

Department of Mathematics and Statistics
Bachelor of Science in Mathematics (Applied Mathematics)
Major Code: MATH
Concentration Code: AMTH

Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		Freshman Year: Second Semester	
MATH 131 (MLAR)	4	MATH 132 (MLAR)	4
MATH 105	1	Foreign Language ¹ Elective	3
ENGL 100 (WC)	3	ENGL 101 (WC)	3
Foreign Language ¹ Elective	3	MATH 140 ³	3
Global Awareness ² (GA)	3	MATH 106	1
FRST 101 (SS)	1	African Amer. Culture and History ⁴ (AA)	3
Semester Total	15	Semester Total	17
Sophomore Year: First Semester		Sophomore Year: Second Semester	
MATH 231	4	MATH 211	4
SPCH 250 (HFA)	3	PHYS 242 (SR)	3
MATH 240	3	PHYS 252 (SR)	1
PHYS 241 (SR)	3	Social and Behavioral Sciences ⁵ (SBS)	3
PHYS 251 (SR)	1	MATH 224	3
MATH 215	1	Semester Total	14
Semester Total	15		
Junior Year: First Semester		Junior Year: Second Semester	
MATH 320	3	MATH 341	3
MATH 351	3	MATH 340 or MATH 365	3
MATH 377	3	Applications Area Electives ⁶	3
Applications Area Electives ⁶	3	STAT 324	3
Ethical Reasoning Elective ⁷	3	Elective	3
Semester Total	15	Semester Total	15
Senior Year: First Semester		Senior Year: Second Semester	
MATH 432	3	MATH 496	3
Applications Area Electives ⁶	3	Applications Area Electives ⁶	3
Applications Area Electives ⁶	3	Electives	8
Electives	6	Semester Total	14
Semester Total	15		

Total Credit Hours: 120

¹ Two courses of FREN 101, FREN 102; or GERM 101, GERM 102; or SPAN 101, SPAN 102; or RUSS 101, RUSS102 taken in sequence. ² One course from: HIST 130, 206, 207, 216 or 231, or MGMT 221, or PHIL 103 or 201.

³ For students starting in Math 103, Math 104, or Math 110, the programming courses should be replaced with electives in the first year. Then MATH 140 and MATH 240 should be taken prior to MATH 340/365. See the Mathematics Student Handbook for a sample program guide.

⁴ One course from: ENGL 211 or 212, or HIST 103, 106 or 107, or LIBS 202, or MUSI 220.

⁵ One course from: ECON 200 or 201, FCS 135, 181 or 260, FIN 279, HIST 103, 104, 105, 106, 107, 206, 207, 216 or 231, JOMC 240, POLI 110, PSYC 101, SOCI 100 or 200, SSFM 226.

⁶ Must include a total of 15 credit hours taken in one of the applications areas, including but not limited to: Applied and Computational Mathematics, Statistics, Physical Sciences, Engineering and Applied Sciences, Life Sciences, or Business and Economics, and approved by the Applied Mathematics Undergraduate

Program Committee. A list of suggested core courses for each of the applications areas is available from the Department of Mathematics.

⁷One course from: PHIL 104, 201, 263, 315, 316, 317, or 320

MAJOR PROGRAM REQUIREMENTS

A student must earn a C or better grade except one passing grade below C if the student has GPA of at least 2.0 but less than 2.3, or two passing grades below C if the student has GPA of at least 2.3 in the following courses:

MATH 105	MATH 320
MATH 106	MATH 340/365
MATH 131	MATH 341
MATH 132	MATH 351
MATH 140	MATH 377
MATH 211	MATH 432
MATH 215	MATH 496
MATH 224	STAT 324
MATH 231	Applications Area Electives (5)
MATH 240	