



OSUTeach Degree/Major: BS/Biological Science Option: Secondary Teaching Academic Year: 2014-15

### Proposed Four-Year Degree Plan

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.

- Assumption:**
- 1) Entering students have 2 years of a foreign language from high school.
  - 2) Entering students have sufficient preparation to be placed into MATH 1613 (Trigonometry)

**Current Course Rotation:** (F) = Fall only (S) = 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	Freshman Orientation	BOT	1404	Plant Biology
BIOL	1114	Introductory Biology	CHEM	1314	General Chemistry I
ENGL	1113	Freshman Composition I	ENGL	1213	Freshman Composition II
HIST	1103	Survey of American History	POLS	1113	Intro to American Government
MATH	1613	Trigonometry	SMED	2011	Inquiry-Based Lesson Design
SMED	1011	Inquiry Approach to Teaching			
Total: 15 credit hours			Total: 15 credit hours		
10 hours field experience. Get involved with student organizations to further your experiences.			10 hours field experience. Register at Career services. It is free, and gives you countless opportunities.		

Year Two					
Fall Semester			Spring Semester		
CHEM	1515	General Chemistry II	MICR	2123	Intro to Microbiology
SPCH	2713	Intro to Speech Communication	MICR	2132	Intro to Microbiology Laboratory
PHIL	3743	Patterns in Science	PHYS	1114 or 2014	General Physics I
ZOOL	1604	Animal Biology	PSYC	1113	Introductory Psychology
	2 hours	Electives	SMED	3013	Knowing, Learning in Math & Science
				3 hours	Arts & Humanities with International
Total: 17 credit hours			Total: 18 credit hours		
Interested in Study Abroad? Visit the Study Abroad Office this semester.			Register for and pass OGET. Pass Portfolio Submission One.		

Year Three					
Fall Semester			Spring Semester		
BOT	1 course from	BOT 3024(S), 3114(S), 3233(F), or 3463	BIOL	3023	General Genetics
CHEM	3013	Organic Chemistry Survey	BIOL	3933	Research Methods (S)
MICR	3033	Cell & Molecular Biology	CIED	4613	Teaching Science Through Inquiry (S)
SMED	4013	Classroom Interactions	SPED	3202	Educating Exceptional Learners
STAT	4013	Statistical Methods	ZOOL	3204	Physiology
Total: 15-16 credit hours			Total: 15 credit hours		
30 hours field experience. Apply for Professional Education.			Register for and pass OSAT.		

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

Year Four					
Fall Semester			Spring Semester		
BIOL	3034	Ecology	CIED	4720 (6 hours)	Internship in Secondary Education
CIED	4713	Teaching & Learning in Secondary Schools	SMED	4723	Senior Seminar in Secondary Science/Math Teaching
PHIL	3933	Creation & Evolution (F)			
SMED	4023	Problem-Based Learning			
ZOOL	4133	Evolution			
Total: 16 credit hours			Total: 9 credit hours		
Be prepared to apply for Spring graduation this semester. Pass Portfolio Submission Two.			File a Diploma Application. Register for and pass OPTE. Pass Portfolio Submission Three. Celebrate your accomplishment at May Graduation!!		

### **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.**

#### **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. – consult academic advisor

#### **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.