



The Bachelor of Science (B.S.) in Mathematics For Catalog Years 2022 - 2024

(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.**

	<u>Fall Semester</u>		<u>Spring Semester</u>
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 223	4	MATH 323	3
MATH 313	3	MATH 355	3
Lab Science ³	4	MATH 396L ⁴	1
Second Language	4	Lab Science ³	4
	Total 15	Second Language	4
		Total 15	
Junior Year			
400-level Math Course ⁵	3	400-level Math Course ⁵	3
Minor Course ⁶	3	Minor Courses ⁶	6
GE Core	3	GE Core	3
GE Core	3	UNIV 301	1
Elective Course	3	Mathematics Application Course ³	3
	Total 15		Total 16
Senior Year			
400-level Math Course ⁵	3	400-level Math Course ⁵	3
Minor Courses ⁶	6	400-level Math Course ⁵	3
Elective Course	3	Minor Course ⁶	3
400-level Math Course ⁵ or Elective Course	3	Elective Courses	3
	Total 15		Total 12

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

¹CSC 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.

²MATH 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.

³BS 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. Application Course: students must complete at least 3 units of course work outside the Mathematics Department that require calculus (or a higher level math 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 emphasis. 3. Second Language: Second-semester proficiency in a second language is required for the BS degree.

⁴MATH 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.

⁵See 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.

⁶To declare your minor, contact an advisor from the appropriate department.

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



The Bachelor of Arts (B.A.) in Mathematics For Catalog Years 2022 - 2024

(For the 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.

	<u>Fall Semester</u>		<u>Spring Semester</u>
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
UNIV 101	1	GE Core	3
MATH 195M ²	1		
Total	16	Total	16
Sophomore Year			
MATH 223	4	MATH 323	3
MATH 313	3	MATH 355	3
Second Language	4	MATH 396L ³	1
GE Core	3	Second Language	4
GE Core	3	GE Core	3
Total	17	Total	14
Junior Year			
400-level Math Course ⁴	3	400-level Math Course ⁴	3
400-level Math Course ⁴	3	Minor Course ⁵	3
Minor Course ⁵	3	Second Language	4
UNIV 301	1	Elective Courses	6
Second Language	4		
Total	14	Total	16
Senior Year			
400-level Math Course ⁴	3	400-level Math Course ⁴	3
Minor Courses ⁵	6	Minor Courses ⁵	6
Elective Courses	6	400-level Math Course ⁴ or Elective Course	3
Total	15	Total	12

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

⁵ To declare your minor, contact an advisor from the appropriate department.

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.