The Bachelor of Science in Mathematics
Education Emphasis
Four-Year Plan for Catalog Years 2022 - 2024

THIS IS A SAMPLE PROGRAM. EACH STUDENT SHOULD CONSULT A DEPARTMENT ADVISOR TO PREPARE A PROGRAM THAT FITS THEIR INDIVIDUAL BACKGROUND AND ACADEMIC NEEDS.

Fall Semester		Spring Semester	
Freshman Year			
MATH 122A & B	5	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 110 or ISTA 130[1]	4
GE Core	3	ENGL 102 or 108	3
GE Core	3	GE Core	3
MATH 195M[2]	1	GE Core	3
UNIV 101	1		
Total	**16**	**Total**	**16**
Sophomore Year			
MATH 205	3	MATH 315	3
MATH 223	4	MATH 355	3
MATH 313	3	EDP 301	3
GE Core	3	SERP 400	3
Second Language	4	Second Language	4
Total	**17**	**Total**	**16**
Junior Year			
MATH 330	3	MATH 361	3
MATH 323	3	MATH 406A	4
MATH 396L[4]	1	TLS 435	3
Lab Science[3]	4	Lab Science[3]	4
TLS 416 (or LCEV 408)	3	GE Core	3
Total	**14**	**Total**	**17**
Senior Year			
MATH 404	3	MATH 494C	15
MATH 406B	4		
MATH 407	3		
POL 210[5]	3		
GE Core	3		
UNIV 301	1		
Total	**17**	**Total**	**15**

This degree program requires at least 120 total units, including 42 upper-division units (300-400 level)

[1] CSC 110, ISTA 130, ECE 175, or CHEE 205 are recommended for most math majors. Other courses that can be used are: CSC 120, MIS 301, NSCS 311, and PHYS 305. These latter courses may have additional eligibility criteria.

[2] MATH 195M is an optional one-unit colloquium for new majors. Other programs, including Honors, ASEMS, and more, may require 1 unit colloquia in certain semesters.

[3] BS degree requirements for Mathematics Majors: 1. Laboratory Science: Two of the following lab science courses are required to satisfy requirements: CHEM 141&143, 142&144, 151, 152, 161&163, 162&164, 181, 182; MCB 181R&181L; ECOL 182R&182L; PHYS 141, 161H, 142, 241, 162H, 261H; GEOS 251, 302, 304, 308, 322; HWRS 350; PSIO 201, 202. Note that for courses with separate registration for lecture and lab, BOTH components must be completed. 2. Second Language: Second-semester proficiency in a second language is required for the BS degree. (The Application Course requirement does not apply to Education emphasis students.)

[4] MATH 396L is a 1-unit supplement to 323 and is required for students earning a C or lower in 313. Students who earn a D in 313 must take another proof-based course before 323.

[5] The Constitution Requirement for certification is fulfilled by completing one of: (1) POL 210 at UA; (2) POS 210 at Pima Community College; (3) Equivalent course from another AZ community college; (4) Attaining a passing score on the AEPA AZ and US Constitution exams. Notify the Math Center if POL 210 fills up before your priority registration opens for your final semester before student teaching.

See an academic advisor if you have questions regarding the Mid-Career Writing Assessment requirement.

The Bachelor of Arts in Mathematics
Education Emphasis
Four-Year Plan for Catalog Years 2022 - 2024

THIS IS A SAMPLE PROGRAM. EACH STUDENT SHOULD CONSULT A DEPARTMENT ADVISOR TO PREPARE A PROGRAM THAT FITS THEIR INDIVIDUAL BACKGROUND AND ACADEMIC NEEDS.

Fall Semester		Spring Semester	
Freshman Year			
MATH 122A & B	5	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 110 or ISTA 130[1]	4
GE Core	3	ENGL 102 or 108	3
GE Core	3	GE Core	3
MATH 195M[2]	1	GE Core	3
UNIV 101	1		
Total	**16**	**Total**	**16**
Sophomore Year			
MATH 205	3	MATH 315	3
MATH 223	4	MATH 355	3
MATH 313	3	EDP 301	3
GE Core	3	GE Core	3
Second Language	4	Second Language	4
Total	**17**	**Total**	**16**
Junior Year			
MATH 330	3	MATH 361	3
MATH 323	3	MATH 406A	4
MATH 396L[3]	1	SERP 400	3
TLS 416 (or LCEV 408)	3	TLS 435	3
Second Language	4	Second Language	4
Total	**14**	**Total**	**17**
Senior Year			
MATH 404	3	MATH 494C	15
MATH 406B	4		
MATH 407	3		
POL 210[4]	3		
GE Core	3		
UNIV 301	1		
Total	**17**	**Total**	**15**

This degree program requires at least 120 total units, including 42 upper division units (300-400 level)

[1] CSC 110, ISTA 130, ECE 175, or CHEE 205 are recommended for most math majors. Other courses that can be used are: CSC 120, MIS 301, NSCS 311, and PHYS 305. These latter courses may have additional eligibility criteria.

[2] MATH 195M is an optional one-unit colloquium for new majors. Other programs, including Honors, ASEMS, and more, may require 1 unit colloquia in certain semesters.

[3] MATH 396L is a 1-unit supplement to 323 and is required for students earning a C or lower in 313. Students who earn a D in 313 must take another proof-based course before 323.

[4] The Constitution Requirement for certification is fulfilled by completing one of: (1) POL 210 at UA; (2) POS 210 at Pima Community College; (3) Equivalent course from another AZ community college; (4) Attaining a passing score on the AEPA AZ and US Constitution exams. Notify the Math Center if POL 210 fills up before your priority registration opens for your final semester before student teaching.

NOTES: Fourth semester proficiency in a second language is required for the BA degree.
See an academic advisor if you have questions regarding the Mid-Career Writing Assessment requirement.