



# The Bachelor of Science in Mathematics Education Emphasis Four-Year Plan for Catalog Years 2020

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

	<u>Fall Semester</u>		<u>Spring Semester</u>
<b>Freshman Year</b>			
MATH 122A & B or 125	5/3	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 110 or ISTA 130 <sup>3</sup>	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) <sup>1</sup>	1	Tier I TRAD (160)	3
<b>Total</b>	<u>15/13</u>	<b>Total</b>	<u>16</u>
<b>Sophomore Year</b>			
MATH 205	3	MATH 315	3
MATH 223	4	MATH 355	3
MATH 313	3	EDP 301	3
Lab Science <sup>2</sup>	4	Lab Science <sup>2</sup>	4
<b>Total</b>	<u>14</u>	SERP 400	3
		<b>Total</b>	<u>16</u>
<b>Junior Year</b>			
MATH 330	3	MATH 361	3
MATH 323 <sup>5</sup>	3	MATH 406A	4
POL 210 <sup>3</sup>	3	Tier II Individuals & Societies	3
Tier II Arts	3	Tier II Humanities	3
TLS 416/LCEV 408	3	TLS 435	3
<b>Total</b>	<u>15</u>	<b>Total</b>	<u>16</u>
<b>Senior Year</b>			
MATH 404	3	MATH 494C	15
MATH 406B	4		
MATH 407	3		
Electives	4/6		
<b>Total</b>	<u>14/16</u>	<b>Total</b>	<u>15</u>

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

- <sup>1</sup> 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.
- <sup>2</sup> 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 141/143 & 142/144; CHEM 151 & 152; CHEM 161/163 & 162/164; MCB 181R/181L & ECOL 182R/182L; PHYS (141 or 161H) & (142 or 241 or 162H or 261H); GEOS 251 & (302 or 304 or 308 or 322); PSIO 201 & 202.
- <sup>3</sup> 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.
- <sup>4</sup> These courses are recommended for most math majors. Other courses that can be used are: CSC 127A, 120, or 227, ECE 175, MIS 301, MSE 350, and PHYS 305. These latter courses may have additional eligibility criteria.
- <sup>5</sup> If a C or D was earned in MATH 313, then MATH 396L, the Proofs Workshop, is required with MATH 323.

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.