

## **Bachelor of Science in Computer Science Four-Year Degree Plan**

This is offered as a guide for academic planning and includes courses required for the Computer Science degree. Note: Semester schedules are subject to change, and courses listed below serve as a recommendation only. The Area refers to the check-sheet's areas.

Year 1				~			•
Course		Hours		Course		Hours	
Composition I	ENGL 1101	3	А	Composition II	ENGL 1102	3	Α
Pre-Calculus	MATH 1113	3	А	Academic Inquiry	INQR 1000	1	В
Public Speaking	COMM 1110	3	В	Calculus I	MATH 2011	4	D
US History	HIST 2111/2	3	E	Am. Government	POLS 1101	3	Е
Area E elective		3	E	Programming I	CSCI 1301	4	F
	Total Hours	15		Wellness Activity		1	
					Total Hours	16	
Year 2							
Course		Hours	Area	Course		Hours	Area
Humanities elective		3	С	Humanities elective		3	С
Calculus II	MATH 2012	4	F	Social Science elective		3	E
Programming II	CSCI 1302	3	F	Ethics in CS	CSCI 2700	2	F
Network & Cybr Security	CYBR 2600	4	F	Elementary Statistics	MATH 1401	3	CS
Wellness	WELL 1000	2		Data Structures	CSCI 3400	3	CS
	Total Hours	16		Wellness Activity		1	
	Total Hours	10					
	Total Hours	10			Total Hours	15	
Year 3	Total Hours	-			Total Hours		
Course		Hours	Area	Course	Total Hours	15 Hours	Area
	PHYS/CHEM/BIOL	-	Area D		Total Hours PHYS/CHEM/BIOL		Area D
Course		Hours		Course		Hours	Area D CS
Course 1 <sup>st</sup> Science Elective	PHYS/CHEM/BIOL CSCI 3030	Hours 4	D	Course 2 <sup>nd</sup> Science Elective	PHYS/CHEM/BIOL	Hours 4	D
Course 1 <sup>st</sup> Science Elective Math Structures	PHYS/CHEM/BIOL CSCI 3030	Hours 4 3	D CS	Course 2 <sup>nd</sup> Science Elective Theory of Computation	PHYS/CHEM/BIOL CSCI 3500	Hours 4 3	D CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170	<b>Hours</b> 4 3 3	D CS CS	Course 2 <sup>nd</sup> Science Elective Theory of Computation Database Systems	PHYS/CHEM/BIOL CSCI 3500	<b>Hours</b> 4 3 3	D CS CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170	<b>Hours</b> 4 3 3 3	D CS CS	Course2nd Science ElectiveTheory of ComputationDatabase SystemsMath Elective from list	PHYS/CHEM/BIOL CSCI 3500	<b>Hours</b> 4 3 3 3	D CS CS CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371	<b>Hours</b> 4 3 3 3 16	D CS CS CS	Course 2 <sup>nd</sup> Science Elective Theory of Computation Database Systems Math Elective from list General Elective	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410	<b>Hours</b> 4 3 3 3 16	D CS CS CS CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program General Elective Year 4 Course	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371 Total Hours	<b>Hours</b> 4 3 3 3 3 3	D CS CS CS Area	Course 2 <sup>nd</sup> Science Elective Theory of Computation Database Systems Math Elective from list General Elective Course	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410 Total Hours	<b>Hours</b> 4 3 3 3 3 3	D CS CS CS CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program General Elective Year 4	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371	Hours           4           3           3           16           Hours           3	D CS CS CS Area CS	Course 2 <sup>nd</sup> Science Elective Theory of Computation Database Systems Math Elective from list General Elective	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410	<b>Hours</b> 4 3 3 3 16	D CS CS CS CS Area CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program General Elective Year 4 Course Software Engineering Operating Systems	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371 Total Hours	Hours 4 3 3 3 16 Hours 3 3 3	D CS CS CS Area CS CS	Course2nd Science ElectiveTheory of ComputationDatabase SystemsMath Elective from listGeneral ElectiveCourseCapstone ProjectCS Elective	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410 Total Hours CSCI 4712 CSCI	Hours           4           3           3           3           16           Hours           4           3	D CS CS CS CS Area CS CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program General Elective Year 4 Course Software Engineering	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371 Total Hours CSCI 4711	Hours 4 3 3 3 16 Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	D CS CS CS Area CS	Course2nd Science ElectiveTheory of ComputationDatabase SystemsMath Elective from listGeneral ElectiveCourseCapstone Project	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410 Total Hours	Hours           4           3           3           3           16           Hours           4           3           3           3           3           3           3	D CS CS CS CS Area CS
Course 1 <sup>st</sup> Science Elective Math Structures Computer Organization Low-Level Program General Elective Year 4 Course Software Engineering Operating Systems	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371 Total Hours CSCI 4711 CSCI 3271	Hours 4 3 3 3 16 Hours 3 3 3	D CS CS CS Area CS CS	Course2nd Science ElectiveTheory of ComputationDatabase SystemsMath Elective from listGeneral ElectiveCourseCapstone ProjectCS Elective	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410 Total Hours CSCI 4712 CSCI	Hours           4           3           3           3           16           Hours           4           3	D CS CS CS CS Area CS CS
Course 1st Science Elective Math Structures Computer Organization Low-Level Program General Elective Year 4 Course Software Engineering Operating Systems CS Elective	PHYS/CHEM/BIOL CSCI 3030 CSCI 3170 CSCI 3371 Total Hours CSCI 4711 CSCI 3271	Hours 4 3 3 3 16 Hours 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	D CS CS CS Area CS CS	Course         2nd Science Elective         Theory of Computation         Database Systems         Math Elective from list         General Elective         Course         Capstone Project         CS Elective         CS Elective	PHYS/CHEM/BIOL CSCI 3500 CSCI 3410 Total Hours CSCI 4712 CSCI	Hours           4           3           3           3           16           Hours           4           3           3           3           3           3           3	D CS CS CS CS Area CS CS