The Bachelor of Science in Computer Science

Total Course Requirements for the Bachelor's Degree: 120 units

See Bachelor's Degree Requirements in the University Catalog for complete details on general degree requirements. A minimum of 40 units, including those required for the major, must be upper division.

A suggested Major Academic Plan (MAP) has been prepared to help students meet all graduation requirements within four years. You can view MAPs on the Degree MAPs page in the University Catalog or you can request a plan from your major advisor.

General Education Pathway Requirements: 48 units

See General Education in the University Catalog and the Class Schedule for the most current information on General Education Pathway Requirements and course offerings.

This major has approved GE modification(s). See below for information on how to apply these modification(s).

- CSCI 217 is an approved major course substitution for Critical Thinking (A3).
- MATH 120 is an approved advanced course substitution for Quantitative Reasoning (A4).
- PHYS 204A is an approved advanced course substitution for Physical Sciences (B1).
- CSCI 551 is an approved major course substitution for Upper-Division Natural Sciences.
- CSCI 301 is an approved major course substitution for Upper Division Social Sciences.
- CSCI 301 is also an approved GE Capstone substitution.

Diversity Course Requirements: 6 units

See Diversity Requirements in the University Catalog. Most courses taken to satisfy these requirements may also apply to General Education.

Literacy Requirement:

See Mathematics and Writing Requirements in the University Catalog. Writing proficiency in the major is a graduation requirement and may be demonstrated through satisfactory completion of a course in your major which has been designated as the Writing Proficiency (WP) course for the semester in which you take the course. Students who earn below a C- are required to repeat the course and earn a C- or higher to receive WP credit. See the Class Schedule for the designated WP courses for each semester. You must pass ENGL 130I or JOUR 130I (or equivalent) with a C- or higher before you may register for a WP course.
Course Requirements for the Major: **90 87 units**

Completion of the following courses, or their approved transfer equivalents, is required of all candidates for this degree.

**Enrollment in any mathematics course requires a grade of C- or higher in all prerequisite courses or their transfer equivalents.**

**Lower-Division Requirements: 33 units**

9 8 courses required:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Mode</th>
<th>GE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CINS 110</td>
<td>Introductory Web Programming</td>
<td>3.0</td>
<td>FA</td>
<td></td>
</tr>
<tr>
<td>CSCI 111</td>
<td>Programming and Algorithms I</td>
<td>4.0</td>
<td>FS</td>
<td></td>
</tr>
<tr>
<td>CSCI 211</td>
<td>Programming and Algorithms II</td>
<td>4.0</td>
<td>FS</td>
<td></td>
</tr>
<tr>
<td>CSCI 217</td>
<td>Foundations of Computing</td>
<td>3.0</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>EECE 237</td>
<td>Embedded Systems Development</td>
<td>3.0</td>
<td>FA</td>
<td></td>
</tr>
<tr>
<td>MATH 120</td>
<td>Analytic Geometry and Calculus</td>
<td>4.0</td>
<td>FS</td>
<td>GE</td>
</tr>
<tr>
<td>MATH 121</td>
<td>Analytic Geometry and Calculus</td>
<td>4.0</td>
<td>FS</td>
<td></td>
</tr>
<tr>
<td>NSCI 102</td>
<td>Introduction to Living Systems</td>
<td>3.0</td>
<td>FS</td>
<td>GE</td>
</tr>
</tbody>
</table>

This course is also offered as BIOL 102.

PHYS 204A  Physics for Students of Science and Engineering: Mechanics  4.0  FS  GE

PHYS 204B  Physics for Students of Science and Engineering: Electricity and Magnetism  4.0  FS

1 course selected from:

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Units</th>
<th>Mode</th>
<th>GE</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 217</td>
<td>Foundations of Computing</td>
<td>3.0</td>
<td>SP</td>
<td></td>
</tr>
<tr>
<td>MATH 217</td>
<td>Discrete Mathematical Structures</td>
<td>3.0</td>
<td>FA</td>
<td></td>
</tr>
</tbody>
</table>

Prerequisites: CSCI 111 with a grade of C- or higher, MATH 109 or MATH 120.
Upper-Division Requirements: 57 54 units

16 15 courses required:

