Computer Science BS Degree

Pathways Checklist 2013-14 through 2017-18 major catalog
(use in conjunction with CSI catalog)

Total: **124 Credits (62 LA&S)**

*This list may not reflect the exact requirements of your admittance catalog. Please check with a Computer Science (CSC) advisor.*

**CSC required courses**

CSC 126 __________ CSC 346 __________
CSC 211 __________ CSC 347 __________
CSC 220 __________ CSC 382 __________
CSC/MTH 228 __________ CSC 430 __________
CSC 326 __________ CSC 446 __________
CSC 330 __________ CSC 490 __________
CSC 332 __________
CSC 305 __________

**CSC electives** are required, where students elect the topics of study. We offer 4 credit, 400-level CSC courses and 3 credit, 200-level CSC courses. Offerings vary by semester. You may complete the CSC electives with either:

a) (3) 400-level electives OR
b) (2) 400-level electives and (2) 200-level electives

CSC Elective 1 (400-level course or [2] 200-level courses) __________ __________ CSC Elective 2 __________
CSC/Math Elective 3 ___________

For major catalogs 2015-16, through 2018-19: one of your electives must be 226, 315, or 424 __________ ***
CSC450____(to graduate with departmental honors) ****

**Math Courses**

MTH 231 (or 230) __________ MTH 229 __________
MTH 232 __________
Upper Level Math Course _________(MTH 232 or higher as a prereq., the choice cannot be MTH 306)
Upper Level Math Course _________(MTH 232 or higher as a prereq., the choice cannot be MTH 306)

**Sciences**

One of the following four sequences: (BIO 170-171 & 180-181; CHM 141-121 & 142-127; PHY 120-121 & 160-161; AST 120 & 160; GEO 100-101 & 102-103 `)

Science 1 of sequence __________
Science 2 of sequence __________

Science Elective (4 credits chosen from list above, or having any of those from the list above as a prerequisite)
Science Elective __________

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General Education Pathways Requirements

Required Core
(RECR) ENG 111 __________
(RECR) ENG 151___________
(RMQR) MTH231 (pre-major)
(RLPR) Science 1 of sequence (pre-major)

Flexible Core
(FUSR) COR 100___________
(FSWR) CSC126 (pre csc sequence)

(World Cultures & Global Issues)* 3 credits__________
(Creative Expression)* 3 credits_________
(Individual & Society)* 3 credits_____________
Any Flexible Core from groups above*, 3 credits________

College Option
Social Science or TALA (4 credits)__________

STEM MTH 232 (pre-major)

STEM Science class (pre-major)

Requirements: 200 level classes_____P&D_____Contemporary World________

CSC electives notes:
** if you complete an additional upper math course beyond the two upper level math courses in the Math Courses section, we may additionally have it count as one 400-level CSC elective. Typically this is the case if you’re completing the math minor. This is limited to one instance, and the choice cannot be MTH 306. With faculty permission, a student may take a CSC graduate course as a 400-level elective.

*** If your major catalog year is 2015-16, 2016-17, 2017-18, or 2018-2019 (shows in your DegreeWorks), one of your electives must have a database component (CSC 226, 315, or 424 meet this criteria). If your major catalog year is 2014-15 or earlier, this is not applicable. CSC 315 is not an automatic substitution in DegreeWorks. It must manually be input after enrollment. Please contact the CSC dept. advisor after enrolling in CSC 315 to request substitution for the 400-elective, or see 1N-215.

**** To take CSC 450 you must have a minimum 3.5 GPA. It is similar to an independent study, where you consult a CSC faculty of your choice if they are able to supervise a research project, then complete the independent study form in 1N-215. You will also present your work in the annual Undergraduate Research Conference.

Sciences notes:
``you may sub. GEO 115-116 for GEO 100-101. If you complete GEO 115-116 towards your sequence, you may complete the sequence with either GEO 102-103, or ESC 110-111 (acceptable sub. for GEO 102-103, if you completed the first part of the sequence with GEO 115-116). If you complete your sequence with a different subject from the Sciences section (BIO, CHM, PHY, or AST), for the remaining science elective you may sub. GEO 115-116 or ESC 110-111 for GEO 100-101.```