



College of: Arts & Sciences Degree/Major: BS/Physiology Option: Pre-Medical Sciences Academic Year: 2016-2017

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

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 2144 (Calculus I).

**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.*

Year One					
Fall Semester			Spring Semester		
A&S	1111	First Year Seminar	ENGL	1213	Freshman Composition II
ENGL	1113	Freshman Composition I		3 hours	Humanities (H) with Diversity (D)
MATH	2144	Calculus I	CHEM	1515	General Chemistry II
	3 hours	Social & Behavioral Sciences (S)	BIOL	1114	Introductory Biology
CHEM	1314	General Chemistry I			
Total: 15 credit hours			Total: 15 credit hours		
Get involved with student organizations to further your experiences.			If interested, look into 2nd Major or Minor; most minors are 15 – 25 hours.		

Year Two					
Fall Semester			Spring Semester		
POLS	1113	Intro to American Government	HIST	1103	Survey of American History
PHYS	1114 or 2014	General Physics I	PHYS	1214 or 2114	General Physics II
BIOL	1604	Animal Biology	CHEM	3153	Organic Chemistry II
CHEM	3053	Organic Chemistry I	MICR	2123	Intro to Microbiology
	1 hours	Elective	MICR	2132	Intro Microbiology Lab
Total: 15 credit hours			Total: 15 credit hours		
Interested in Study Abroad? Visit the Study Abroad Office this semester.			Interested in an internship or research? This is an ideal time to research possibilities and talk to faculty.		

Year Three					
Fall Semester			Spring Semester		
STAT	4013	Statistical Methods		3 hours	Upper-Division Humanities (H) with International (I)
	3 hours	Arts & Humanities	BIOL	3023	General Genetics
BIOL	3204	Physiology	BIOL	4215	Mammalian Physiology (Sp)
	3 hours	Upper Division Additional General Education (not BIOL)	CHEM	3112	Organic Chemistry Lab (Sp)
BIOC	3653	Survey of Biochemistry		2 hours	Electives
Total: 16 credit hours			Total: 15 credit hours		
College & Departmental scholarship applications come out in the fall; look for opportunities to apply.			Register with Career Services. It is free and provides countless opportunities.		

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

Year Four					
Fall Semester			Spring Semester		
	3 hours	Additional General Education	BIOL	3034	General Ecology
BIOL	3114 or 4243	Vertebrate Morphology (F) (unless taking 3214 in Spring) or Intro to Pharmacology	BIOL	3214 or 4134	Human Anatomy (Sp) (unless 4104 taken in fall) or Embryology
BIOL	4223	Mammalian Physiology Lab (F)	BIOL	4133	Evolution
MICR	3033	Cell & Molecular Biology		3 hours	Electives
	3 hours	Related course list below**			
Total: 15-16 credit hours			Total: 14 credit hours		
Be prepared to apply for Spring graduation this semester. Check on 2nd Major or Minor.			Celebrate your accomplishment at May Graduation with your fellow Cowboys!!		

Students seeking certain health careers may consider taking UNIV 2511 (Intro to Health Careers), UNIV 2611 (Health Portfolio Development), and UNIV 3511 (Health Profession School Prep) as elective hours.

\*\* BIOL 4104(F), 4134(Sp), 4243(F), 4273(Sp), 4283(Sp), or 4293(F); MICR 3253(Sp)

### **OTHER REQUIREMENTS:**

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

**Total hours must include at least 48 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. A&S COLLEGE/DEPARTMENTAL REQUIREMENTS**

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

e. The College of Arts & 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**

a. 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 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.), utilizing elective hours.

b. In addition to a., 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.