

ENDORSEMENT AREA: MATHEMATICS EDUCATION

Degree	Requirement for Admission
Secondary Education Masters: Mathematics	Standard Educator License

Program Description

The Master of Science in Education Degree in Secondary Education (with an endorsement in mathematics) is interdisciplinary. It is designed for mathematics teachers in elementary, junior and senior high schools, and junior colleges. Specifically, the department strives to:

1. strengthen the attributes of a good teacher;
2. develop skill in oral and written communication of mathematics;
3. Establish an intellectual environment in which teaching and learning flourish together.

Course Requirements

Core Education Courses (12 hours)		Credits
ED 512	Foundations of American Research	3 hrs.
ED 514	Methods of Educational Research	3 hrs.
PH 513	Advanced Educational Psychology	3 hrs.
ED 533	Curriculum (Methods) Development	3 hrs.
Required Courses (18 hours)		Credits
MA 501	Introduction to Analysis	3 hrs.
MA 502	Logic, Sets and Found. of Math	3 hrs.
MA 503	Abstract Algebra I	3 hrs.
MA 504	Axiomatic Geometry	3 hrs.
MA 515	General Topology	3 hrs.
MA 585	Methods of Teaching Mathematics	3 hrs.
Electives (at least one course in algebra) (3-6 hours)		Credits
MA 511	Introduction to Analysis II	3 hrs.
MA 512	Complex Variables	3 hrs.
MA 513	Abstract Algebra II	3 hrs.
MA 514	Synthetic Projective Geometry	3 hrs.
MA 516	Group Theory	3 hrs.
MA 560	Modern Topics in Mathematics	1-3 hrs.
TOTAL		33 hrs.