Mathematics
Curriculum Map

* **INTRODUCTORY**- introduce learning goals (update or initial reflection)
* **DEVELOPMENTAL**- develop/emphasize learning goals (places of formative assessment)
* **MASTERY**- mastery/measure learning goals (assignments, capstones, places of summative assessment)

CORE COURSE REQUIREMENTS			EFFECTIVE THINKING AND COMMUNICATION SKILLS	LINK APPLICATIONS AND THEORY	USE TECHNOLOGICAL TOOLS	DEVELOP MATHEMATICAL INDEPENDENCE AND EXPERIENCE OPEN-ENDED INQUIRY	TRAINING TO GO INTO MATH CAREERS AND MATH GRADUATE PROGRAMS
Course Code	**Required /Elective**	**Course Name**					
MAT 201	R	CALCULUS I	I	I	D	I	I
MAT 202	R	CALCULUS II	I	D	D	I	I
MAT 207	R	DISCRETE MATHEMATICS	D	I	I	D	D
MAT 211	R	DIFFERENTIAL EQUATIONS	D	D	D	D	D
MAT 312	R	LINEAR AND MATRIX ALGEBRA	D	D	D	D	D
MAT 313	E	COLLEGE GEOMETRY	I	I	I	D	D
MAT 318	E	ELEMENTARY NUMBER THEORY	I	D	I	M	D
MAT 321	R	CALCULUS III	I	D	D	D	D
MAT 325	E/R*	PROBABILITY AND STATISTICS	D	D	D	D	D
MAT 401	E/R*	HIGHER ALGEBRA	I	I	I	M	M
MAT 421	E/R*	ADVANCED CALCULUS I	I	D	I	M	M
MAT 429	E	TOPICS IN MATHEMATICS	D	M	D	M	M
MAT 455	E/R*	MATHEMATICAL METHODS IN PHYSICS	D	M	D	M	M
MAT 498	R	SENIOR PAPER/PROJECT PREPARATION	M	M	M	M	M
MAT 499	R	SENIOR PAPER/PROJECT	M	M	M	M	M
CSC 111	R	INTRODUCTION TO COMPUTING	I	I	I	I	I
CSC 206	R	INTERMEDIATE PROGRAMMING	I	I	D	D	D

*Two out of these four courses must be completed. Those remaining become electives.