UAF BS in Computer Science Checklist

For the 2007-08 to 2012-13 UAF Catalogs

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

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

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) ________