## 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	MTH course (3 or 4)			
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
CSC 100 - First Year Computer Science Seminar	1
CSC 103 - Introduction to Computer Science	4
CSC 104 - Software Development	4
CSC 244 - Theory of Computation	4
CSC 225 - Data Structures	4
CSC 325 - Algorithims	4
CSC 387 - Computer Architecture	4
MTH 117 or 290 - Discrete Math. or Foundations	3
MTH 110 or MTH 132 Calculus II or Calculus and Analycial Geo II	3 or 4
MTH 109 or 131 - Calculus I or Calculus and Analycial Geo I	3 or 4
MTH Elective	3 or 4
CSC Elective - Systems	3
CSC Elective - Application	3
CSC Elective - Topics (3)	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.

		FRESH	IMAN YEA
	FALL		
Course #	Class	Credits	C
DWC 101	Development of Western Civilization I	4	D
CSC 103	Introduction to Computer Science w/ Lab	4	(
MTH 100 or 121	Calculus I or Calc & Analytical Geometry I	2 01 4	
WIH 109 01 131	(Quantitative Reasoning)	Credits   on I 4   // Lab 4   hetry I 3 or 4   inar 1   3 15 or 16	IV
CSC 100	First Year Computer Science Seminar	1	MTH
	CORE or Elective	3	
TOTAL		15 <b>or</b> 16	

N	IYEAR			
		SPRING		
	Course #	Class	Credits	Total Year Credits
	DWC 102	Development of Western Civilization II	4	
	CS4 104	Software Development w/ Lab	4	
	MTH 215	MTH Elective (Math 215 or higher)	3 <b>or</b> 4	
	MTH 117 or 290	Discrete Math or Foundations	3	
	TOTAL		14 <b>or</b> 15	29 <b>or</b> 31

	SOPHOMORE YEAR						
	FALL				SPRING		
Course #	Class	Credits		Course #	Class	Credits	Total Year 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	Algorithims w/ Lab	4	
CSC 244	Theory of Computation w/ Lab	4		CSC 387	Computer Architecture w/ Lab	4	
	FREE ELECTIVE	3		MTH 110 or 132	Calculus II or Calculus and Analytical Geo.II	3	
	CORE	3			CORE	3	
TOTAL		18		TOTAL		18	36

	JUNIOR YEAR							
	FALL			SPRING				
Course #	Class	Credits	Course #	Class	Credits	Total Year Credits		
	CSC Applications Elective	3		CSC Topics Elective	3			
	FREE ELECTIVE	3		FREE ELECTIVE	3			
	CORE	3		CORE	3			
	CORE	3		CORE	3			
	CORE	3		CORE	3			
TOTAL		15	TOTAL		15	30		

	SENIOR YEAR							
	FALL SPRING							
	Course #	Class	Credits		Course #	Class	Credits	Total Year Credits
		CSC Systems Elective	3			CSC Topics Elective	3	
		CORE	3			CSC Topics Elective	3	
		CORE	3			FREE ELECTIVE	3	
		FREE ELECTIVE	3			FREE ELECTIVE	3	
		FREE ELECTIVE	3			FREE ELECTIVE	3	
Γ	TOTAL		15				15	30
-						TOTAL PROGRAM OF STUDY CREDITS		125-127