UAF BS in Computer Science Checklist
For the 2019-20 and later UAF Catalogs
Revised 2023-11-07

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 111X ___________________________ WRTG 211X/212X/213X/214X ___________________________
COM 121X/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, COM 300X, JUST 300X, NRM 303X, PHIL 322X, or PS 300X (Ethics) ___________________________
PHYS 211X ___________________________ PHYS 212X ___________________________
MATH 251X (Calculus I) ___________________________ MATH 252X (Calculus II) ___________________________
MATH 253X (Calculus III) ___________________________ MATH 307 (Discrete Math) ___________________________
STAT 300 (Statistics) ___________________________

CS 201 (CS I) ___________________________ CS 202 (CS II) ___________________________
*CS 241 (Hardware) ___________________________ 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) ___________________________
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 EE 341

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

CS Elective ___________________________ CS Elective ___________________________
CS Elective ___________________________ MATH Elective ___________________________

Example CS electives: CS 405 (AI), 425 (Databases), 453 (Robotics), 484/485/486 (Graphics)
Example MATH electives: MATH 302 (Differential Eqs), 314 (Linear Algebra)

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)