

Bachelor of Arts Computational Mathematics (2021-2023)

Student name: _____

Major courses

14 courses; 34 credits must be from SU
Must earn a C- or better in all major courses.

Course	Course Name	Grade	Credit
CSC54-184	Computer Science I	_____	_____
CSC54-284	Computer Science II	_____	_____
CSC54-384	Discrete Mathematics	_____	_____
CSC54-394	Computer Organization	_____	_____
CSC54-454	Algorithms	_____	_____
MAT52-164	Modern Calculus I	_____	_____
MAT52-264	Modern Calculus II	_____	_____
MAT52-364	Modern Calculus III	_____	_____
MAT52-674	Linear Algebra	_____	_____
MAT52-754	Differential Equations	_____	_____
<i>Select two courses from the following:</i>			
_____	_____	_____	_____
_____	_____	_____	_____
CSC54-414	Operations Research		
CSC54-514	Database Management		
CSC54-524	Introduction to Numerical Analysis		
MAT52-574	Probability and Mathematical Studies		
<i>Select one additional approved upper level course in Math or Computer Science*:</i>			
_____	_____	_____	_____
*Any 3 or 4 credit CSC or MAT course at or above the 300 level will serve as an approved course. PHY53-454 Math Methods in Physical Science II may also be taken as an approved, upper level course.			
<i>Select one of the following Capstone options:</i>			
_____	_____	_____	_____
MAT52-894	Senior Seminar in Math Modeling		
CSC54-894	Senior Seminar in Software Engineering		

Total number of credits counting in the major (minimum 30 credits required): _____

General Education Requirements

		Grade	Credit
<i>Part I</i>			
UST05-014/214	First Year or Advanced Entry Seminar	_____	_____
_____	Semester #1 of Foreign Language:	_____	_____
_____	Semester #2 of Foreign Language:	_____	_____
_____	Semester #3 of Foreign Language:	_____	_____
_____	Social Justice course:	_____	_____
_____	Fitness/Recreational Activity course #1:	_____	_____
_____	Fitness/Recreational Activity course #2: (must be different from FRA topic #1)	_____	_____
<i>Part II</i>			
<i>Exploration and Breadth - 6 courses</i>			
CSC54-XXX and MAT52-XXX courses cannot be used to satisfy E&B requirements. Additionally, any other course contributing to Computational Mathematics which is used to satisfy a major requirement cannot be used in the E&B section.			
*Public Speaking, College Writing & Creative Writing courses cannot count in E&B.			
		Grade	Credit
_____	Take one Humanities course:	_____	_____
_____	Take one Natural Science course:	_____	_____

