

**CALIFORNIA UNIVERSITY
OF PENNSYLVANIA**

Program: BS Computer Information Systems

Start: Spring (January) Start

Total Credits: 120

Year 1

	Credits
Spring I	
CIS 110 Introduction to Information Systems	3
CIS 120 Application Programming I	3
General Education/Math/Electives (as needed)	9
	15
Summer I	
General Education/Math/Electives (as needed)	15
	15
Fall I	
CIS 220 Application Programming II	3
CIS 352 Global, Economic and Social Ethical Issues in Computing	3
General Education/Math/Electives (as needed)	9
	15
Total Credits (Year 1)	45

Year 2

Spring II	
CIS 321 Data Base Management Systems & Design	3
CIS 341 CISCO CCNA 1	3
CIS 299 Systems Analysis I	3
General Education/Math/Electives (as needed)	6
	15
Summer II	
CIS 330 Web Programming I	3
CIS 354 Systems Project Management	3
General Education/Math/Electives (as needed)	9
	15
Fall II	
CIS 302 Visual Programming	3
CIS 322 Database Application Development	3
CIS 332 Web Programming II	3
CIS 490 Systems Analysis II	3
General Education/Math/Electives (as needed)	3
	15
Total Credits (Year 2)	45

Year 3

Spring III	
CIS 304 COBOL	3
CIS 401 Concepts in Enterprise Resource Planning	3
CIS 325 Decision Support Systems	3
CIS 492 Systems Development and Implementation	3
General Education/Math/Electives (as needed)	3
	15
Summer III	
General Education/Math/Electives (as needed)	15
	15
Total Credits (Year 3)	30
Total Credits	120