Take one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT52-154</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT52-164</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Take one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT52-254</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT52-254</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Take one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT52-354</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT52-364</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Take the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC54-184</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-284</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-384</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-394</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-454</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT52-674</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT52-754</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select two courses from the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSC54-414</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-514</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-524</td>
<td></td>
<td></td>
</tr>
<tr>
<td>MAT52-574</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Select one additional approved upper level course in Math or Computer Science*:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

*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.

Select one of the following:

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
<tbody>
<tr>
<td>MAT52-894</td>
<td></td>
<td></td>
</tr>
<tr>
<td>CSC54-894</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

Major Field Test

University Electives and/or optional minor(s):

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade</th>
<th>Credit</th>
</tr>
</thead>
</table>

BACHELOR OF ARTS

Computational Mathematics Major Courses 2019-2021
14 courses; Minimum 30 credits required; 34 credits must be from SU
## General Education Requirements

At least 30 total credits required; minimum 3 credits per requirement.

### General Education - Part I

*Take one of the following first semester seminars:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Name</th>
</tr>
</thead>
<tbody>
<tr>
<td>UST05-014</td>
<td>First Year Seminar</td>
</tr>
<tr>
<td>UST05-214</td>
<td>Advanced Entry Seminar</td>
</tr>
</tbody>
</table>

**Foreign Language (three semesters of the same language)**


**Social Justice Course (may double count with any requirement):**


**Two Fitness/Recreational Activity courses (must be different topics):**


### General Education - Part II: Exploration & Breadth (6 total courses)

CSC54-XXX and MAT52-XXX courses cannot be used to satisfy E&B requirements. Additionally, PHY53-454, if taken to satisfy a major requirement, may not be used in the E&B section.

Select one course from each of the following areas:

**Humanities:**


**Natural Sciences:**


**Social Sciences:**


**Fine Arts:**


Select one additional course from TWO of the four areas: Humanities, Natural Science, Social Science and Fine Arts. Neither course may come from the department (3 digit prefix) used above. EX: If you took PSY33-104 Principles of Psychology as a social science, you may not select another PSY33-XXX course to apply in this section.


*Public Speaking, College Writing and Creative Writing courses may not count in E&B.

### University Graduation Requirements:

- Minimum of 127 credits:
- Cumulative GPA > 2.0
- GPA > 2.0 for Major and/or Areas of Concentration
- All grades C- or higher in major/minor/core?
- At least 64 credits completed at Southwestern
- No more than 56 credits of any 5 digit prefix
- Major credits completed (min 30 required)
- 60% of Major courses completed at Southwestern (34cr)
- Gen Ed has minimum of 30 credits

### Minor (optional):

- Minimum 18 credits
- Minimum of 12 credits taken at Southwestern
- Minimum 2.0 minor courses CGPA

### Other:

- Degree Audit Completed (Due one year before grad date)
- Grad Application Submitted (Due start of final semester)
- Approved to be part time in last semester?