UAF BS in Computer Science Checklist
Revised 2020-11-10
For the 2019-20 and later UAF Catalogs

Student: ___________________________ UAID: ___________________________
Advisor: ___________________________ Date: ___________________________

General Education Requirements

Arts: 1 course ___________________________ Humanities: 1 course __________
Social Sciences: 2 courses from different disciplines ________________ ________________
1 additional Arts/Humanities/Social Sciences course __________________________

WRTG [ENGL] 111X __________ WRTG [ENGL] 211X/212X/213X/214X ______
COJO [COMM] 131X/141X __________ Library skills: LS 101X or test __________
Natural Sciences: 2 courses, not PHYS 211X/212X and not both physics _________ ______

Alaska Native-themed: 1 course (may be same as one of the above) __________________________

CS Major Requirements

BA 323X, COJO [COMM] 300X, JUST 300X, NRM 303X, PHIL 322X, or PS 300X (ethics) ______
PHYS 211X ___________________________ PHYS 212X ______
MATH 251X [200X] (Calculus I) __________ MATH 252X [201X] (Calculus II) _______
MATH 253X [202X] (Calculus III) ________ MATH 307 (Discrete Math) __________
STAT 300 (Statistics) __________________________

CS 201 (CS I) __________________________ CS 202 (CS II) __________
CS 301 (Assembly Language) ____________ CS 311 (Data Structures & Algorithms) ______
CS 321 (Operating Systems) ____________ CS 331 (Programming Languages) __________
CS 371 (Ethics & Technical Comm) ________ CS 372 (Software Construction) __________
CS 411 (Analysis of Algorithms) ________ *EE 341 (Digital Design) __________
CS 441 (System Architecture) or EE 443 (Computer Engineering) __________
CS 471 (Senior Capstone I) ____________ CS 472 (Senior Capstone II) __________
*May petition to satisfy this requirement using CS 241

Three CS electives and one MATH elective at the 300/400 level
CS Elective ___________________________ CS Elective ___________________________
CS Elective ___________________________ MATH Elective ___________________________

Example CS electives: CS 484/485/486 (graphics), 405 (AI), 425 (Databases)
Example MATH electives: MATH 302 (Differential Eqs), 314 (Linear Algebra), 371 (Probability)

Note. Completing all CS BS requirements qualifies for Math minor

Credits

Total 120 Credits
Upper Division 39 Credits (Major 47) __________ Residence 30 Credits (24 UD; 12 UD in CS) ______