CINS 370  Introduction to Databases 3.0 SP
Prerequisites: CSCI 211 with a grade of C- or higher.
CINS 448  Computer Security 3.0 FS
Prerequisites: Any upper-division computer networking course.
CINS 465  Web Programming Fundamentals 3.0 FA
Prerequisites: CINS 370 with a grade of C- or higher.
CSCI 301  Computer's Impact on Society 3.0 FS WP
Prerequisites: ENGL 130I or JOUR 130I (or equivalent) with a grade of C- or higher; Junior standing.
CSCI 311  Algorithms and Data Structures 4.0 FS
Prerequisites: CSCI 211 with a grade of C- or higher, CSCI 217 or MATH 217 recommended.
CSCI 340  Operating Systems 4.0 FS
Prerequisites: Grade of C- or better in CSCI 311.
CSCI 430  Software Engineering 3.0 FA
Prerequisites: CSCI 311 for CSCI/CINS/APCG majors or EECE 237 for Engineering majors with a grade of C- or higher.
CSCI 431  Software Engineering Tools 3.0 SP
Prerequisite: CSCI 430 with a grade of C- or higher.
CSCI 446  Introduction to Computer Networks and Network Management 3.0 FS
Prerequisites: CSCI 111 and either CINS 220 or CSCI 221 or EECE 237 (all with a C- or higher for CSCI/CINS majors).
CSCI 490  Computer Science Capstone 3.0 FS
Prerequisites: Grade of C- or better in CSCI 311, Senior standing.
CSCI 515  Compiler Design 3.0 SP
Prerequisites: CSCI 311 with a grade of C- or higher.
CSCI 550  Theory of Computing 3.0 FA
Prerequisites: CSCI 217 or MATH 217, CSCI 311, both with a grade of C- or better.
CSCI 551  Numerical Methods and Parallel Programming 4.0 SP
Prerequisites: CSCI 311 with a grade of C- or higher.
CSCI 580  Artificial Intelligence 3.0 FA
Prerequisites: CSCI 217 or MATH 217; CSCI 311; both with a grade of C- or higher.
EECE 320  System Architecture and Performance 3.0 FA
Prerequisites: CSCI 217 or MATH 217, CSCI 221 or EECE 337.
MATH 314  Probability and Statistics for Science and Technology  4.0  SP
Prerequisites: MATH 121.

5 units selected from:
Select upper-division Computer Science (CSCI) or Computer Information Systems (CINS) courses, or EECE 555, and/or upper-division Math courses that meet a requirement for the Minor in Mathematics. A maximum of 3 units may be taken for credit/no credit grading.

Additional Computer Science Graduation Requirement:
Graduating seniors must complete an exit exam as a requirement for graduation. Passing the exam is not required for the degree; the scores will be used for program assessment. Consult the department office for examination details.

Grading Requirement:
All courses taken to fulfill major course requirements must be taken for a letter grade except those courses specified by the department as Credit/No Credit grading only.

A grade of C- or better is required in all computer science (CSCI) and Computer Information Systems (CINS) courses used for the major.

Advising Requirement:
Advising is mandatory for all majors in this degree program. Consult your undergraduate advisor for specific information.

Honors in the Major:
Honors in the Major is a program of independent work in your major. It requires 6 units of honors course work completed over two semesters.

The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or academic competition. Such experience is valuable for graduate school and professional life. Your honors work will be recognized at your graduation, on your permanent transcripts, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are:
1. You must take 6 units of Honors in the Major course work. All 6 units are honors classes (marked by a suffix of H), and at least 3 of these units are independent study (399H, 499H, 599H) as specified by your department. You must complete each class with a minimum grade of B.

2. You must have completed 9 units of upper-division course work or 21 overall units in your major before you can be admitted to Honors in the Major. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.

3. Your cumulative GPA should be at least 3.5 or within the top 5% of majors in your department.

4. Your GPA in your major should be at least 3.5 or within the top 5% of majors in your department.

5. Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the 6 units of course work over the two semesters of their senior year.

6. Your honors work culminates with a public presentation of your honors project.

While Honors in the Major is part of the Honors Program, each department administers its own program. Please contact your major department or major advisor to apply.

