

Bachelor of Science in COMPUTER SCIENCE

with

Name: _____

Custom

2022-2023

Fall Semester

Spring Semester

FRESHMAN YEAR

			Credits	Sem	Grade
CSCI	135	Fund. of Computer Science I	3	_____	_____
CSCI	194	Freshman Seminar	1	_____	_____
M	171	Calculus I	3	_____	_____
WRIT	121	Intro to Technical Writing**	3	_____	_____
--	--	<i>Humanities Elective</i>	--	--	--
			3	_____	_____
--	--	<i>Social Science Elective</i>	--	--	--
			3	_____	_____
Total Credits			16		

			Credits	Sem	Grade
CSCI	136	Fund. of Computer Science II	3	_____	_____
COMX	230	Presenting Technical Inf.**	3	_____	_____
M	172	Calculus II	3	_____	_____
CSCI	210	Web Programming	3	_____	_____
--	--	<i>Science Elective*</i>	--	--	--
			4	_____	_____
Total Credits			16		

SOPHOMORE YEAR

CSCI	232	Data Struct & Algorithms	3	_____	_____
CSCI	246	Discrete Structures	3	_____	_____
M	273	Multivariable Calculus	4	_____	_____
--	--	<i>Science Elective*</i>	--	--	--
			4	_____	_____
Total Credits			14		

CSCI	332	Design and Analysis of Algor	3	_____	_____
M	274	Intro. to Differential Equations	3	_____	_____
M	333	Linear Alegbra	3	_____	_____
--	--	<i>Social Science Elective</i>	--	--	--
			3	_____	_____
CSCI	255	Intro. To Embedded Systems	3	_____	_____
Total Credits			15		

JUNIOR YEAR

CSCI	305	Concepts of Prog. Languages	3	_____	_____
ESOF	322	Software Engineering	3	_____	_____
★STAT	332	Stats for Scientists & Engin	3	_____	_____
CSCI	347	Data Mining	3	_____	_____
--	--	<i>Professional or Free Elective***</i>	--	--	--
			3	_____	_____
Total Credits			15		

CSCI	361	Computer Architecture	3	_____	_____
ESOF	376	Engr. Secure Software	3	_____	_____
M	410	Numerical Computing**	3	_____	_____
CSCI	440	Advanced Database	3	_____	_____
--	--	<i>Humanities Elective</i>	--	--	--
			3	_____	_____
Total Credits			15		

SENIOR YEAR

CSCI	446	Artificial Intelligence	3	_____	_____
CSCI	466	Networks	3	_____	_____
CSCI	498	Internship**	2	_____	_____
WRIT	321W	Advanced Technical Writing**	3	_____	_____
--	--	<i>Professional or Free Elective***</i>	--	--	--
			3	_____	_____
Total Credits			14		

CSCI	438	Theory of Computation	3	_____	_____
CSCI	460	Operating Systems	3	_____	_____
CSCI	470	Web Science	3	_____	_____
CSCI	494	Senior Seminar	1	_____	_____
CSCI	498	Internship **	2	_____	_____
--	--	<i>Professional or Free Elective**</i>	--	--	--
			3	_____	_____
Total Credits			15		

Minimum credits for B.S. degree in Computer Science = 120

Total Credits on Worksheet: 120

Credits Completed: 0

*Science electives must include a two semesters of laboratory science (min. of 6 credits total), unless taking the PHSX 234, 235/236 sequence

Free electives must be added so that the number of credits of science and free electives sum to 8.

**WRIT 101 College Writing I can replace WRIT 121 Intro to Technical Writing.

COMX 111 Intro. to Public Speaking can replace COMX 230.

CSCI 486 Senior Project can replace CSCI 498 internship

WRIT 325W Writing in the Sciences or WRIT 322W Advanced Business Writing can replace WRIT 321W

M 426 Mathematical Modeling can replace M 410 Numerical Computing

***Students may elect to pursue a 9-credit Computer Science degree focus area (reverse side) with free electives.

CUSTOM FOCUS AREA

Professional Electives --- Junior and Senior Years
9 Credits

Custom					
<i>Junior Year</i>			<u>Fall</u>	<u>Spring</u>	<u>Sem/Gr</u>
PGM	Number	Title	3		
<i>Senior</i>					
PGM	Number	Title	3		
PGM	Number	Title		3	

Work with your advisor to select 9 credits of courses