The Bachelor of Science[1] in Mathematics
For Catalog Year 2020

(For the Math Education Emphasis see the specific 4-year plan.)
(For earlier catalogs, see a Math Advisor.)

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 or 125	5/3	MATH 129	3
ENGL 101 or 107 or 109H	3	CSC 110 or ISTA 130[‡]	4
Tier I INDV (150)	3	ENGL 102 or 108	3
Tier I TRAD (160)	3	Tier I INDV (150)	3
MATH 195M[2]	1	Tier I TRAD (160)	3
Total	**15/13**	**Total**	**16**
Sophomore Year			
MATH 223	4	MATH 323	3
MATH 313	3	MATH 355	3
Lab Science[3]	4	Lab Science[3]	4
Tier II Individuals & Societies	3	Tier II Humanities	3
Tier II Arts	3	MATH 396L*	3
Total	**17**	**Total**	**14**
Junior Year			
400-level Math Course[4]	3	400-level Math Course[4]	3
Minor Course[†]	3	Minor Courses[†]	6
Elective Courses	9	Elective Courses	6
Total	**15**	**Total**	**15**
Senior Year			
400-level Math Course[4]	3	400-level Math Course[4]	3
Minor Courses[†]	6	400-level Math Course[4]	3
Elective Course	3	Minor Course	3
400-level Math Course[4] or Elective Course	3	Elective Courses	4/6
Total	**15**	**Total**	**13/15**

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

[1]Application Courses Requirement: For the B.S. degree, students must complete at least 6 <u>units</u> of course work outside the Mathematics Department that require MATH 122B or 125 or a higher mathematics course as a corequisite or prerequisite. See the current official catalog requirements for a list of available courses. This requirement does <u>not</u> apply to the *Math Education emphasis*.

[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] The BS degree in Mathematics is science-intensive. <u>One</u> of the following sequences of science courses is required to satisfy 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.

[4]See a Mathematics Faculty Advisor regarding the scheduling of these courses. Selection of 400-level math courses will depend on the emphasis chosen and course offerings. Contact the Undergraduate Math Center at mcenter@math.arizona.edu if you do not know who your faculty advisor is.

*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.

[†] To declare your minor, contact an advisor from the appropriate department.

[‡] These courses are recommended for most math majors. Other courses that can be used are: CSC 120, 127A, or 227, ECE 175, MIS 301, 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 fulfill the Diversity requirement. See advisor if you have questions regarding the Mid-Career Writing Assessment requirement.