



[1] CSCI 111 requires calculus readiness (MATH 119, MATH 116+118, high school equivalent, community college equivalent, or a proctored test score ≥ 76 on the ALEKS PPL assessment).

[2] We recommend taking CSCI 111, CSCI 211, and CSCI 311 in consecutive semesters.

[3] CSCI/EECE 446 require CSCI 211 and CINS 220. CSCI/EECE 446 contains a lot of low level programming, if you don't like low level programming, take MINS 346.

[4] Data Management/Analytics Elective: CINS 570, CSCI/MATH 385, CSCI 582, MINS 522, MINS 535.

[5] Networking/Security Elective: CINS 548, CSCI 546, EECE 555, MINS 546, MINS 536, MATH 317.

[6] Systems/Artificial Intelligence Elective: CSCI 344, CSCI 345, CSCI 515, CSCI 580, CSCI 581, CSCI 582, CSCI 585.

[7] 4-6 units selected from upper-division CSCI or CINS courses. The required number of electives units depends on your total units in the major. Adjust your elective units to make sure you take at least 84 units in the major. A maximum of 3 units may be taken for credit/no credit grading. Consider CSCI 300, CSCI 389, or CSCI 400 if you need one or two units. Verify each elective's prerequisite courses.

[8] One Upper Division Pathway class (or a minor class if you have a minor) must be a writing intensive class (W) to meet the upper division Graduation Writing Assessment Requirement (GWAR).

[9] Both classes must be from the same GE Pathway. Consider the *Scientific Inquiry and Quantitative Reasoning* Pathway and taking CSCI 431W as the Social Science (UD-D) class, it counts as a CINS elective.

[10] May be taken concurrently with CSCI 111. Prerequisite is MATH 119 (or MATH 116 + MATH 118 w/ \geq B-, or equivalent).

GE NOTE: Your GE classes must include 1 Global Culture (GC), 1 United States Diversity (USD), 1 upper division Writing (W) plus ENGL/JOUR 130W and CSCI 301W (transfers excused from 4th W class).

→ Arrows represent prerequisite classes. Must take the class on the left before you take the class on the right. All CSCI and CINS prerequisite must be completed with a C or higher.

----- Dashed arrows represent potential prerequisite classes.

Small boxes represent a course required for the major that also meets a General Education requirement (the requirement is listed in the box).

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