



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

## Computer Science, 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
ENGL 101	English Composition (SGE) <sup>010</sup>	3	C or Better
EET 141	Introductory Electronics	3	
Bucket 050	Social & Behavioral Science (SGE) <sup>050</sup>	3	
MATH 122	Plane Trigonometry	3	
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	1	
UGS 150	Gorilla Gateway (SGE) <sup>070</sup>	2	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

Code	Semester 2 - FRESHMAN YEAR	Credit	NOTES
Bucket 030	Mathematics & Statistics (SGE) <sup>030</sup>	3	
MATH 212	Matrix Algebra	3	
DSIS 230	Introduction to Programming	3	
Bucket 040	Natural & Physical Sciences (SGE) <sup>040</sup>	4	
Bucket 060	Arts & Humanities (SGE) <sup>060</sup>	3	
<b>TOTAL CREDIT HOURS</b>		<b>16</b>	

	Semester 3 - SOPHOMORE YEAR	Credit	
COMM 207	Speech Communication (SGE) <sup>020</sup>	3	
DSIS 240	Intermediate Programming	3	
DSIS 380	Systems Analysis & Design	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
EET 244	Logic Circuits	3	
MATH 326	Mathematics for Programming	3	
Bucket 070	Institutionally Designated (SGE) <sup>070</sup>	3	
CS 405	Principles of Software Architecture	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 5 - JUNIOR YEAR	Credit	
MATH 413	Intro to Mathematical Thought	3	
300+	Computer Science Elective	3	
300+	Computer Science Elective	3	
300+	Open Elective	3	
100+	Open Elective	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 6 - JUNIOR YEAR	Credit	
300+	Computer Science Elective	3	
DSIS 615	Database Management	3	
300+	Open Elective	3	
300+	Computer Science Elective	3	
100+	Open Elective	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 7 - SENIOR YEAR	Credit	
MATH 626	Data Structures & Algorithms	3	
300+	Computer Science Elective	3	
300+	Computer Science Elective	3	
100+	Open Elective	3	
100+	Open Elective	3	
<b>TOTAL CREDIT HOURS</b>		<b>15</b>	

	Semester 8 - SENIOR YEAR	Credit	
300+	Computer Science Elective	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>	

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   |