single foreign language (passing grades at second year level of study). It may also be satisfied by any of the options listed above for the B.A.
- c. In addition to a. and b., **students pursuing secondary education teacher certification** must meet novice-high foreign language proficiency by presenting a high school transcript which demonstrates two years of study of a single foreign language with no grade below B. Or, students may complete 5 hours college credit in the same language with no grade below C (or pass an advanced standing examination equivalent to 5 hours of college credit).

## 4. EXCLUSIONS

- a. Courses used to satisfy the English Composition, American History and Government requirement will not count toward the 54 hour maximum allowed from one department.
- b. Courses with ATHL or LEIS prefixes and leisure activity courses may not be used for degree credit in the College of Arts & Sciences.

## 5. TEACHER CERTIFICATION

Students can satisfy the requirements for secondary schools teaching certification while earning a B.A. or B.S. in the College of Arts & Sciences. Those interested should see their Arts and Sciences adviser and the OSU Professional Education Unit in room 325 Willard.