

## Major in Computer Science

Suggested 4 year plan

Individualized programs are available as well as an emphasis on science track.

<b>Freshman</b>			<b><u>Fall Semester</u></b>			<b><u>Spring Semester</u></b>		
Number	Course Name	Cr.	Number	Course Name	Cr.			
CS110	Introduction to CS & Java	4	CS120	Data Structures & Program Design	4			
MA131	Calculus of Single Variables OR: MA121	4	MAxxx	Elective (or MA122 if took MA121 in fall)	3			
ENWR102	College Composition	4	CO101	Basic Communication	3			
LAS101	Alpha Seminar	3	TH101	Theological Foundations	3			
		15	ARTxxx	CORE (such as Fine Arts)	3			
					16			
<b>Sophomore</b>								
CS201	Web Design	3	CS202	Web Development	3			
CS230	Software Engineering (Writing Intensive)	4	CS309	Computer Architecture	4			
SSxxx	CORE (Social Science)	3	EC203	Project Management (or Social Science CORE)	3			
CO206	Small Group Communication (Fall odd-numbered years or May term)	3	ENLTxx	CORE (such as Literature)	3			
PHILxxx	CORE (such as Philosophy)	3	Hixxx	CORE (such as History)	3			
		16			16			
<b>Junior</b>								
CS310	Database Design & Implement	4	CS311	Database Project	4			
CS330	Computer Networking	4	CS331	Computer Networking II	4			
MA328	Discrete Mathematics	3	PHYSxx	CORE (Natural Science with lab)	4			
ENWR305	Technical Writing (Writing Intensive) or ENWR301 Business Writing (WI)	3	GDxxx	CORE (such as Global Diversity)	3			
THxxx	CORE (such as Theology)	3			15			
		17						
<b>Senior</b>								
CS410	Operating Systems	3	CS 430	Senior Project	4			
CS403	Modern Cryptography OR CS189 Graphical Information Systems OR EC203 Project Management	4	CS421	Computer & Network Security	4			
PHILxxx	CORE (such as Philosophy)	3	CS495	Computer Science Seminar	3			
NDxxx	CORE (such as National Diversity)	3	XXXxxx	Elective	3			
XXxxx	Elective	3			14			
		16			16			

The "CORE" refers to the required college courses that give a person a well-rounded liberal arts experience.

Note: EC203 counts as a Social Science CORE class.

(Latest revision: March 2007)