



College of: Arts and Sciences Degree/Major: BS/Mathematics Option: Actuarial & Financial Academic Year: 2018-19

**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.

- Assumption: 1) Entering students have 2 years of a foreign language from high school.  
 2) Entering students meet placement requirements for MATH 2144 (Calculus I).

*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	POLS	1113	Intro to American Government
HIST	1103	Survey of American History	PHYS	1114 or 2014	College Physics I or University Physics I
MATH	2144	Calculus I		3 hours	Arts & Humanities
	3 hours	Humanities	MATH	2153	Calculus II
Total: 14 credit hours			Total: 16 credit hours		
Get involved with student organizations to further your experiences.			Registering at Career services is free and gives you many opportunities.		

Year Two					
Fall Semester			Spring Semester		
PHYS	1214 or 2114	Physics II (recommended) or 3-4 hours Natural Science	ENGR	1412	Introductory Engineering Computer Programming
ECON	2103	Intro to Microeconomics	STAT	4013 or 4053	Statistical Methods I or Statistical Methods I for Social Sciences
	3 hours	Additional General Education (A, H, N, or S, not MATH)	MATH	2233	Differential Equations
MATH	2163	Calculus III		3 hours	Electives (ACCT 2203 recommended)
ACCT	2103	Financial Accounting	ECON	2203	Intro to Macroeconomics
Total: 16 credit hours			Total: 14 credit hours		
Interested in an internship or research? This is an ideal time to research possibilities and talk to faculty.			Start looking into 2nd Major or Minor; minors are 15 - 30 hours.		

Year Three					
Fall Semester			Spring Semester		
	3 hours	Upper-Division Additional General Education (A, H, N, or S) with Diversity (D)		3 hours	Upper-Division Humanities (H) with International (I)
MATH	3013	Linear Algebra	MATH	3613	Intro to Modern Algebra
STAT	4203	Math Statistics I	MATH	4453	Mathematical Interest Theory
FIN	3113	Finance	FIN	4223	Investments
CS	1113	Computer Science I		3 hours	Electives
Total: 15 credit hours			Total: 15 credit hours		
Start preparing for SOA Exam P while taking STAT 4203; plan on taking it in January.			Start preparing for SOA Exam FM while taking Math 4453 and apply for summer internships.		

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

Year Four					
Fall Semester			Spring Semester		
MATH	3 hours	Approved 4000-level MATH from list	MATH	3 hours	Approved 4000-level MATH from list
MATH	3 hours	Approved 4000-level MATH from list	ECON or ECON or STAT	4213 or 4223 or 4043	Econometric Methods or Business & Economic Forecasting or Applied Regression Analysis
FIN	4333 or 4763	Financial Management or Financial Futures & Options Market		3 hours	Upper division AGECE, FIN or ECON or 4000-level MATH or STAT, STAT 5053, or MSIS 3103 or 3393
	3 hours	Electives (BCOM 3113 or 3223 or SPCH 3723 recommended)	MATH	3583	Introduction to Mathematical Modeling
	3 hours	Electives		3 hours	Electives
Total: 15 credit hours			Total: 15 credit hours		
Apply for Spring graduation this semester. Check on minors in Economics or Finance or other areas.			Celebrate your accomplishment at May Graduation with your fellow Cowboys!!		

### **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 40 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.