

Academic Year 2019-20 **Bachelor of Science in Mathematics Concentration: Education Preparation** SMA9UG

Student Name and ID Number Estimated Graduation Date

Core Requirements: 43 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
MA 1160	4	
MA 2160	4	
MA 2330	3	
MA 2710	3	
MA 3160	4	
MA 3210	3	
MA 3310	3	
MA 3450	3	
MA 3560	3	
MA 4945 or	3	
Approved upper division glo	bal literacy	course
Choose one of the followin	g:	
MA1600, MA2600, MA3740, CS1121, CS1131		
	3	
One course in a Lab/Science from the STEM Science course list		
	4	
One additional science course, from the STEM science course list,		
in a different discipline from the course taken above.		
	3	
Credit Subtotal		

*M-Passed with valid grade, transfer, or Advance Placement
credit; Registered in course; Plan to take in future, WVD-Waived
course or credit (does not reduce total degree credits required),
SUB- Petitioned as substitute course.

Concentration Requirements: 18 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
MA 1910	3	
MA 3924	3	
MA 4908	3	
MA 4945	3	
4000-Level Math Electives: 6 credits		
MA 4xxx	3	
MA 4xxx	3	
Credit Subtotal		

Note: Students completing this concentration will not be eligible for Michigan Teacher Certification wihtout additional coursework. For Michigan Teacher Certification, please complete the Mathematics Secondary Teaching program requirements (degree audit).

Free Electives: 39 Credits		
Course Number	Credits	Course Status Code M, R, P, WVD, SUB*
Credit Subtotal		

General Education Requirements: 24 Credits		
Course Number	Credits	Course Status Code
	Credits	M, R, P, WVD, SUB*

Courses used to complete General Education may not be used to complete other degree requirements.

C	ore: 12 Cre	edits
UN 1015	3	
UN 1025 or upper level modern language	3	
Critical and Creative Thinking	3	
Social Responsibility and Ethical Reasoning	3	
HASS: 12 Credits		
✓ Students must complete 12	credits of HA	ASS course work
✓ Six of the 12 credits must be	e at the 3000	- or 4000- level*
✓ At least three credits each in the following: Communication/Comp,		
Humanities and Fine Arts, and Social & Behavioral Sciences.		
✓ No more than three credits	may come fr	om the Restricted List
Communication/ Composition	minimum 3	
Humanities and Fine Arts	minimum 3	
Social and Behavioral Sciences	minimum 3	
Course from any list above or Restricted List	0-3	

 $[\]mbox{\ensuremath{^{*}}}$ an upper division language course in place of UN1025 does not meet this requirement.

Co-Curricular Activities: 3 Credits		
Required for graduation, but not included in the GPA calculation or in the overall credits required for the degree.		

Advisor Use Only		
Total Credits Required	124	
Total Credits Completed		
Total Credits Needed		