

# MATHEMATICS, BS

## THREE-YEAR PLAN

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This Sample Three-Year Plan is a tool to assist students and their advisor(s). Students should use it –along with their DARS report, the Degree Planner, and Course Search & Enroll tools – to make their own three-year plan based on their placement scores, credit for transferred courses and approved examinations, and individual interests.

Three-year plans may vary considerably from student to student, depending on their individual preparation and circumstances. Students interested in graduating in three years should meet with an advisor as early as possible to discuss feasibility, appropriate course sequencing, post-graduation plans (careers, graduate school, etc.), and opportunities they might forgo in pursuit of a three-year graduation plan.

### DEPARTMENTAL EXPECTATIONS

Historically, students who have successfully complete a three year undergraduate degree with a major in Mathematics have the following qualifications: a minimum of 29 advanced standing credits, which include completion of the following with either course credit or via placement examination:

- MATH 221 and MATH 222
- Communication Part A
- 3-4 units of foreign language

Therefore the plan below assumes these requirements, but none other. When considering the plan below, students should note the following:

- Advanced standing credits may satisfy Ethnic Studies, Communication Part B, and/or Letters & Science Breadth degree requirements which are listed in the plan. In this case, students should adjust their plan by reorganizing the remaining degree requirements using the following priorities:
  - a. Ethnic Studies and Communication Part B (obligatory in the first year)
  - b. Physical, Biological, and Social Science Breadth (which may be prerequisites for more advanced electives)
  - c. Humanities and Literature.
  - d. Remaining schedule space should be considered electives.
- At least 26 of the non-MATH credits must be at the Intermediate or Advanced level.
- Consider using the elective space in the plan as follows: additional major or certificate, career readiness, graduate school preparation, and other personal interests.

#### First Year

Fall	Credits	Spring	Credits
MATH 234	4	MATH Linear Algebra	3
Ethnic Studies	3	300/400-level MATH <sup>1</sup>	3
Communication B	3	Physical Science Breadth	3
Biological Science Breadth	3	Biological Science Breadth	3

Physical Science Breadth	3	Foreign Language (if needed for the BA) or Elective	3
		<b>16</b>	<b>15</b>

#### Second Year

Fall	Credits	Spring	Credits
300/400-level MATH <sup>1</sup>	3	300/400-level MATH <sup>1</sup>	3
Analysis, Algebra, or Topology	3	Analysis, Algebra, or Topology	3
Literature Breadth	3	Literature Breadth	3
Social Science Breadth	3	Social Science Breadth	3
Elective (Intermediate or Advanced level)	3	Elective (Intermediate or Advanced level)	3
		<b>15</b>	<b>15</b>

#### Third Year

Fall	Credits	Spring	Credits
500/600-level MATH elective	3	Humanities Breadth (Intermediate or Advanced level)	3
Social Science Breadth	3	Social Science Breadth (Intermediate or Advanced level)	3
Humanities Breadth	3	Elective (Intermediate or Advanced level)	9
Elective (Intermediate or Advanced level)	6		
		<b>15</b>	<b>15</b>

#### Total Credits 91

<sup>1</sup> 300/400-level MATH courses are any numbered above 306 excluding MATH 320, MATH 331, MATH 340, MATH 341, MATH 345, MATH 375, and MATH/CURRIC 471.