UAF BS in Computer Science Checklist
For the 2013-14 UAF Catalog

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 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) ___________________________

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: 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) ______