Mathematics Curriculum Map

	Outcome 1	Outcome 2	Outcome 3	Outcome 4	Outcome 5
MATH 121: Calculus I		P	I		I
MATH 122: Calculus II		M			I
MATH 205: Mathematical Structures	I		I/P		I
MATH 225: Multivariable Calculus		M	I		I
MATH 237 Discrete Structures	I		I/P		I
MATH 240 Cryptography		P			P
MATH 245 Numerical Analysis		P			P
MATH 253 Probability		P			P
MATH 262 Linear Algebra	P	M	P		P
MATH 282 Number Theory	P	P			P
MATH 305 Differential Equations		M			P
MATH 321 Geometry	P	P	P	P	M
MATH 339 Complex Variables		P			P
MATH 353 Statistics		P/M			M
MATH 360 Stochastic Calculus for Finance		P			P
MATH 416 Introduction to Analysis	M		M		M
MATH 432 Abstract Algebra	M	P	P		M
MATH 441 History of Mathematics	P	P		P/M	M

Key: I = Introduce, P = Practice, M = Master

Student Learning Goals and Outcomes

Goal 1: Develop logic, reasoning and problem solving skills
> **Outcome 1:** Students will develop valid and coherent proofs.

Outcome 2: Students will display a broad range of computational skills.
Outcome 3: Students will gain a rigorous knowledge of the foundations of mathematics.

Goal 2: Develop communication skills
Outcome 5: Students will communicate mathematics with precision, clarity and organization.

Goal 3: Develop interdisciplinary skills

Outcome 4: Students will understand how mathematics developed from a historical point of view (Information Literacy).