



Applied Mathematics Concentration in Applied & Computational Mathematics

FRI	MATH-101 Calculus I	CS-101 or ECE-101 or IME-211 (Computer Programming)	CHEM-135/136 Principles of Chemistry/Lab	COMM-101 Written & Oral I	
FRII	MATH-102 Calculus II	MATH-307 Matrix Algebra	PHYS-114/115 Physics I/Lab	ECON-201 Economic Principles	
SOI	MATH-203 Multivariate Calculus	MATH-308 Abstract Algebra	HUMN-201 Introduction to Humanities	SSCI-201 Introduction to the Social Sciences	
SOII	MATH-204 Differential Equations Laplace Transform	MATH-327 Mathematical Statistics I	Science Elective	PHYS-224/225 Physics II/Lab	
JRI	MATH-305 Numerical Methods/Matrices	MATH-313 Boundary Value Problems	FE (Free Elective)	COMM-301 Written & Oral II	
JRII	MATH-328 Methods of Applied Mathematics	MATH-418 Intermediate Differential Equations	FE (Free Elective)	Advanced Social Science Elective	
SRI	MATH-416 Vector Analysis	ENG/CS Engineering/ Computer Science Sequence	FE (Free Elective)	FE (Free Elective)	Advanced Humanities Elective
SRII	MATH-321 Real Analysis	MATH-423 Partial Differential Equations	ENG/CS Engineering/ Computer Science Sequence	Science Elective	FE (Free Elective)
SRIII	MATH-412 Complex Variables	ENG/CS Engineering/ Computer Science	ENG/CS Engineering/ Computer Science	FE (Free Elective)	LS-489 Senior Seminar