# Bachelor of Science
# Computer Science (2021-2023)

**Student name:**

## Major Courses

10 courses; 24 credits must be from SU

| 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 | _____ | _____ |
| CSC54-474 | Programming Languages | _____ | _____ |
| CSC54-644 | Computer Systems | _____ | _____ |
| CSC54-894 | Senior Seminar in Software Engineering | _____ | _____ |
| *Select two additional approved upper level CSC courses:* | | | |
| _____ | _____ | _____ | _____ |
| _____ | _____ | _____ | _____ |

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

## Required Supporting Courses:

Courses in this section are not counted in the 30 credit minimum for the major.
Courses in this section may be used in the Exploration and Breadth section.

| Course | Course Name | Grade | Credit |
|---|---|---|---|
| CHE51-103/101 | General Chemistry I/Chemical Methods & Techniques I | _____ | _____ |
| MAT52-164 | Modern Calculus I | _____ | _____ |
| MAT52-264 | Modern Calculus II | _____ | _____ |
| MAT52-674 | Linear Algebra | _____ | _____ |
| PHY53-154 | Fundamentals of Physics I | _____ | _____ |

*Choose one Introductory Biology course from the following:*

_____   _____   _____

| | | | |
|---|---|---|---|
| BIO50-123/121 | Living Systems/Investigation Into Living Systems | | |
| BIO50-133-131 | Molecular & Population Genetics/Investigation Into Genetics | | |

*Choose one additional course from the following:*

_____   _____   _____

| | |
|---|---|
| BIO50-123/121 | Living Systems/Investigation Into Living Systems** |
| BIO50-133-131 | Molecular & Population Genetics/Investigation Into Genetics** |
| CHE51-203/201 | General Chemistry II/Chemical Methods & Techniques II |
| MAT52-114 | Introduction to Statistics |
| PHY53-164 | Fundamentals of Physics II |
| PHY53-404 | Electronics |
| PHY53-454 | Math Methods in Physical Science |
| **OR** | Approved Upper level CSC or MAT course (sub form required) |

**The same course cannot be used to satisfy more than one area within the required supporting course section.

Total number of credits from required supporting courses: _____

## General Education Requirements

| | | Grade | Credit |
|---|---|---|---|
| *Part 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) | _____ | _____ |

*Part II*
*Exploration and Breadth - 6 courses*

CSC54-XXX courses cannot be used to satisfy E&B requirements. Additionally, any other course contributing to Computer Science 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: | | |
| | Take one Social Science course: | | |
| | Take one Fine Arts course: | | |

Take one additional course from two of the four areas listed above.  Neither course may come from the department (3 digit prefix) used in the four areas above.  EX:  If you took PSY33-104 Principles of Psychology as a social science, you may not select another PSY course in the below section.

| | | **Grade** | **Credit** |
|---|---|---|---|
| | Course #1: | | |
| | Course #2: | | |

Total number of credits counting only in the Gen Ed section (30 credit minimum required):

## University electives

| | | Grade | Credit |
|---|---|---|---|
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Total number of university electives/minor credits:

Total number of credits from a minor (use minor template to determine correct credit count). Enter credit amount here:
    *Minors are optional.

Total number of earned credits counting in major, general education and university elective/minor areas:

## University Graduation Requirements:
Students must earn a minimum of 127 earned credits to earn a Bachelor's degree; a minimum of 157 credits is required for dual degrees.
Cumulative GPA must be greater than a 2.0.
Major/Area of Concentration must have a GPA > 2.0.
All grades in a major/minor/core/required supporting courses/certification areas must be a C- or higher . Some majors/minors require higher grades.
At least 64 credits must be completed at Southwestern.
No more than 56 credits may be earned from any 5 digit prefix (except Art, Education and Theatre majors). See catalog for full rules.
60% of Major courses must be completed at Southwestern.
Majors must have a minimum of 30 credits.
General Education area must have a minimum of 30 credits.
No transfer credits taken outside of SU in final 32 credit hours without approval from the Registrar's Office (except for an approved Study Abroad program).
A limit of 1 FRA may be taken as a university elective and counted towards graduation requirements. Any additional FRA's, taken as a university elective, will be deducted from total earned credit.