PROGRESSION FLOWCHART: Bachelor of Science in Mathematics and Computer Science

**FRESHMAN**
- SSC2413 Foundations Amer Exper
- SSC2423 Devel Amer Experience
- COM1103 English Composition
- COM1001 University Seminar
- MCS 1414 Calculus 1
- MCS 1142 Intro to C
- CHM 1213 University Chem. 1
- CHM 1221 Univ. Chem. 1 Lab

**SOPHOMORE**
- LLT1223 World Masterpieces 2
- PHY 2421 Univ. Phys. 1 Lab
- PHY 2413 Univ. Physics 1
- PHY 2423 Univ. Physics 2
- MCS 2523 Discrete Math
- MCS 2514 Computer Sci. 1
- MCS 2514 Computer Sci. 1 Lab

**JUNIOR**
- COM2103 Tech & Prof Communications
- PHY 2431 Univ. Phys. 2 Lab
- MCS 3863 Linear Algebra
- MCS 2414 Calculus 3
- MCS 2423 Diff. Equations
- MCS 2423 Advanced Calculus
- MCS 2534 Data Structures
- MCS 3543 Data Base Sys.
- SSC/PSY ___ 3 Jr./Sr. Elective
- COM3000 Open Elective
- MCS 3523 Math Modeling
- MCS 3743 Complex Analysis
- MCS 3733 Part. Diff. Equations
- MCS 3723 Complex Analysis
- MCS 4813 Num. Anal. 1
- MCS 4663 Operating Sys.
- MCS 4613 Operating Sys.
- MCS 4653 Theory/Computation
- MCS 4813 Modern Algebra

**SENIOR**
- MCS 3523 Math Modeling
- MCS 4833 Senior Proj.
- LLC ___ 3 Jr./Sr. Elective
- Open Elective

**KEY:**
- --- Prerequisite
- - - Corequisite

**NOTES**
- MCS 1142 is a pre-req. but MCS 1514 is strongly encouraged.
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- See Dept for list of approved Electives.
- See your advisor to schedule the upper level mathematics classes

Modified: April 13, 2006