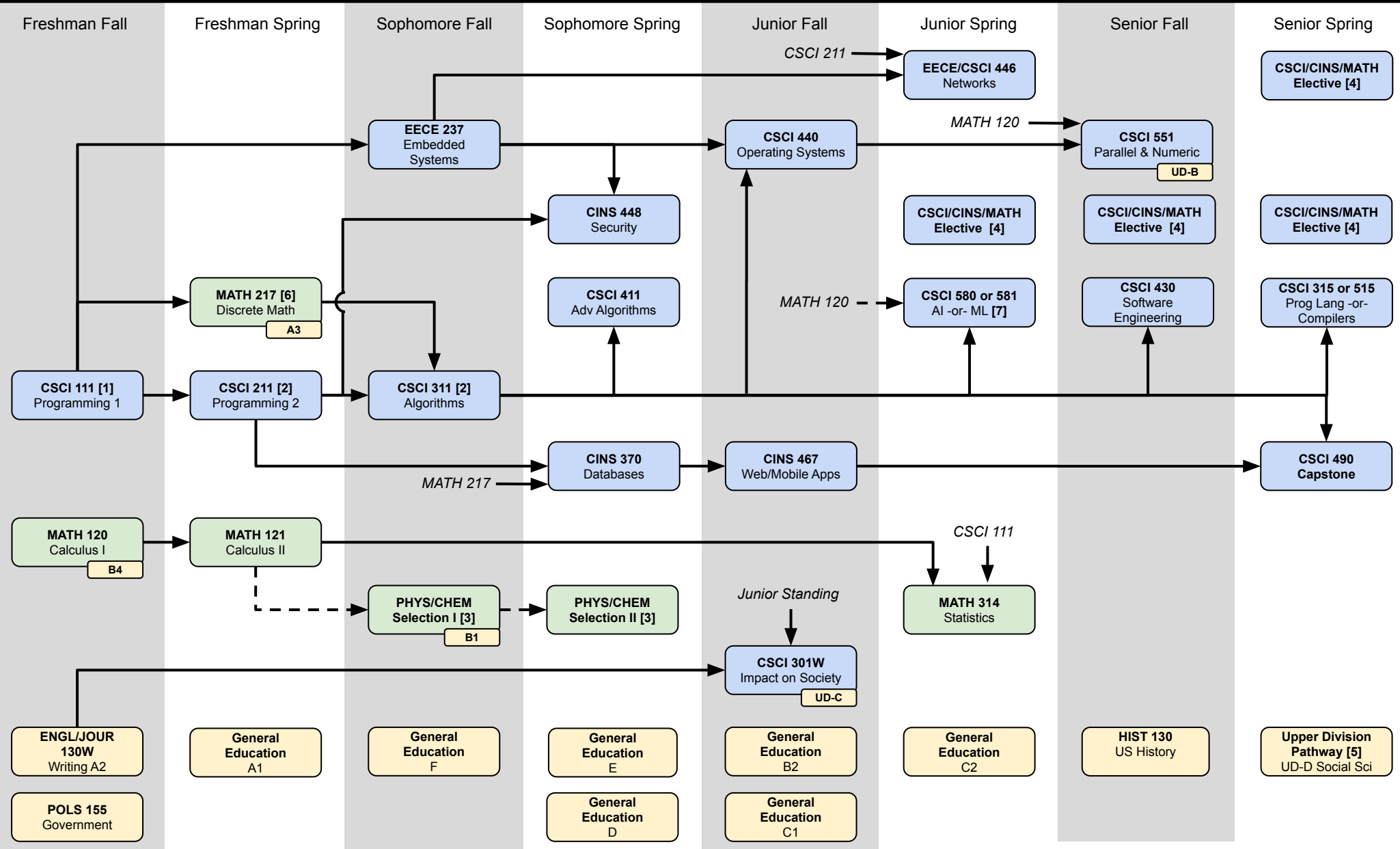


# Computer Science Course Flow

# 2023-2024 Catalog



[1] CSCI 111 requires completion of B4 or calculus readiness (MATH 119, high school equivalent, community college equivalent, or a proctored test score  $\geq 76$  on the ALEKS PPL assessment).  
 [2] We recommend taking CSCI 111, CSCI 211, and CSCI 311 in consecutive semesters.  
 [3] Choose any two from: PHYS 204A, PHYS 204B, PHYS 204C, CHEM 107, CHEM 108, CHEM 111, CHEM 112. NOTE: cannot take both CHEM 107 and CHEM 111.  
 [4] 11 units selected from: upper-division CSCI/CINS courses, EECE 555, and/or upper-division MATH courses that meet a requirement for the Minor in Mathematics.  
 A maximum of 3 units maybe taken for credit/no credit grading. Consider CSCI 300 or CSCI 389 if you need one or two units. Verify each elective's prerequisite courses.  
 [5] This class must be a writing intensive class (W) to meet the upper division Graduation Writing Assessment Requirement (GWAR). CSCI 431W Usability Engineering counts for UD-D and a CS elective.  
 [6] May be taken concurrently with CSCI 111. Prerequisite is MATH 119 (or MATH 116 + MATH 118 w/ $\geq$ B-, or equivalent).  
 [7] CSCI 581 Machine Learning requires MATH 120. When both CSCI 580 and CSCI 581 are completed, one will meet the 580/581 requirement and the other will be an elective.

GE NOTE: Your GE classes must include  1 Global Culture (GC),  1 United States Diversity (USD), 2 Writing Intensive (W) (1 lower division, 1 upper division) plus ENGL/JOUR 130W and CSCI 301W.

→ 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.  
 [Yellow Box] Small boxes represent a course required for the major that also meets a General Education (GE) requirement (the requirement is listed in the box).