

UAF BS in Computer Science Checklist

For the 2019-20 and later UAF Catalogs

Revised 2020-11-10

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) _____