



Name: \_\_\_\_\_

ID: \_\_\_\_\_

## Mathematics, Bachelor of Science

This academic degree map is a term-by-term course schedule designed for you to graduate in four years. The sample schedule below serves as a general guideline to building a full-time schedule for each term. Earning a degree requires that you complete (1) the required General Education courses, (2) the course requirements of your major and (3) any requirements PSU has designated for a Bachelor degree. Courses and special notes are specified to keep you on track to graduate in four years. Where open elective is listed, it means that you may take a course of your choosing, perhaps a course in an area outside of your major, but be sure to discuss this with your advisor.

This map is not a substitute for academic advisement – contact your advisor if you have any questions throughout the term and as you begin planning for the next. The University Catalog is also available as a resource with a complete list of requirements for all degrees offered at PSU.

### Recommended 4-years to graduation plan

Code	Semester 1 - FRESHMAN YEAR	Credit	NOTES
MATH 150	Calculus I (SGE) <sup>030</sup>	5	
DSIS 230	Introduction to Programming	3	
Bucket 050	Social & Behavioral Science (SGE) <sup>050</sup>	3	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
UGS 150	Gorilla Gateway (SGE) <sup>070</sup>	2	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
ENGL 101	English Composition (SGE) <sup>010</sup>	3	C or Better
MATH 155	Calculus II	5	
MATH 212	Matrix Algebra	2	
Bucket 040	Natural & Physical Sciences (SGE) <sup>040</sup>	5	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 3 - SOPHOMORE YEAR	Credit	
COMM 207	Speech Communication (SGE) <sup>020</sup>	3	
MATH 253	Calculus III	3	
MATH 413	Introduction to Mathematical Thought	3	
Bucket 050	Social & Behavioral Science (SGE) <sup>050</sup>	3	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 4 - SOPHOMORE YEAR	Credit	
ENGL 299	Intro to Research Writing (SGE) <sup>010</sup>	3	C or Better
MATH 513	Discrete Structures	3	
MATH 553	Differential Equations	3	
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	3	
100+	Minor Course	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 5 - JUNIOR YEAR	Credit	
MATH 543	Probability and Statistics	3	
MATH 557	Introduction to Analysis	3	
300+	MATH Elective Above 253	3	
300+	Minor Course	3	
300+	Minor Course	3	
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	1	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

	Semester 6 - JUNIOR YEAR	Credit	
300+	MATH Elective Above 253	3	
300+	MATH Elective Above 253	3	
300+	Minor Course	3	
300+	Minor Course	3	
300+	Minor Course	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 7 - SENIOR YEAR	Credit	
MATH 613	Abstract Algebra	3	
100+	Open Elective	3	
100+	Open Elective	3	
100+	Open Elective	3	
100+	Open Elective	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 8 - SENIOR YEAR	Credit	
MATH 617	Linear Algebra	3	
MATH 699	Senior Seminar	1	
100+	Open Elective	3	
100+	Open Elective	3	
100+	Open Elective	3	
<b>TOTAL CREDIT HOURS</b>		<b>13</b>	

Writing to Learn: Typically one from general education and one in major coursework.

#### Systemwide General Education (SGE) Key

- |                                 |                                  |
|---------------------------------|----------------------------------|
| 010 English                     | 050 Social & Behavioral Sciences |
| 020 Communications              | 060 Arts & Humanities            |
| 030 Math & Statistics           | 070 Institutionally Designated   |
| 040 Natural & Physical Sciences |                                  |