	Fall (15cr)	Spring (17cr)
First Year	 Math 1101 Calculus I (5cr) (M/SR) 	Math 1102 Calculus II (5cr)
	 Engl 1601 Writing for Liberal Arts (4cr) 	World Language 2 (4cr) (FL)
	(WLA)	CMR 1042 Public Speaking & Analysis (4cr) (E/CR)
	 Intellectual Community (2cr) (IC) 	GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or one
	World Language 1 (4cr)	from HDiv, Envt, IP)
Second Year	Fall (16cr)	Spring (14cr)
	 Math 2101 Calculus III (4cr) 	 Math 2202 Math Perspectives (4cr)
	 Math 3111 Linear Algebra (4cr) 	Math Major Computing or Statistics Requirement
	 Math Major Computing or Statistics 	(4cr)
	Requirement (4cr)	• Ed 2601 Development, Learning & Teaching (4cr)
	• GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or	(SS)
	one from HDiv, Envt, IP)	 Psych 2581 Drugs Human Behavior (2cr)
Third Year	Fall (17cr)	Spring (16cr)
	 Math 3221 Real Analysis I (4cr) 	Math 3231 Abstract Algebra I (4cr)
	 Math 3411 Discrete and Combinatorial 	 Math Major Math Applications Course (4cr)
	Math (4cr)	Math or non-math elective (4cr)
	 Math 2211 History of Math or Math 3211 	• GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or one
	Geometry (4cr)	from HDiv, Envt, IP)
	 Ed 2121 Introduction to Education (4cr) & 	
	Ed 2111 Tutor-Aide Practicum (1cr)	
Fourth Year	Fall (14cr)	Spring (16cr)
	 Math 4901 Senior Seminar (2cr) 	Senior Seminar continues
	 Math 2211 History of Math or Math 3211 	• GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or one
	Geometry (4cr)	from HDiv, Envt, IP)
	 GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or 	• GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or one
	one from HDiv, Envt, IP)	from HDiv, Envt, IP)
	 GenEd (4cr) (Sci, Sci-L, ArtP, Hist, Hum, FA or 	 Math or non-math elective (4cr)
	one from HDiv, Envt, IP)	Math or non-math elective (4cr)
ar	Courses taken in the Division of Education. Educa	ation courses are a full course load and it is not
۲۴ ر	recommended that you take any courses other than the required education courses in your fifth year.	
ifth Year	For the specific courses required check your APA	·

- Use APAS and Grad Planner to adapt the sample plan to your situation.
- Geometry and History of Math are offered in alternating years, so it is very important you take them when they are offered. You can take either of these courses as early as your second year.
- Apply for admission to the Secondary Education program the fall before you begin your education year.
- Try to take an average of 15 credits per semester. Try not to take a heavy load in your first semester.
- A few pure math electives are 2cr courses.
- If you want to participate in programs (study abroad, internships, etc.) that require you to be away from UMM campus, then plan to fit your courses in other semesters.
- The course Math 4901: Senior Seminar is a capstone course for your mathematics major. You should complete any courses which relate to your senior seminar project before you register for the senior seminar. For example, if you wish to pursue a senior seminar that involves a topic in geometry, you should have completed Math 3211 Geometry before you begin senior seminar.