



College of: Arts and Sciences Degree/Major: BS/Biology Option: Pre-Medical Sciences Academic Year: 2018-19

### Proposed Four-Year Degree Plan (Total Hours 120)

The following is an example 8-semester plan. This is used to illustrate the course sequencing and the expectations for course loading. Students may use this as a guide as they plan their undergraduate education, but should adjust it to fit their personal goals. Students are responsible for completing requirements in the official degree sheet for each major. It is mandatory for a student to meet with an academic advisor prior to course enrollment each semester.

- Assumptions:** 1) Entering students have 2 years of a foreign language from high school.  
2) Entering Students have sufficient preparation to place into MATH 1813 (Preparation for Calculus).

**Current Course Rotation:** (F) = Fall only (Sp) = Spring only

*Students must refer to the current course catalog for the availability of course offerings as well as visit with their academic advisor to find out about any special offerings. This sample plan accounts for prerequisite sequencing, course rotations, and course time conflicts. Students considering an alternate plan should consult their advisor.*

Year One					
Fall Semester			Spring Semester		
A&S	1111	First Year Seminar	ENGL	1213	Freshman Composition II
ENGL	1113	Freshman Composition I		3 hours	Social & Behavioral Sciences (S)
MATH	1813	Preparation for Calculus	CHEM	1515	General Chemistry II
BIOL	1114	Introductory Biology	BIOL	1604	Animal Biology
CHEM	1314	General Chemistry I			
Total: 15 credit hours			Total: 15 credit hours		
Get involved with student organizations to further your experiences. <b>Register at <a href="http://preprofessional.okstate.edu">preprofessional.okstate.edu</a>.</b>			Register with Career Services. It is free and gives you countless opportunities. Interested in Study Abroad? Visit the Study Abroad Office this semester.		

Year Two					
Fall Semester			Spring Semester		
POLS	1113	Intro to American Government	HIST	1103	Survey of American History
PHYS	1114 or 2014	College Physics I or University Physics I	PHYS	1214 or 2114	College Physics II or University Physics II
PBIO	1404	Plant Biology		3 hours	Humanities (H) with Diversity (D)
MICR	2123	Intro to Microbiology	MICR	2132	Intro to Microbiology Laboratory
	1 hour	Electives	CHEM	3053	Organic Chemistry I
Total: 15 credit hours			Total: 15 credit hours		
Interested in an internship or research? This is an ideal time to research possibilities and talk to faculty.			If interested look into a 2nd Major or Minor; most minors are 15 - 25 hours.		

Year Three					
Fall Semester			Spring Semester		
STAT	4013	Statistical Methods		3 hours	Arts & Humanities
	3 hours	Additional General Education (A, H, N, S)	BIOL	3023	General Genetics
BIOL	3204	Physiology	CHEM	3112	Organic Chemistry Lab
CHEM	3153	Organic Chemistry II		3 hours	Related Courses List * (BIOC 3653 suggested)
MICR	3033	Cell & Molecular Biology		3 hours	Supplemental Courses **
				1 hour	Electives
Total: 16 credit hours			Total: 15 credit hours		
Consider applying for college and/or departmental scholarships.			If you have a professional school in mind, investigate prerequisite courses. Take the MCAT exam this spring or early summer.		

Between Years Three and Four, contact your advisor about an official graduation check.

Year Four					
Fall Semester			Spring Semester		
BIOL	3034	General Ecology		3 hours	Upper-Division Humanities (H) with International (I)
BIOL	4133	Evolution		3 hours	Upper-Division Additional General Education (A, H, N, S) (not BIOL)
	3 hours	Upper-Division Core Course (BIOL, MICR, PBIO)		3 hours	Upper-Division Core Course (BIOL, MICR, PBIO)
	4 hours	Electives		3 hours	Related Course List *
				2-4 hours	Electives (as needed to reach 120 hours)
Total: 14 credit hours			Total: 13-15 credit hours		
Be prepared to apply for Spring graduation this semester. Check on 2nd Major or Minor.			Celebrate your accomplishment at May Graduation!!		

Students seeking certain health careers may consider taking UNIV 2511 (Intro to Health Careers), UNIV 2611 (Health Portfolio Development), UNIV 3511 (Health Profession School Prep), and BIOL 3214 (Human Anatomy).

\* BIOC 3653; BIOL 3233, 4024, 4104, 4134, 4253, 4283, or 4363; MICR 3223, or 3253.

\*\*Courses include: ENGL 3323, PSYC 3073, SOC 4153, SOC 4433, SOC 4453, or upper division coursework from other university departments. Please see degree sheet for a complete list.

### **OTHER REQUIREMENTS:**

**The College of Arts and Sciences requires 6 hours Upper-Division General Education outside the major department.**

**Total hours must include at least 44 hours in courses numbered 3000 or above.**

**Hours in one department in excess of 54 will be added to the minimum total of 120 required for graduation.**

**At least 60 hours must be completed at a four-year institution. At least 30 hours must be completed at OSU.**

**15 of the final 30 hours completed, or 50% of the upper-division hours in the major field must be 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.**

#### **1. GENERAL EDUCATION REQUIREMENTS**

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 required English Composition, required U.S. History, required American Government, one required MATH or STAT course, and required foreign language for B.A. degrees do not count against the two-course maximum.

#### **2. CAS COLLEGE/DEPARTMENTAL REQUIREMENTS**

a. Arts and Humanities are defined as any course carrying an (H) designation or courses from AMST, ART, DANC, ENGL (except 3323) HIST, MUSI, PHIL (except 1313, 3003 and 4003), REL, TH, and foreign languages.

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, and STAT; or any courses that carry an (A) or (N) general education designation.

c. The required six hours of upper-division General Education may not include courses from the student's major department. This requirement 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).

d. Non-Western Studies Requirement for B.A. and B.F.A. – consult academic advisor

e. The College of Arts and Sciences requires a minimum 2.0 GPA in all major requirements and a minimum 2.0 GPA in all major-prefix courses.

#### **3. FOREIGN LANGUAGE PROFICIENCY**

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 6 hours college credit in the same language, which must include language courses 1713 and 1813, or equivalent proficiency (e.g., passing an advanced standing examination; TOEFL exam; presenting a high school transcript which demonstrates the high school was primarily conducted in a language other than English; etc.). Computer Science courses may not be used to satisfy this requirement.

c. In addition to a. and b., **students pursuing 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 3 hours college credit in a single language with no grade below C (or pass an advanced standing examination, College Level Examination Program (CLEP) exam, or Oral Proficiency Interview developed by the American Council on the Teaching of Foreign Languages, equivalent to 3 hours of college credit.) Or, students may meet the requirement by transfer of documentation of meeting the foreign language competency from one of the teacher education programs in the State of Oklahoma approved by the Oklahoma State Regents for Higher Education.

#### **4. EXCLUSIONS**

a. Courses used to satisfy the General Education English Composition, U.S. History, American Government, and Mathematics or Statistics requirements 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.