**Honors in Computer Science**

In addition to the common requirements for the Honors in the Major program given above, the Honors in Computer Science program includes the following:

1. You must be recommended by a faculty member.

2. Students who are admitted to the department’s Honors in the Major program must complete 3 units of CINS 548H, CSCI 465H, CSCI 511H, CSCI 515H, CSCI 540H, CSCI 547H, CSCI 550H, CSCI 566H, CSCI 567H, CSCI 568H, CSCI 569H, CSCI 580H, or CSCI 583H, with a minimum grade of B. Unless other arrangements are made, the professor instructing the course you take becomes your faculty mentor. It is during this time that you must define a research problem or performance area and develop an Honors Research Project/Thesis proposal in preparation for work in CSCI 499H. You must also maintain a minimum GPA of 3.0 in your senior year.

3. Each Honors in the Major class requires completion of the course plus an additional Honors project and culminates with a public presentation of your Honors project.

**Blended BS + MS (BMS) in Computer Science**

Qualified students majoring in Computer Science may apply for the Blended BS + MS (BMS) program in Computer Science, allowing them to earn credit towards the MS at the same time they are completing the BS. See the catalog section on the BMS in Computer Science following the description of the MS in Computer Science.
Minor Change to an Undergraduate Program

Program Name: BS in Computer Science

Complete only if applicable

Program named above is:

☐ Option within ____________________________
(degree program name)

☐ Advising Pattern within ____________________________
(option name)

within ____________________________
(degree program name)

☐ Minor

☐ Certificate

☐ Changes being made affect a subject matter preparation or credential program.

Brief rationale for change:
Remove one upper division requirement and add one lower division requirement. This change will better prepare students for success in developing for an increasingly web-based application environment. Amended 9/15/15 - Replace 'CSCI 217' with 'CSCI 217 or MATH 217

Does the proposed change enhance or support the Diversity Action Plan (see definition & Task 3.1)? Yes

If yes, please explain.

Required Signatures

The Department of Computer Science has reviewed and approves this program change

Chair, Department Curriculum Committee

Date 9/16/15

Department Chair

Date 9/16/15

The College of Curriculum Committee has reviewed and approves this program change

Chair, College Curriculum Committee

Date 9/18/2015

College Dean

Date 9/19/15

Send signature page with proposal attached to Curriculum Services at Academic Affairs, zip 110

AA Technical Review Completed

Date
The Bachelor of Science in Computer Science

Total Course Requirements for the Bachelor's Degree: 120 units

See Bachelor's Degree Requirements in the University Catalog for complete details on general degree requirements. A minimum of 40 units, including those required for the major, must be upper division.

A suggested Major Academic Plan (MAP) has been prepared to help students meet all graduation requirements within four years. You can view MAPs on the Degree MAPs page in the University Catalog or you can request a plan from your major advisor.

General Education Pathway Requirements: 48 units

See General Education in the University Catalog and the Class Schedule for the most current information on General Education Pathway Requirements and course offerings.

This major has approved GE modification(s). See below for information on how to apply these modification(s).

- CSCI 217 is an approved major course substitution for Critical Thinking (A3).
- MATH 120 is an approved advanced course substitution for Quantitative Reasoning (A4).
- PHYS 204A is an approved advanced course substitution for Physical Sciences (B1).
- CSCI 551 is an approved major course substitution for Upper-Division Natural Sciences
- CSCI 301 is an approved major course substitution for Upper Division Social Sciences.
- CSCI 301 is also an approved GE Capstone substitution.

Diversity Course Requirements: 6 units

See Diversity Requirements in the University Catalog. Most courses taken to satisfy these requirements may also apply to General Education.

Literacy Requirement:

See Mathematics and Writing Requirements in the University Catalog. Writing proficiency in the major is a graduation requirement and may be demonstrated through satisfactory completion of a course in your major which has been designated as the Writing Proficiency (WP) course for the semester in which you take the course. Students who earn below a C- are required to repeat the course and earn a C- or higher to receive WP credit. See the Class Schedule for the designated WP courses for each semester. You must pass ENGL 130I or JOUR 130I (or equivalent) with a C- or higher before you may register for a WP course.

Course Requirements for the Major: 90 units

Completion of the following courses, or their approved transfer equivalents, is required of all candidates for this degree.

Enrollment in any mathematics course requires a grade of C- or higher in all prerequisite courses or their transfer equivalents.

