

## Providence College - Computer Science B.S.

Class of 2029

Core Requirements		Credits
Development of Western Civilization (4)		16
Ethics	3	
Philosophy	3	
Fine Arts	3	
Quantitative Reasoning	<i>MTH course (3 or 4)</i>	
Natural Science	3	
Social Science	3	
Theology 200 Level	3	
Theology 300 Level	3	
Intensive Writing I Proficiency	3	
Intensive Writing II Proficiency	3	
Oral Communication Proficiency	3	
Diversity Proficiency	3	
Civic Engagement Proficiency	3	
Free Electives		

Major Requirements		Credits
<b>CSC 100</b> - First Year Computer Science Seminar		1
<b>CSC 103</b> - Introduction to Computer Science		4
<b>CSC 104</b> - Software Development		4
<b>CSC 244</b> - Theory of Computation		4
<b>CSC 225</b> - Data Structures		4
<b>CSC 325</b> - Algorithms		4
<b>CSC 387</b> - Computer Architecture		4
<b>MTH 117 or 290</b> -Discrete Math. or Foundations		3
<b>MTH 110 or MTH 132</b> Calculus II or Calculus and Analytical Geo II		3 or 4
<b>MTH 109 or 131</b> - Calculus I or Calculus and Analytical Geo I		3 or 4
<b>MTH Elective</b>		3 or 4
<b>CSC Elective - Systems</b>		3
<b>CSC Elective - Application</b>		3
<b>CSC Elective - Topics (3)</b>		9

### Graduation Requirements / Degree Notes

- Students at Providence College must complete 120 credits, which includes both their core and major requirements.
- Students at PC need a minimum GPA of 2.0 to graduate.
- Currently, CSC majors fulfill the Quantitative Reasoning Core.
- Students at PC need a minimum GPA of 2.0 to graduate.

FRESHMAN YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
DWC 101	Development of Western Civilization I	4	DWC 102	Development of Western Civilization II	4
CSC 103	Introduction to Computer Science w/ Lab	4	CS4 104	Software Development w/ Lab	4
MTH 109 or 131	Calculus I or Calc & Analytical Geometry I <b>(Quantitative Reasoning)</b>	<b>3 or 4</b>	MTH 215	MTH Elective (Math 215 or higher)	<b>3 or 4</b>
CSC 100	First Year Computer Science Seminar	1	MTH 117 or 290	Discrete Math or Foundations	3
	<i>CORE or Elective</i>	3			
TOTAL		<b>15 or 16</b>	TOTAL		<b>14 or 15 29 or 31</b>

SOPHOMORE YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
DWC 201	Development of Western Civilization III	4	DWC 202	Development of Western Civilization IV	4
CSC 225	Data Structures w/ Lab	4	CSC 325	Algorithms w/ Lab	4
CSC 244	Theory of Computation w/ Lab	4	CSC 387	Computer Architecture w/ Lab	4
	<i>FREE ELECTIVE</i>	3	MTH 110 or 132	Calculus II or Calculus and Analytical Geo.II	3
	<i>CORE</i>	3		<i>CORE</i>	3
TOTAL		<b>18</b>	TOTAL		<b>18 36</b>

JUNIOR YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
	CSC Applications Elective	3		CSC Topics Elective	3
	<i>FREE ELECTIVE</i>	3		<i>FREE ELECTIVE</i>	3
	<i>CORE</i>	3		<i>CORE</i>	3
	<i>CORE</i>	3		<i>CORE</i>	3
	<i>CORE</i>	3		<i>CORE</i>	3
TOTAL		<b>15</b>	TOTAL		<b>15 30</b>

SENIOR YEAR					
FALL			SPRING		
Course #	Class	Credits	Course #	Class	Credits
	CSC Systems Elective	3		CSC Topics Elective	3
	<i>CORE</i>	3		<i>CSC Topics Elective</i>	3
	<i>CORE</i>	3		<i>FREE ELECTIVE</i>	3
	<i>FREE ELECTIVE</i>	3		<i>FREE ELECTIVE</i>	3
	<i>FREE ELECTIVE</i>	3		<i>FREE ELECTIVE</i>	3
TOTAL		<b>15</b>			<b>15 30</b>
<b>TOTAL PROGRAM OF STUDY CREDITS</b>					<b>125-127</b>