

Mathematics Curriculum Map

* **INTRODUCTORY**- introduce learning outcomes (update or initial reflection)

* **DEVELOPMENTAL**- develop/emphasize learning outcomes (places of formative assessment)

* **MASTERY**- mastery/measure learning outcomes (assignments, capstones, places of summative assessment)

CORE PROFESSIONAL LEARNING OUTCOME #1

CORE PROFESSIONAL LEARNING OUTCOME #2

CORE PROFESSIONAL LEARNING OUTCOME #3

CORE PROFESSIONAL LEARNING OUTCOME #4

CORE PROFESSIONAL LEARNING OUTCOME #5

ORU OUTCOME #1: SPIRITUAL INTEGRITY

ORU OUTCOME #2: PERSONAL RESILIENCE

ORU OUTCOME #3: INTELLECTUAL PURSUIT

ORU OUTCOME #4: GLOBAL ENGAGEMENT

ORU OUTCOME #5: BOLD VISION

CORE COURSE REQUIREMENTS												
Course Code	Required/Elective	Course Name										
MAT 201	R	CALCULUS I	I	I	I/D	I	I			I	I	
MAT 202	R	CALCULUS II	I	D	D	I	I			I	I	
MAT 207	R	DISCRETE MATHEMATICS	D	I	I	D/M	D			D	D	
MAT 211	R	DIFFERENTIAL EQUATIONS	D	M	D	D	D/M				M	I
MAT 312	R	LINEAR AND MATRIX ALGEBRA	D	D	D	D/M	D/M				M	
MAT 313	E	COLLEGE GEOMETRY	I	I	I	D	D			D	D	
MAT 318	E	ELEMENTARY NUMBER THEORY	I	D	I	M	D				M	
MAT 321	R	CALCULUS III	I	D	D	D	D			I	I	
MAT 325	R	PROBABILITY AND STATISTICS	D	D	D	D	D			D	D	
MAT 401	E/R*	HIGHER ALGEBRA	D	D	I	M	M				M	
MAT 421	E/R*	ADVANCED CALCULUS I	D	D	I	M	M				M	
MAT 429	E	TOPICS IN MATHEMATICS	D	M	D	M	M				M	
MAT 455	E/R*	MATHEMATICAL METHODS IN PHYSICS	D	M	I	M	M				M	
MAT 498	R	SENIOR PAPER/PROJECT PREPARATION	M	M	M	M	M		M	M	M	M
MAT 499	R	SENIOR PAPER/PROJECT	M	M	M	M	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 three courses must be completed. Those remaining become electives.