

Computer Science, B.S. (120 Units)

Valid for Catalog Years: 2018/2019 to 2020/2021

*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the
CSM Advising and Resources Center
at 559-278-4150, Science I 136
Department of Computer Science:
559-278-4373, Science II C255

| | Freshman | | Sophomore | | Junior | | Senior | |
|--------------------------|---|---|---|---|--|---|--|--|
| | Fall | Spring | Fall | Spring | Fall | Spring | Fall | Spring |
| Units | 14 | 15 | 15-16 | 18-20 | 13-18 | 15 | 15 | 15-17 |
| Milestones | | | | | | | | |
| General Education | A1 (3 Units) Oral Communication *Must pass with a C or better | A2 (3 Units) Written Communication *Must pass with a C or better | C1 (3-4 Units) Arts | B2 (3-4 Units) Life Sciences | C2 (3-4 Units) Humanities | D1 (3 Units) American History | D3 (3 Units) Social Science | IC (3-4 Units) Arts & Humanities |
| | A3 (3 Units) Critical Thinking *Must pass with a C or better; CSCI 1 recommended | | | C1/C2 (3-4 Units) Arts or Humanities | | D2 (3 Units) American Government | E1 (3 Units) Lifelong Understanding & Self Development | ID (3-4 Units) Social, Political, & Economic Institutions |
| | | | | | | | IB (3 Units) Physical Universe & Its Life Forms *See footnote | |
| Major | GE Area B4 MATH 75 (4 Units) Quantitative Reasoning [Prerequisites: Mathematics placement category I or II, and calculus placement according to department standards.] | CSCI 41 (4 Units) [Pre-Req: CSCI 40] | GE Area B1 & B3 PHYS 2A or PHYS 4A & 4AL (4 Units) Physical Sciences & Lab *See course catalog for prerequisite requirements | CSCI 112 (4 Units) [Pre-Req: CSCI 41, 60] | CSCI 113 (4 Units) [Pre-Req: CSCI 112] | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | CSCI 198 (3 Units) [Senior standing or instructor permission and approved subject] or Additional course in one of the approved sequences (3 Units) *See course catalog for details |

Computer Science, B.S. (120 Units)
Valid for Catalog Years: 2018/2019 to 2020/2021
*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the
CSM Advising and Resources Center
at 559-278-4150, Science I 136
Department of Computer Science:
559-278-4373, Science II C255

| | Freshman | | Sophomore | | Junior | | Senior | |
|---|--|---|---|---|--|--|--|--|
| | Fall | Spring | Fall | Spring | Fall | Spring | Fall | Spring |
| Units | 14 | 15 | 15-16 | 18-20 | 13-18 | 15 | 15 | 15-17 |
| Major | CSCI 40 (4 Units) [Co-requisite: Math 75] | CSCI 60 (4 Units) [Pre-Req: CSCI 40 (may be taken concurrently)] | CSCI 117 (4 Units) [Pre-Req: CSCI 41, 60] | CSCI 115 (4 Units) [Pre-Req: CSCI 41, 60; MATH 75] | CSCI 144 (3 Units) [Pre-Req: CSCI 41; CSCI 112 or ECE 118] | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details |
| | | | MATH 76 (4 Units) [Pre-Req: MATH 75 or MATH 75A & B] | CSCI 119 (4 Units) [Pre-Req: CSCI 41, 60] | PHYS 2B or PHYS 4B & 4BL (4 Units) *See course catalog for prerequisite requirements | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | |
| Additional Graduation Requirements | | | | | UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better) | | | MI (3 Units) Multicultural/ International |

FOOTNOTES:

Prerequisites/Corequisites: Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

Grade Requirements: All courses taken to fulfill major course requirements must be taken for a letter grade. All courses required as prerequisites for a course must be completed with a grade of C or better before registration will be permitted.

Upper Division Writing Skills requirement (UDWS): All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."

GE Area IB : Students allowed take upper-division GE in home department. Recommended students take CSci 100 (3 Units) to fulfill GE Area IB

Substitutions: If substitutions/exceptions/waivers are made for any major courses that also meet GE and/or the Multicultural/International graduation requirement, the student is responsible for completing additional courses to satisfy the respective areas (GE and/or MI). This also includes the upperdivision writing requirement.

