

College of Arts and Science
GRADUATION PLAN: Bachelor of Arts in Mathematics

Name (Last, First)

Student Number

Date Form Filled

First College Semester

Semester of Graduation

Degree

Local Address

Permanent Address

REQUIRED MATH COURSES

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	
MATH 1500	Calculus I		
MATH 1700	Calculus II		
MATH 2300	Calculus III		

REQUIRED COMPUTER SCIENCE COURSES

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	
CS 1050	Algorithm Design and Programming I		
CS 2050	Algorithm Design and Programming II		

MATH CAPSTONE COURSES: Choose either MATH 4970 (Senior Seminar) or MATH 4980 (Mathematics Problem Solving).

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	

4000 LEVEL ELECTIVES: Select a minimum of seven additional courses in Math, Statistics or Computer Science, with at least five taught in the Department of Mathematics.

Choose one of the following three courses: MATH 4310 (Numerical Linear Algebra), MATH 4140 (Matrix Theory), or MATH 4920 (Introduction to Abstract Linear Algebra).

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	

Choose one of the following two courses: MATH 4110 (Advanced Calculus with Applications) or MATH 4700 (Advanced Calculus I).

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	

Choose at least TWO of the following sequences:

Sequence 1: MATH 4110 Advanced Calculus with Applications & MATH 4940 Introduction to Complex Variables

Sequence 2: MATH 4100 Differential Equations & MATH 4500 Applied Analysis

Sequence 3: MATH 4300 Numerical Analysis & MATH 4310 Numerical Linear Algebra

Sequence 4: MATH 4700 Advanced Calculus I & MATH 4900 Advanced Calculus II

Sequence 5: MATH 4320 (STAT 4750) Introduction to Probability Theory & MATH 4520 (STAT 4760) Statistical Inference

Sequence 6: MATH 4720 Introduction to Abstract Algebra I & MATH 4920 Introduction to Abstract Linear Algebra

Sequence 7: MATH 4340 Projective Geometry & MATH 4400 Introduction to Topology

Sequence 8: MATH 4345 Foundations of Geometry & MATH 4400 Introduction to Topology

Sequence 9: MATH 4350 Non-Euclidean Geometry & MATH 4400 Introduction to Topology

COURSE NO.	TITLE OF COURSE	CREDIT HOURS	

Related Field Courses in Computer Science and Statistics Approved by the Math Department

DEPT.	COURSE NO.	TITLE OF COURSE	CREDIT HOURS	

Total Hours of Mathematics Courses:

Student _____ Date _____

Advisor _____ Date _____

Director of Undergraduate Studies _____ Date _____

A&S Dean _____ Date _____

ARTS & SCIENCE FOUNDATION REQUIREMENTS
(List courses already completed and those to be completed)

BASIC SKILLS (Note: The State of Missouri requires a course in American History or Government for graduation.)

English Composition	ENGL 1000 Exposition and Argumentation		

Foreign Language: 12-13 hours or comparable proficiency required

Chinese I, II (12 hrs)	Greek I, II, III (13 hrs)	Japanese I, II (12 hrs)	Portuguese I, II (12 hrs)
French I, II, III (13 hrs)	Hebrew I, II, III, IV (12 hrs)	Korean I, II, III (13 hrs)	Russian I, II (12 hrs)
German I, II, III (13 hrs)	Italian I, II (12 hrs)	Latin I, II, III (13 hrs)	Spanish I, II, III (13 hrs)

FOREIGN LANGUAGE	TOTAL HOURS

DEPTH OF STUDY

9 hours must be courses numbered 2000, or above, and taken in at least two of the four Breadth of Study fields.

BREADTH OF STUDY

Biological, Physical, and Mathematical Sciences: 9 hours that include courses from at least two of the three areas and at least one biological or physical science laboratory course.

DEPT.	COURSE #	TITLE OF COURSE	HOURS	TOTAL

Behavioral Sciences: At least 5 hours.

DEPT.	COURSE #	TITLE OF COURSE	HOURS	TOTAL

Social Sciences: At least 9 hours and must include courses from at least two different areas.

DEPT.	COURSE #	TITLE OF COURSE	HOURS	TOTAL

Humanities and Fine Arts: At least 12 hours and must include courses from at least three different areas.

DEPT.	COURSE #	TITLE OF COURSE	HOURS	TOTAL

Total hours:

WARNING: additional hours are needed for graduation.

After printing this form, have it signed and dated by your advisor and the Director of Undergraduate Studies (Professor Ian Aberbach, 201 Mathematical Sciences Building, 882-4898) in the spaces on the previous page. You will then need to make two photocopies of the signed form and make an appointment with an advisor in the Arts & Science Dean's Office (107 Lowry Hall, 882-6411) to turn in your completed area form.