The Bachelor of Science in Mathematics
Education Emphasis
Four-Year Plan for Catalog Year 2016

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

Fall Semester		Spring Semester	
Freshman Year			
MATH 122A & B or 125	5/3	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 127A or ISTA 130[3]	4
Tier I INDV (150)	3	ENGL 102 or 108	3
Tier I TRAD (160)	3	Tier I INDV (150)	3
Elective (First Year Colloquium)[1]	1	Tier I TRAD (160)	3
Total	**15/13**	**Total**	**16**
Sophomore Year			
MATH 205	3	MATH 315	3
MATH 223	4	MATH 355	3
MATH 313	3	EDP 301	3
Lab Science[2]	4	Lab Science[2]	4
		SERP 301B	2
Total	**14**	**Total**	**15**
Junior Year			
MATH 330	3	MATH 361	3
MATH 323	3	MATH 406A	4
POL 210[3]	3	Tier II Individuals & Societies	3
Tier II Arts	3	Tier II Humanities	3
TLS 416	3	TLS 435	3
Total	**15**	**Total**	**16**
Senior Year			
MATH 404	3	MATH 494C	15
MATH 406B	4		
MATH 407	3		
Electives	4/6		
Total	**14/16**	**Total**	**15**

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

[1] Honors College Freshmen are required to take a 1 unit honors colloquium in their first semester.

[2] The BS degree in Mathematics is science-intensive. One of the following sequences of science courses is required to satisfy the Tier I General Education requirements: CHEM 151, 152; CHEM 105A,B,106A,B; MCB 181, 181L, ECOL 182R, 182L; PHYS (141 or 161H) & (142 or 241 or 162H); GEOS 251 & (302 or 304); PSIO 201, 202. MATH 313 fulfills the Tier II general education requirement for Natural Science.

[3] The Constitution Requirement for AZ state certification is fulfilled by completing one of the following: (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. POL 210 has had limited availability at UA in recent semesters, so please plan ahead. Students may request to use POL 210 to fulfill the Tier II Individuals & Societies requirement.

[4] These courses are recommended for most math majors. Other courses that can be used are: CSC 227, ECE 175, MIS 301, MSE 350, and PHYS 305. These latter courses may have additional eligibility criteria.

NOTES: Second semester proficiency in a second language is required for the BS degree.
One Tier I or Tier II course may also fulfill the Diversity requirement.
See advisor if you have questions regarding the Mid-Career Writing Assessment requirement.