Mathematics Major (MAT)

Mathematics is the art of creating, recognizing, and analyzing abstract quantitative and geometrical structures. Students who pursue this course of study are trained to solve theoretical and practical problems and to communicate their solutions effectively.

Accordingly, graduates of the Math/Physics/Computer Science department will:

- demonstrate knowledge of basic content appropriate to mathematics;

- communicate precisely and effectively on quantitative matters;

- perform basic mathematical modeling and interpret the results in terms of the phenomena being modeled; and

- read mathematical material, interpret correctly what has been read, and apply it correctly.

This training provides a foundation for further graduate and professional study in many fields as well as for employment in business and industry.

For more information about the Math major leading to a teaching certification, please contact the Associate Dean of Undergraduate Education.

DEGREE TYPE: BACHELORS of arts

PROGRAM CONTACT: PROFESSOR WILLIAM HARRIS

Department: Mathematics
Type: B.A.

Core Courses	21 hours
Elective Courses	9 hours
Allied Courses	3 hours
Total	33

Core Courses

Item #	Title	Credit Hour(s)
MAT125	Calculus I	3
MAT225	Calculus II	3
MAT301	Discrete Mathematics	3
MAT310	Linear Algebra	3
MAT325	Calculus III	3
MAT415	Abstract Algebra	3
MAT431	Real Analysis I	3

Elective Courses

Select nine additional hours among 300–400 level math courses.

Allied Courses

Item #	Title	Credit Hour(s)
CSC115	Computer Science I	3
	Total credits:	**33**