

## Mississippi Valley State University

## **ACADEMIC MAP**

**Department of Mathematics, Computer and Information Sciences** 

Major: Mathematics Education Catalog Year: 2017-2019

Degree Requirements	Details
Total Credit Hours	121/122 credit hours
Grade Point Average (GPA)	2.0 GPA
Residency Rule	Complete a minimum of 25% of the total credit hours requirement of the degree program at MVSU.
"D" Policy	Students are allowed one (1) "D" in major courses.
Academic Advisor	
Student Name	
Student ID#	

General Core Curriculum	Course Number	Credit Hours	Semester Offered
Freshman Composition	EN 101	6	FA, SP, S1
	EN 102		FA, SP, S2
Humanities: History and English Literature Students must take (6hrs EN Lit & 3hrs HI or 6hrs HI & 3hrs EN Lit)		9	
Fine Arts	AR 101 TH 201	3	FA & SP
	MU 107		
Orientation	FY 101	1	FA & SP
Science		6/8	

General Core Curriculum	Course Number	Credit Hours	Semester Offered
Social and Behavioral Sciences: Economics, Geography, Political Science, Psychology, Public Administration and Sociology		6	
Speech	SP 201	3	FA, SP, SI, S2
Health and Physical	HL 101 PE 102	2/3	FA & SP
Education or ROTC	MS 101		FA
	MS 102		SP
College Algebra or Higher Level Mathematics		3	

## Subtotal 39/42

Semester 1	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Freshman Composition	EN 101	3	FA, SP, S1				EN 100B or English Subtest Score of 17
Survey of Computer Science	CS 112	3	FA & SP				Must be a CS, MA or MA Education Major
Social & Behavioral Sciences (See Core Curriculum)		3					
General Biology I (Zoology)	BI 111	3	FA			BI 112	BI 111L
General Biology I (Zoology) Lab	BI 111L	1	FA			BI 112L	BI 111
Pre-Calculus	MA 150	3	FA & SP				MA100B or MA111 or MA112 and ACT Math Subtest Score of 20
Freshman Year Experience	FY 101	1	FA & SP				
	Total Hours	17					

Semester 2	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Freshman Composition	EN102	3	FA, SP, S2				EN 101
Concepts of Physical Education or Comprehensive Health	PE 102 or HL101	2/3	FA & SP				
Calculus I	MA 299	3	FA & SP				MA 111, MA 150, or Math Subtest Score of 22
Art Appreciation	AR 101	3	FA & SP			MU 107 TH 201	
Introduction to Teaching	ED 280	3	FA & SP				
Math Seminar	MA192	1	SP				Must be a MA or MA Education Major
	Total Hours	15/16					•

Semester 3	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Humanities (See Core Curriculum)		3					
Concepts of Mathematics III	MA 333	3	FA & SP				MA 111 or MA 299
Fundamentals of Speech	SP 201	3	FA, SP, S1, S2				
General Chemistry I	CH 111	3	FA				CH 111L
General Chemistry I Lab	CH 111L	1	FA				CH 111
Calculus II	MA 300	3	FA & SP				MA 299
	Total Hours	16		•			-

Semester 4	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Humanities (See Core Curriculum)		3					
Social & Behavioral Sciences (See Core Curriculum)		3					
Educational Psychology	ED 302	3	FA & SP				ED 380
Linear Algebra	MA 331	3	SP				MA 300
Humanities (See Core Curriculum)		3					
	Total Hours	15		•	<u>-</u>		•

Semester 5	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Modern Geometry	MA 311	3	FA				MA 300
Discrete Mathematics	MA 341	3	FA			CS 341	MA 300
Analysis I	MA 317	3	FA				MA 301
Calculus III	MA 301	3	FA & SP				MA 300
Test and Measurement	ED 305	3	FA & SP				ED 380
Educating Except Child & Youth	SE 325	3	FA & SP				Praxis I Math 169, Praxis I Reading 170, and Praxis I Writing 172
	Total Hours	18		•	•		-

Semester 6	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
History of Mathematics	MA 305	3	SP				MA 302 and Must be a MA or MA Education Major
Ordinary & Partial Diff. Equations	MA 421	3	SP				MA 300
Probability & Statistics	MA 325	3	SP				MA 300
Global & Multi-Cultural Education	ED 393	3	SP				ED 204 and ED 280
Instructional Planning	ED 380	3	FA & SP				ED 204, ED 280, ED 285 and ED 325
	Total Hours	15		•			•

Semester 7	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Methods of Teaching Math	MA 452	3	FA				MA 201 and Must be a MA or MA Education Major
Abstract Algebra I	MA 401	3	FA				MA 300
Reading in the Content Area	RD 430	3	FA				
Classroom Management	ED 420	3	FA & SP				ED 380
Pre-Student Teaching Seminar	ED 491	1	FA & SP				
	Total Hours	13					

Semester 8	Course Number	Credit Hours	Semester Offered	Semester Taken	Grade Earned	Also Allowed	Pre/Co-requisites
Directed Teaching - Secondary Schools	ED 409	12	SP				Praxis I Math 169, Praxis I Reading 170, Praxis I Writing 172, Praxis II 152, ED 103, ED 105, ED 220, ED 300, ED 302, ED 205, and ED 307
	Total Hours	12			•		

Form E404C Major: Mathematics Education Catalog Year: 2017-2019