Lower-Division Requirements: 33 units

9 courses required:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Units</th>
<th>Term</th>
</tr>
</thead>
<tbody>
<tr>
<td>CINS 110</td>
<td>Introductory Web Programming</td>
<td>3.0</td>
<td>FA</td>
</tr>
<tr>
<td>CSCI 111</td>
<td>Programming and Algorithms I</td>
<td>4.0</td>
<td>FS</td>
</tr>
<tr>
<td>CSCI 211</td>
<td>Programming and Algorithms II</td>
<td>4.0</td>
<td>FS</td>
</tr>
<tr>
<td>CSCI 217</td>
<td>Foundations of Computing</td>
<td>3.0</td>
<td>SP</td>
</tr>
</tbody>
</table>

Prerequisites: At least one year of high school algebra and strong computer skills or CSCI 101.

Prerequisites: CSCI 111 with a grade of C- or higher.
11/9/2014  The Bachelor of Science in Computer Science -- Computer Science -- University Catalog -- CSU, Chico

Prerequisite: CSCI 111 with a grade of C- or higher; MATH 119 or MATH 120.

EECE 237  Embedded Systems Development  3.0  FA

Prerequisite: CSCI 111.

MATH 120  Analytic Geometry and Calculus  4.0  FS  GE
Prerequisites: Completion of ELM requirement; both MATH 118 and MATH 119 (or high school equivalent); a score that meets department guidelines on a department administered calculus readiness exam.

MATH 121  Analytic Geometry and Calculus  4.0  FS
Prerequisites: MATH 120.

NSCI 102  Introduction to Living Systems  3.0  FS  GE

PHYS 204A  Physics for Students of Science and Engineering: Mechanics  4.0  FS  GE
Prerequisites: High school physics or faculty permission. Concurrent enrollment in or prior completion of MATH 121 (second semester of calculus) or equivalent.

PHYS 204B  Physics for Students of Science and Engineering: Electricity and Magnetism  4.0  FS
Prerequisites: MATH 121, PHYS 204A with a grade of C- or higher.

*1 Select 1 course (see below)  54

Upper-Division Requirements: 57 units

15 16 courses required:

CINS 370  Introduction to Databases  3.0  SP
Prerequisites: CSCI 211 with a grade of C- or higher.

CINS 448  Computer Security  3.0  FS
Prerequisites: Any upper-division computer networking course.

CINS 465  Web Programming Fundamentals  3.0  FA
Prerequisites: CINS 370 with a grade of C- or higher.

CSCI 301  Computer's Impact on Society  3.0  FS  WP
Prerequisites: ENGL 130 or JOUR 130 (or equivalent) with a grade of C- or higher; Junior standing.

CSCI 311  Algorithms and Data Structures  4.0  FS
Prerequisites: CSCI 211 with a grade of C- or higher, CSCI 217 or MATH 217 recommended.

CSCI 340  Operating Systems  4.0  SP
Prerequisites: Grade of C- or better in CSCI 311.

CSCI 430  Software Engineering  3.0  FA
Prerequisites: CSCI 311 for CSCI/CINS/APCG majors or EECE 237 for Engineering majors with a grade of C- or higher.

CSCI 431  Software Engineering Tools  3.0  SP
Prerequisites: CSCI 430 with a grade of C- or higher.

CSCI 446  Introduction to Computer Networks and Network Management  3.0  FS
Prerequisites: CSCI 111 and either CINS 220 or CSCI 221 or EECE 237 (all with a C- or higher for CSCI/CINS majors).

CSCI 490  Computer Science Capstone  3.0  FS
Prerequisites: Grade of C- or better in CSCI 311, Senior standing.

CSCI 515  Compiler Design  3.0  SP
Prerequisites: CSCI 311 with a grade of C- or higher.

CSCI 550  Theory of Computing  3.0  FA
Prerequisites: CSCI 217 or MATH 217, CSCI 311, both with a grade of C- or better.

http://catalog.csuchico.edu/viewer/14/CSCI/CSCINONEBS.html
CSCI 551  Numerical Methods and Parallel Programming  4.0  SP

Prerequisites: CSCI 311 with a grade of C- or higher.

CSCI 580  Artificial Intelligence  3.0  FA

Prerequisites: CSCI 217 or MATH 217; CSCI 311; both with a grade of C- or higher.

EECE 320  System Architecture and Performance  3.0  FA

Prerequisites: CSCI 217 or MATH 217, CSCI 221 or EECE 337.

MATH 314  Probability and Statistics for Science and Technology  4.0  SP

Prerequisites: MATH 121.

