

Name:	COURSE FLOWCHART - B.S./M.S. in Mathematical & Computer Sciences						2008-09 Catalog
Advisor:	Statistics Option						
First Year (Fall)	MATH 111 - 4 hrs Calculus I	SYGN 101 - 4 hrs Earth & Env Sys.	CHGN 121 - 4 hrs Chemistry I	LIHU 100 - 4 hrs Nature/Human Val.	CSM 101 - 0.5 hrs Freshman Seminar	PAGN 101 - 0.5 hrs Phys Ed I	17 hrs
First Year (Spring)	MATH 112 - 4 hrs Calculus II	PHGN 100 - 4.5 hrs Physics I	CHGN124/126 - 4 hrs Chem II/Quant Lab	EPIC 151 - 3 hrs Design I		PAGN 102 - 0.5 hrs Phys Ed II	16 hrs
Second Year (Fall)	MATH 213 - 4 hrs Calculus III	PHGN 200 - 4.5 hrs Physics II	CSCI 261 - 3 hrs Prog Conc (C++)	EPIC 251 - 3 hrs Design II	EBGN 201 - 3 hrs Principles of Econ	PAGN 201 - 0.5 hrs Phys Ed III	18 hrs
Second Year (Spring)	MATH 225 - 3 hrs Differential Eq.	MATH 342 - 3 hrs Linear Alg (Honors)	CSCI 262 - 3 hrs Data Structures	SYGN 200 - 3 hrs Human Systems	FREE ELECTIVE 3 hrs	PAGN 202 - 0.5 hrs Phys Ed IV	15.5 hrs
Second Year (Field)	MATH 300 - 4 hrs Foundations of Advanced Mathematics						4 hrs
Third Year (Fall)	MATH 401 - 3 hrs Intro to Analysis	MATH 334 - 3 hrs Intro to Probability	MATH 407 - 3 hrs Intro to Sci Comp	MATH 433 - 3 hrs Mathematical Bio.	LAIS/EBGN - 3 hrs H&SS Elective I	FREE ELECTIVE 3 hrs	18 hrs
Third Year (Spring)	MATH 458 - 3 hrs Abstract Algebra	MATH 335 - 3 hrs Intro to Statistics	MATH *** - 3 hrs Math Elective	MATH *** - 3 hrs Math Elective	LAIS/EBGN - 3 hrs H&SS Elective II	FREE ELECTIVE 3 hrs	18 hrs
Fourth Year (Fall)	MATH 530 - 3 hrs Stat Methods I	MATH 500 - 3 hrs Lin. Vector Spaces	MATH 424 - 3 hrs Intro to App Stat	MATH 438 - 3 hrs Stochastic Models	FREE ELECTIVE 3 hrs	FREE ELECTIVE 3 hrs	18 hrs
Fourth Year (Spring)	MATH 531 - 3 hrs Stat Methods II	MATH *** - 3 hrs Math Elective	MATH 436 - 3 hrs Adv Stat Modeling	MATH 482 - 3 hrs Statistics Practicum	FREE ELECTIVE 3 hrs		15 hrs
Graduate Student Status							
Fifth Year (Fall)	MATH 534 - 3 hrs Math Statistics I	MATH 5XX - 3 hrs Stat Elective	THESIS or Math Elective		LAIS/EBGN - 3 hrs H&SS Elective III		12 hrs
Fifth Year (Spring)	MATH 535 - 3 hrs Math Statistics II	THESIS or Math Elective					12 hrs
Total = 163.5 hrs							
<p>Mathematics Electives may be satisfied by any 400-level or higher mathematics courses. One Junior Mathematics elective may be satisfied by MATH323, MATH348 or MATH358.</p>							