

# University of Iowa Catalog 2015-2016

## Mathematics, Program C, B.A. and B.S.

**B.S. usually requires two more electives  
in math or the specialization area than B.A.**

Sample Plan of Study, varies depending on specialization

First Year		
Fall Semester		Semester Hours
RHET:1030	Rhetoric (General Education [GE] requirement) <sup>1</sup>	4
MATH:1850	Calculus I (Core Requirement) <sup>2</sup>	4
CSI:1300	College Expectations (required)	2
	Elective <sup>3</sup> or World Language, Elementary I (GE) <sup>4</sup>	3-5
<b>Total Semester Hours</b>		<b>13-15</b>
Spring Semester		
ENGL:1200	Interpretation of Literature (GE)	3
MATH:1860	Calculus II (Core Requirement)	4
	Elective or World Language, Elementary II (GE)	3-5
	Specialization Elective <sup>5</sup>	3
<b>Total Semester Hours</b>		<b>13-15</b>
Second Year		
Fall Semester		
MATH:2850	Calculus III (Core Requirement)	4
MATH:2700	Linear Algebra (Core Requirement)	4
	GE Elective (e.g., Natural Sciences)	3-4
	Elective or World Language, Intermediate I (GE)	3-5
<b>Total Semester Hours</b>		<b>14-17</b>
Spring Semester		
	Specialization Elective	3
MATH	3720 Intro. to Abstract Algebra OR 3770 Fund. Props. Spaces & Funct. (Core Requirement)	4
	GE Elective (e.g., Natural Sciences)	3-4
	Elective or World Language, Intermediate II (GE)	3-5
<b>Total Semester Hours</b>		<b>13-16</b>

### Third Year Fall Semester

	<i>Discuss plan of study with advisor</i>	
MATH	Elective	3
	GE Elective (e.g., Historical Perspectives)	3
	GE Elective (e.g., Values, Society, and Diversity)	3
	Specialization Elective	3
	Elective	3
	<b>Total Semester Hours</b>	<b>15</b>

### Spring Semester

	Specialization Elective	3
MATH	Elective	3
	GE Elective (e.g., Literary, Visual, and Performing Arts)	3
	Elective	3
	Elective	3
	<b>Total Semester Hours</b>	<b>15</b>

### Fourth Year Fall Semester

<b>Required</b>	<b><i>File Program C Plan of Study with Math Department</i></b>	
MATH	Required upper-level MATH course	3
	GE Elective (e.g., International and Global Issues)	3
	GE Elective (e.g., Social Science)	3
	Specialization Elective	3
	Elective	3
	<b>Total Semester Hours</b>	<b>15</b>

### Spring Semester

	Specialization or Math Elective for B.S.	3
	Specialization or Math Elective for B.S.	3
	Elective	3
	Elective	3
	Elective	3
	<b>Total Semester Hours</b>	<b>15</b>
	<b>Total Semester Hours:</b>	<b>113-123</b>

<sup>1</sup>General Education (GE) courses may be completed in any order unless used as a prerequisite for another course. Please talk to an advisor about the best sequencing of courses. <sup>2</sup>Enrollment in chemistry and math courses require completion of placement exams. <sup>3</sup>Students may use their elective courses to complete a double major, minors, or certificates. Students may use their elective courses to complete a double major, minors, or certificates. <sup>4</sup>Students who have completed four years of a single language in high school have satisfied the CLAS GE World Languages requirement. Enrollment in World Languages courses requires a placement exam, unless enrolling in a first-semester level course. <sup>5</sup>Program C specialization courses vary widely from one specialization to another; for example, some specializations require specific courses. Students may use their elective courses to complete a double major, minors, or certificates.