

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
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 - Algorithms	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 Analytical Geo II	3 or 4
MTH 109 or 131 - Calculus I or Calculus and Analytical 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.

FRESHMAN YEAR							
FALL			SPRING				
Course #	Class	Credits		Course #	Class	Credits	Total Year 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 <i>or</i> 131	Calculus I <i>or</i> Calc & Analytical Geometry I (Quantitative Reasoning)	3 <i>or</i> 4		MTH 215	MTH Elective (Math 215 or higher)	3 <i>or</i> 4	
CSC 100	First Year Computer Science Seminar	1		MTH 117 <i>or</i> 290	Discrete Math <i>or</i> Foundations	3	
	CORE <i>or</i> Elective	3					
TOTAL		15 <i>or</i> 16		TOTAL		14 <i>or</i> 15	29 <i>or</i> 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	Algorithms 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	
TOTAL		15			15	30
TOTAL PROGRAM OF STUDY CREDITS						125-127