5 units selected from:

Select upper-division Computer Science (CSCI) or Computer Information Systems (CINS) courses, or EECE 555, and/or upper-division Math courses that meet a requirement for the Minor in Mathematics. A maximum of 3 units may be taken for credit/no credit grading.

Additional Computer Science Graduation Requirement:

Graduating seniors must complete an exit exam as a requirement for graduation. Passing the exam is not required for the degree; the scores will be used for program assessment. Consult the department office for examination details.

Grading Requirement:

All courses taken to fulfill major course requirements must be taken for a letter grade except those courses specified by the department as Credit/No Credit grading only.

A grade of C- or better is required in all computer science (CSCI) and Computer Information Systems (CINS) courses used for the major.

Advising Requirement:

Advising is mandatory for all majors in this degree program. Consult your undergraduate advisor for specific information.

Honors in the Major:

Honors in the Major is a program of independent work in your major. It requires 6 units of honors course work completed over two semesters.

The Honors in the Major program allows you to work closely with a faculty mentor in your area of interest on an original performance or research project. This year-long collaboration allows you to work in your field at a professional level and culminates in a public presentation of your work. Students sometimes take their projects beyond the University for submission in professional journals, presentation at conferences, or academic competition. Such experience is valuable for graduate school and professional life. Your honors work will be recognized at your graduation, on your permanent transcripts, and on your diploma. It is often accompanied by letters of commendation from your mentor in the department or the department chair.

Some common features of Honors in the Major program are:

1. You must take 6 units of Honors in the Major course work. All 6 units are honors classes (marked by a suffix of H), and at least 3 of these units are independent study (399H, 499H, 599H) as specified by your department. You must complete each class with a minimum grade of B.
2. You must have completed 9 units of upper-division course work or 21 overall units in your major before you can be admitted to Honors in the Major. Check the requirements for your major carefully, as there may be specific courses that must be included in these units.
3. Your cumulative GPA should be at least 3.5 or within the top 5% of majors in your department.
4. Your GPA in your major should be at least 3.5 or within the top 5% of majors in your department.
5. Most students apply for or are invited to participate in Honors in the Major during the second semester of their junior year. Then they complete the 6 units of course work over the two semesters of their senior year.
6. Your honors work culminates with a public presentation of your honors project.

While Honors in the Major is part of the Honors Program, each department administers its own
Honors in Computer Science

In addition to the common requirements for the Honors in the Major program given above, the Honors in Computer Science program includes the following:

1. You must be recommended by a faculty member.
2. Students who are admitted to the department's Honors in the Major program must complete 3 units of CINS 548H, CSCI 465H, CSCI 511H, CSCI 515H, CSCI 540H, CSCI 547H, CSCI 550H, CSCI 566H, CSCI 567H, CSCI 568H, CSCI 569H, or CSCI 583H, with a minimum grade of B. Unless other arrangements are made, the professor instructing the course you take becomes your faculty mentor. It is during this time that you must define a research problem or performance area and develop an Honors Research Project/Thesis proposal in preparation for work in CSCI 499H. You must also maintain a minimum GPA of 3.0 in your senior year.
3. Each Honors in the Major class requires completion of the course plus an additional Honors project and culminates with a public presentation of your Honors project.

Blended BS + MS (BMS) in Computer Science

Qualified students majoring in Computer Science may apply for the Blended BS + MS (BMS) program in Computer Science, allowing them to earn credit towards the MS at the same time they are completing the BS. See the catalog section on the BMS in Computer Science following the description of the MS in Computer Science.

*1
1 course selected from:
CSCI 217 Foundations of Computing 3.0 SP
Prerequisites: CSCI 111 with a grade of C- or higher, MATH 109 or MATH 120.
MATH 217 Discrete Mathematical Structures 3.0 FA
Prerequisites: Completion of ELM, MATH 119 (or equivalent), CSCI 111.

