

UAF BS in Computer Science Checklist

For the 2007-08 to 2012-13 UAF Catalogs

Revised 2013-11-08

Student: _____ UAID: _____

Advisor: _____ Date: _____

General Degree Requirements

ANTH/SOC 100X _____ ECON/PS 100X _____

HIST 100X _____ ENGL/FL 200X (lit) _____

ART/MUS/THR 200X, HUM 201X, or ANS 202X (art) _____

OR replace any two courses above with a two-course foreign-language sequence _____

ENGL 111X _____ ENGL 211X/213X (writing) _____

COMM 131X/141X _____ Library skills: LS 100X/101X or test _____

Science (8 credits, 2 courses, not PHYS 211X/212X and not *both* physics) _____

CS Major Requirements

BA 323X, COMM 300X, JUST 300X, NRM 303X, PS 300X, or PHIL 322X (ethics) _____

PHYS 211X _____ PHYS 212X _____

MATH 200X (Calculus I) _____ MATH 201X (Calculus II) _____

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 411 (Analysis of Algorithms) or CS 451 (Automata) _____

EE 341 (Digital Design) _____ ENGL 314 (Tech writing) _____

CS 441 (System Architecture) or EE 443 (Computer Engineering) _____

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

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

CS Elective _____ CS Elective _____

CS Elective _____ MATH Elective _____

Example CS electives: CS 361/460/462/463 (security), 381/481/482 (graphics), 405 (AI), 425 (DB)

Note: BS in CS with 3 security classes for Information Assurance Certificate

Example MATH electives: MATH 302 (Differential Eqs), 314 (Linear Algebra), 371 (Probability)

Note: CS 202X (Calculus III) for Math minor _____

Credits

Total 120 Credits _____

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