

Name:	COURSE FLOWCHART - B.S./M.S. in Mathematical & Computer Sciences						2007-08 through 2008-09 Catalogs
Advisor:	Computer Science Option						
Freshman 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
Freshman Year (Spring)	MATH 112 - 4 hrs Calculus II	PHGN 100 - 4.5 hrs Physics I	CHGN124/126 - 4 hr Chem II/Quant	EPIC 151 - 3 hrs Design I		PAGN 102 - 0.5 hrs Phys Ed II	16 hrs
Sophomore 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
Sophomore Year (Spring)	MATH 225 - 3 hrs Differential Eq.	MATH 358 - 3 hrs Discrete Math	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
Junior Year (Fall)	MATH 323 - 3 hrs Prob & Statistics	MATH 332 - 3 hrs Linear Algebra	CSCI 306 - 3 hrs Software Eng.	CSCI 341 - 3 hrs Computer Org.	FREE ELECTIVE 3 hrs	FREE ELECTIVE 3 hrs	18 hrs
Junior Year (Spring)	CSCI 406 - 3 hrs Algorithms	CSCI 407 - 3 hrs Intro to Sci Comp	CSCI *** - 3 hrs CS Elective	LAIS/EBGN - 3 hrs H&SS Elective I	FREE ELECTIVE 3 hrs		15 hrs
Sophomore Year (Field)	CSCI 370 - 6 hrs CS Field Course						6 hrs
Senior Year (Fall)	CSCI 564 - 3 hrs Adv. Architecture	CSCI 442 - 3 hrs Operating Systems	CSCI *** - 3 hrs CS Elective	LAIS/EBGN - 3 hrs H&SS Elective II	CSCI *** - 3 hrs CS Elective	FREE ELECTIVE 3 hrs	18 hrs
Senior Year (Spring)	CSCI 5** - 3 hrs CS Elective	CSCI 5** - 3 hrs CS Elective	CSCI 400 - 3 hrs Prin. of Prog. Lang.	CSCI *** - 3 hrs CS Elective	FREE ELECTIVE 3 hrs		15 hrs
Fifth Year (Fall)	CSCI 561 - 3 hrs Theory of Computation	CSCI 5** - 3 hrs CS Elective	CSCI 5** - 3 hrs CS Elective	LAIS/EBGN - 3 hrs H&SS Elective III			12 hrs
Fifth Year (Spring)	CSCI 5** - 3 hrs CS Elective	CSCI 5** - 3 hrs CS Elective	CSCI 5** - 3 hrs CS Elective	CSCI 4**/5** - 3 hrs CS Elective	Graduate Student Status		12 hrs
<b>Total = 162.5 hrs</b>							
Computer Science Electives may be satisfied by any 400-level or higher computer science courses.							
For graduate level electives, students must use a 500-level computer science course.							