The Bachelor of Science[1] in Mathematics
For Catalog Year 2017

(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 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 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
Elective (First Year Colloquium)[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	Elective	3
Total	**17**	**Total**	**16**
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]		Elective Courses	2/4
or Elective Course	3		
Total	**15**	**Total**	**11/13**

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 units 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 not apply to the *Math Education option*.

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

[3] 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,106A,105B,106B; MCB 181,181L & ECOL 182R, 182L; PHYS 141 & (142 or 241); PHYS 161H & (162H or 261H); GEOS 251 & (302 or 304); PSIO 201, 202. Note: MATH 313 fulfills the Tier II General Education requirement for Natural Science in the B.S.

[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.

† 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 127A or 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 fulfill the Diversity requirement. See advisor if you have questions regarding the Mid-Career Writing Assessment requirement.