B.S. Mathematics

General Education Requirements for all Bachelor's degrees

Quality Enhancement Plan (QEP) Requirement

Required Courses

Item #	Title	credits
MATH 181	Calculus I	4
MATH 182	Calculus II	4
MATH 283	Calculus III	4
MATH 211	Logic and Set Theory	3
MATH 321	Differential Equations	3
MATH 361	Introduction to Linear Algebra	3
MATH 431	Abstract Algebra	3
MATH 471	Real Analysis	3
MATH 484	Mathematics Seminar	1
MATH 485	Portfolio	1
	Mathematics, BS 12 Hours Upper Division Electives	12

Required cognate: take two of the following courses:

Item #	Title	credits
CSIS 110	Principles of Computer Programming I	3
CSIS 111	Principles of Computer Programming II	3
PHYS 121	General Physics I	4
PHYS 122	General Physics II	4
	Total credits:	47-49

Category Descriptions

Mathematics, BS 12 Hours Upper Division Electives

Credits: 12

Item #	Title	credits
MATH 322	Partial Differential Equations	3
MATH 341	Geometry	3
MATH 371	History of Mathematics	3
MATH 381	Complex Variables	3
MATH 411	Numerical Analysis with Application	3
MATH 441	Calculus-Based Probability Theory	4
MATH 442	Actuarial Exam P Preparation	3
MATH 461	Number Theory	3