

2007-08 Mathematics major (non-teaching) with Computer Science Concentration

Requirements Checklist, REV. 2/13/2008

All of the following courses:

- _____ MATH 104, Calculus I
- _____ MATH 204, Calculus II
- _____ MATH 300, Elementary Differential Equations
- _____ MATH 304, Calculus III
- _____ CISC 105, Intro to Problem Solving
- _____ CISC 110, Intro to Programming I
- _____ CISC 210, Data Structures

Plus any other **six** from the following list:

- _____ MATH 103, Trigonometry
- _____ MATH 111, Finite Math
- _____ MATH 205, Geometry & Problem Solving
- _____ MATH 215, Elementary Statistics
- _____ MATH 301, Abstract Algebra
- _____ MATH 320, Discrete Mathematics
- _____ MATH 350, Linear Algebra
- _____ MATH 360, Numerical Analysis
- _____ MATH 405, Complex Analysis
- _____ MATH 410, Partial Differential Equations
- _____ MATH 415, Differential Equations II
- _____ MATH 450, Independent Study in Mathematics

COMPUTER SCIENCE CONCENTRATION:

- _____ CISC 215, Database Management
- _____ CISC 310, Data Communication & Networking
- _____ CISC 370, File Processing

PLUS CHOOSE 1 CISC COURSE FROM THE FOLLOWING LIST:

- _____ CISC 254, Computer Organization/Assembly Language
- _____ CISC 311, Systems Analysis and Logical Design
- _____ CISC 350, Special Topics in Languages
- _____ CISC 400, Hardware and Software Systems
- _____ CISC 410, Operating Systems

COMMONS REQUIREMENTS:

- _____ OREN 105 (1 hour)
- _____ CISC 100 or validation
- _____ ENGL 110 or validation by ACT/SAT
- _____ ENGL 111 or ENGL 200 or a writing-intensive research course in the major
- _____ MATH 102 or higher level Math course (one class required – students who validate MATH 102 by ACT/SAT or test may take a higher level math to satisfy this requirement)
- _____ Arts and Humanities (4 hours required)
ENGL 120, 201, 225, 227, 228; HNRS 101, HUMA 222, 223; MUSC 101, THEA 104, VISA 110, 204, 208
- _____ Natural Sciences (4 hours required)
BIOL 100, 101; CHEM 101, EVSC 111, GEOL 101, HNRS 102, PHED 252, PHYS 101
- _____ Social Sciences (4 hours required)
BUSN 201, GEOG 200, HIST 101, 102, 201, 202; POLS 203, 205, 207, 209; PSYC 101, SOCI 101
- _____ PHED 201
- _____ POLS 380 or HNRS 380
- _____ RELG 330 or HNRS 330
- _____ SOCI 251
- _____ CMNS 480, BIOL/EVSC 480, BUSN 446, ENGL 402, PSYC 430
- _____ SVLN 351, 352, 354, 355, 356; VISA 354
- _____ Arts & Lectures Series (no credit hours)