MATHEMATICS MAJOR, B.A.

Mathematics & Computer Science Department; Shaw School of Sciences

The Mathematics major prepares students for graduate study in mathematics, mathematical physics, or a related area that relies heavily upon theoretical mathematics. Eventual employment opportunities for persons with this background include teaching and research at the college or university level or being a member of a research team in government or industry. The Department has a rich history of graduates who have been successful in graduate school and subsequent academic and research careers.

To graduate must complete all major requirements, foundational requirements, and additional electives needed for 124 hour minimum degree requirement.

MAJOR REQUIREMENTS (55)

__ 4	CSC	121	Computer Programming I ___ Lab
__ 4	CSC	122	Computer Programming II ___ Lab
__ 4	MAT	181	Calculus I ___ Lab
__ 4	MAT	182	Calculus II ___ Lab
__ 4	MAT	183	Calculus III ___ Lab
__ 3	MAT	241	Logic & Sets
__ 3	MAT	252	Differential Equations
__ 3	MAT	271	Linear Algebra
__ 3	MAT	281	Probability
__ 3	MAT	350	Mathematical Modeling
__ 3	MAT	442	Numerical Analysis
__ 3	MAT	471	Abstract Algebra
__ 1	MAT	475	Senior Seminar
__ 3	MAT	482	Complex Analysis
__ 5	PHY	211	Gen Physics I ___ Lab ___ Recitation
__ 5	PHY	212	Gen Physics II ___ Lab ___ Recitation

PLUS FOUNDATIONS REQUIREMENTS (49)
(3 hours Math and 4 hours Science satisfied by required major courses.)

Plus electives needed for the 124 hour degree requirement (20)