# Computer Science Major Academic Plan (MAP)

<table>
<thead>
<tr>
<th>First Semester</th>
<th>Second Semester</th>
<th>Total Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 111 [*C-] 4</td>
<td>CSCI 217 (SP) or MATH 217 3</td>
<td>14</td>
</tr>
<tr>
<td>MATH 120 (GE A4) [*C-] 4</td>
<td>MATH 121 4</td>
<td></td>
</tr>
<tr>
<td>GE Area A [*C-] 3</td>
<td>NSCI 102 (GE Area B2) 3</td>
<td></td>
</tr>
<tr>
<td>GE Area A [*C-] 3</td>
<td>HIST 130 or POLS 155 3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Units:</strong> 14</td>
<td><strong>Total Units:</strong> 13</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Third Semester</th>
<th>Fourth Semester</th>
<th>Total Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>EECE 237 (FA) 3</td>
<td>CSCI 211 [*C-] 4</td>
<td>16</td>
</tr>
<tr>
<td>PHYS 204A (GE B1) [*C-] 4</td>
<td>PHYS 204B 4</td>
<td></td>
</tr>
<tr>
<td>GE Area C 3</td>
<td>GE Area C 3</td>
<td></td>
</tr>
<tr>
<td>GE Area D 3</td>
<td>GE Area D 3</td>
<td></td>
</tr>
<tr>
<td>HIST 130 or POLS 155 3</td>
<td>GE Area E 3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Units:</strong> 16</td>
<td><strong>Total Units:</strong> 17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Fifth Semester</th>
<th>Sixth Semester</th>
<th>Total Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CSCI 301 (WP) [*C-] 3</td>
<td>CINS 370 (SP) [*C-] 3</td>
<td>13</td>
</tr>
<tr>
<td>CSCI 311 [*C-] 4</td>
<td>CINS 448 [*C-] 3</td>
<td></td>
</tr>
<tr>
<td>CSCI 446 3</td>
<td>CSCI 340 (SP) [*C-] 4</td>
<td></td>
</tr>
<tr>
<td>EECE 320 (FA) 3</td>
<td>CSCI 515 (SP) [*C-] 3</td>
<td></td>
</tr>
<tr>
<td>CINS 110 3</td>
<td>MATH 314 (SP) 4</td>
<td></td>
</tr>
<tr>
<td><strong>Total Units:</strong> 16</td>
<td><strong>Total Units:</strong> 17</td>
<td></td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Seventh Semester</th>
<th>Eighth Semester</th>
<th>Total Units</th>
</tr>
</thead>
<tbody>
<tr>
<td>CINS 465 (FA) [*C-] 3</td>
<td>CSCI 431 (SP) [*C-] 3</td>
<td>13</td>
</tr>
<tr>
<td>CSCI 430 (FA) [*C-] 3</td>
<td>CSCI 490 [*C-] 3</td>
<td></td>
</tr>
<tr>
<td>CSCI 550 (FA) [*C-] 3</td>
<td>CSCI 551 (SP) [*C-] 4</td>
<td></td>
</tr>
<tr>
<td>CSCI 580 (FA) [*C-] 3</td>
<td>CSCI/CINS Selection [*CSCI/CINS] [*C-] 3</td>
<td></td>
</tr>
<tr>
<td>CSCI/CINS Selection [*C-] 1</td>
<td>GE UD Pathway or UD-C 3</td>
<td></td>
</tr>
<tr>
<td><strong>Total Units:</strong> 14</td>
<td><strong>Total Units:</strong> 16</td>
<td></td>
</tr>
</tbody>
</table>

(Consult the 2014-2015 University Catalog for official degree program)

Approved: 05/31/2014

**Comments**

[*C-] C- or Better is required.

[CSCI/CINS] Select 5 units of upper-division Computer Science (CSCI) or Computer Information Systems (CINS) courses, and/or upper-division Math courses that meet a requirement for the Minor in Mathematics. A maximum of 3 units may be taken for credit/no credit grading.

**Notes**

Transfer Students: Review your Degree Progress Report (DPR) in your Student Center, meet with your Major Department Advisor for major coursework, and meet with an Academic Advisor in SSC 220 to review General Education (including Writing Intensive "WI" and Capstone "C") and Graduation requirements.

It is recommended that you meet with your major advisor early in your academic career and every semester.

Complete a minimum of 4 Writing Intensive (WI) courses—one will be met by your Written Communication Course and one by your Capstone Course; select 2 additional WI courses.

Select a GE Capstone Course in your Upper-Division Pathway, or substitute an approved Major Capstone course from the GE Capstone Requirement.

Consider meeting the United States Diversity and Global Cultures requirements within GE courses.

Select any Upper-Division Pathway. Select 2 courses from the same Pathway; one course from the Humanities Discipline and the other from the Social Science Discipline.

Apply to graduate one year before anticipated graduation date.