2014 Fall Mathematics major with Computer Science Concentration
Requirements Checklist, REV. 5/21/14

MAJOR COURSES

_____ CISC 105, Introduction to Problem Solving
_____ CISC 110, Introduction to Programming I
_____ CISC 210, Data Structures & Advanced Programming
_____ MATH 190, Calculus I
_____ MATH 240, Differential Equations
_____ MATH 260, Linear Algebra
_____ MATH 290, Calculus II
_____ MATH 390, Calculus III
_____ MATH 460, Mathematics Seminar

And any other four of the following five:

_____ MATH 140, Elementary Statistics
_____ MATH 170, Finite Math
_____ MATH 320, Discrete Mathematics
_____ MATH 430, Abstract Algebra
_____ MATH 460, Mathematics Seminar (a second time)

And the following three Computer Science courses:

_____ CISC 215, Database Management
_____ CISC 310, Networking Fundamentals and Programming
_____ CISC 330, Software Engineering

And one additional course from the following six:

_____ CISC 325, Software Assurance
_____ CISC 350, Special Topics in Languages
_____ CISC 375, Web Design
_____ CISC 385, Web Programming
_____ CISC 405, Mobile Application Development
_____ CISC 410, Operating Systems

COMMONS REQUIREMENTS

_____ OREN 105 (2 hours)
_____ CISC 100 or validation
_____ ENGL 110 or validation by ACT/SAT
_____ ENGL 111, HIST 112 or a writing-intensive research course in the major

_____ MATH 122, 124, 126, 128, 135 or higher level Math course (one class required – students who validate MATH 135 by ACT/SAT or test may take a higher level math.)

Arts and Humanities (4 hours required)

_____ ENGL 120, 201, 213, 214, 223, 224, 225, 227, 228, 231, 250; HNRS 101, HUMA 222, 223; MUSC 101, RELG101, 102; THEA 104, VISA 110, 204 or 208

Natural Sciences (4 hours required)

_____ ATEP 252, BIOL 100, 101, 251; CHEM 101, EVSC 111, GEOL 101, PHED 252, PHYS 201

Social Sciences (4 hours required)

_____ BUSN 201, CRJU 100, GEOG 200, HIST 101, 102, 201, 202; POLS 110, 210, 220; PSYC 101, PSYC 299; SOCI 101, 105

_____ PHED 201 or PSYC 102

*____ CMNS 251

_____ CMNS 330 or HNRS 330 or the combination of RELG 101 and RELG 102

_____ CMNS 380 or HNRS 380 (NURS 431 satisfies for ATEP/NURS majors)

*____ ATEP 480, CMNS 480, BIOL/EVSC 480, BUSN 446, CRJU 480, ENGL 402, HIST 480, PHED 480 or PSYC 430

*____ SVLN 351, 354, 356; BUSN 352, 356 or VISA 354

Arts & Lectures Series (no credit hours)

Attended _____ of _____ required A&L events

*If you are double majoring with an Education major, CMNS 251, Service-Learning and CMNS 480 are not required.