

# The Bachelor of Science<sup>1</sup> in Mathematics For Catalog Years 1998-2011

(For the Math Education Option 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.**

<u>Fall Semester</u>		<u>Spring Semester</u>	
<b>Freshman Year</b>			
MATH 124/125	3/5	MATH 129	3
ENGL 101/103H/107	3	C SC 127A or ISTA 130	4
Tier I INDV	3	ENGL 102/104H/108	3
Tier I TRAD	3	Tier I INDV	3
Elective (First Year Colloquium)	1	Tier I TRAD	3
<b>Total</b>	<b>13/15</b>	<b>Total</b>	<b>16</b>
<b>Sophomore Year</b>			
MATH 215	3	MATH 323	3
MATH 223	4	MATH 355	3
Lab Science <sup>2</sup>	4	Lab Science <sup>2</sup>	4
Tier II INDV	3	Tier II Humanities	3
Tier II Arts	3	Elective Course	3
<b>Total</b>	<b>17</b>	<b>Total</b>	<b>16</b>
<b>Junior Year</b>			
400-level Math Course <sup>3</sup>	3	400-level Math Course <sup>3</sup>	3
Minor Course	3	Minor Courses	6
Elective Courses	9	Elective Courses	6
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>15</b>
<b>Senior Year</b>			
400-level Math Course <sup>3</sup>	3	400-level Math Course <sup>3</sup>	3
Minor Courses	6	400-level Math Course <sup>3</sup>	3
Elective Courses	3	Minor Courses	3
400-level Math Course <sup>3</sup> or Elective Course	3	Elective Courses	2/4
<b>Total</b>	<b>15</b>	<b>Total</b>	<b>11/13</b>

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

<sup>1</sup>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 124 or 125 or a higher mathematics course as a corequisite or prerequisite. Choose courses from the following: CHEM 105A, 105B, 407, 480A, 480B; C SC 345, 422, 433, 436, 437, 445, 453, 460, 473; ECON 332, 361, 411, 421; GEOS 322, 356, 411, 419, 431, 432, 434A, 448; PHYS 131, 132, 141, 142, 161H, 162H, 204, 241, 242; **OR** courses approved by the faculty advisor. The 'Application Courses Requirement' does not apply to the Math Education option.

<sup>2</sup>The BS degree in Mathematics is a science-intensive major. 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; GEOS 251 & (302 or 304); PSIO 201, 202.

Note: MATH 215 fulfills the Tier II General Education requirement for Natural Science.

<sup>3</sup>See a Mathematics Faculty Advisor regarding the scheduling of these courses. Selection of 400-level math courses will depend on the option chosen and course offerings. Contact the Undergraduate Math Center at [mcenter@math.arizona.edu](mailto:mcenter@math.arizona.edu), for assignment to a Faculty Advisor.

Note: One Tier I or Tier II general education course may fulfill the GRCENW requirement (consult w/advisor). See your advisor regarding the Mid-career Writing Assessment requirement.