Computer Science, B.S. (120 Units)

Valid for Catalog Years: 2015/2016 to 2017/2018

*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the **CSM Advising and Resources Center** at 559-278-4150, Science I 136
Department of Computer Science: 559-278-4373, Science II C255

| Units | Freshman | | Sophomore | | Junior | | Senior | |
|-------------------|--|---|---|--|--|---|---|--|
| | Fall | Spring | Fall | Spring | Fall | Spring | Fall | Spring |
| | 14 | 15 | 15-16 | 18-20 | 13-18 | 15 | 15 | 15-17 |
| General Education | A1 (3 Units) Oral Communication *Must pass with a C or better | A2 (3 Units) Written Communication *Must pass with a C or better | C1 (3-4 Units) Arts | B2 (3-4 Units) Life Sciences | C2 (3-4 Units) Humanities | D1 (3 Units) American History | D3 (3 Units) Social Science | IC (3-4 Units) Arts & Humanities |
| | A3 (3 Units) Critical Thinking *Must pass with a C or better; CSCI 1 recommended | | | C1/C2 (3-4 Units) Arts or Humanities | | D2 (3 Units) American Government | E1 (3 Units) Lifelong Understanding & Self Development | ID (3-4 Units) Social, Political, & Economic Institutions |
| | | | | | | | IB (3 Units) Physical Universe & Its Life Forms | MI (3 Units) Multicultural/International |
| Major | GE Area B4 MATH 75 (4 Units) Quantitative Reasoning [Pre-Req: Elementary geometry, intermediate algebra, & trigonometry OR precalculus. Passing score on department's Calculus Readiness Test; ELM] | CSCI 41 (4 Units) [Pre-Req: CSCI 40] | GE Area B1 & B3 PHYS 2A or PHYS 4A & 4AL (4 Units) Physical Sciences & Lab *See course catalog for prerequisite requirements | CSCI 112 (4 Units) [Pre-Req: CSCI 41, 60] | CSCI 113 (4 Units) [Pre-Req: CSCI 41] | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | CSCI 198 (3 Units) [Senior standing or instructor permission and approved subject] or Additional course in one of the approved sequences (3 Units) *See course catalog for details |
| | CSCI 40 (4 Units) [Pre-Req: ELM or College Intermediate Algebra (C or better); trigonometry] | CSCI 60 (4 Units) [Pre-Req: CSCI 40 (may be taken concurrently)] | CSCI 117 (4 Units) [Pre-Req: CSCI 41, 60] | CSCI 115 (4 Units) [Pre-Req: CSCI 41, 60; MATH 75] | CSCI 144 (3 Units) [Pre-Req: CSCI 41; CSCI 112 or ECE 118] | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details |

Computer Science, B.S. (120 Units)

Valid for Catalog Years: 2015/2016 to 2017/2018

*Official planning guide approved by the College of Science & Math

For assistance or to schedule an advising appointment, please contact the **CSM Advising and Resources Center** at 559-278-4150, Science I 136
Department of Computer Science: 559-278-4373, Science II C255

| | Freshman | | Sophomore | | Junior | | Senior | |
|------------------|-----------|--|---|--|--|---|-----------|--------------|
| | Fall | Spring | Fall | Spring | Fall | Spring | Fall | Spring |
| Units | 14 | 15 | 15-16 | 18-20 | 13-18 | 15 | 15 | 15-17 |
| Major | | MATH 76 (4 Units) [Pre-Req: MATH 75 or MATH 75A & B] | CSCI 119 (4 Units) [Pre-Req: CSCI 41, 60] | PHYS 2B or PHYS 4B & 4BL (4 Units) *See course catalog for prerequisite requirements | CSCI Elective (3 Units) *See course catalog for details | CSCI Elective (3 Units) *See course catalog for details | | |
| Electives | | | | | UDWS (0-4 Units) *Upper Division Writing Exam OR "W" Course (must pass with a C or better) | | | |

FOOTNOTES:

Prerequisites/Corequisites: Other restrictions may apply. Please see your course catalog for detailed prerequisite/corequisite requirements.

Grade Requirements: All courses taken to fulfill major course requirements must be taken for a letter grade. All courses required as prerequisites for a course must be completed with a grade of C or better before registration will be permitted.

Upper Division Writing Skills requirement (UDWS): All undergraduate students must demonstrate competency in writing skills by passing the Upper Division Writing Exam (UDWE) or by obtaining a C or better in an approved upper division writing course, identified by the letter "W."