

UAF **BA** in Computer Science Checklist

For the **2022-23** and later UAF Catalogs

Revised 2023-11-07

Student: _____ UAID: _____

Advisor: _____ Date: _____

General Education Requirements

Arts: 1 course _____

Humanities: 2 courses _____

Social Sciences: 2 courses from different disciplines _____

2 additional Humanities/Social Sciences courses _____

WRTG 111X _____ WRTG 211X/212X/213X/214X _____

COM 121X/131X/141X _____ Library skills: LS 101X or test _____

Natural Sciences: 2 courses _____

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) _____

MATH 230X/251X (Calculus) _____ STAT 200X/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 441 (Arch) or EE 443 (Comp Eng) _____

CS 471 (Senior Capstone I) _____ CS 472 (Senior Capstone II) _____

*May petition to satisfy this requirement using EE 341

Four CS electives at the 300/400 level

CS Elective _____ CS Elective _____

CS Elective _____ CS Elective _____

Example CS electives: CS 405 (AI), 425 (Databases), 453 (Robotics), 484/485/486 (Graphics)

Credits

Total 120 Credits _____

Upper Division 39 Credits (Major 47) _____ Residence 30 Credits (24 UD; 12 UD in CS) _____