CROWDER COLLEGE

Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

ENG 110

16

Semester 1 Total

Catalog Year: 2022-2023



Crowder Associate of Arts in Mathematics to

MSU Bachelor of Science in Mathematics (Comprehensive)

The following is a guide to graduation with completion of Crowder's Associate of Arts in Mathematics and
MSU's Bachelor of Science in Mathematics degree.
The degree may be completed on campus only.

Crowder Year 1 Semester 1	The Mathe	ematics degree is a comprehensive major meaning it does not require completic	on of a minor.				
REQUIREMENT DESCRIPTION	CROWDER COURSE ID/TI	ILE		CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Institutional Requirement	COLL 101	College Orientation		1	GEN 000		
Oral Communications 3 credit hours	COMM 104	Fundamentals of Speech		3	COM 115	✓	
Major Course	COMP 111	Introduction to Programming		4	CSC 131		
Mathematical Sciences 3 credit hours	MATH 150	Calculus I, Part I		2	MTH 000	✓	
Social/Behavioral Sciences 9 credit hours	Choose one: HIST 106	HIST 107 PLS	C 103	3	Varies	✓	

	Semes	

ENGL 101

English Composition

Civics Requirement Written Communications

6 credit hours

Crowder Year 1 Semester 2											
REQUIREMENT DESCRIPTION	CROWDER COURS	SE ID/TIT	LE					CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Core Elective 5 hours required for Core 42	Choose MOTR coo	ded cours	e(s) of your choice with	the assistance of a	n advisor.			3	Varies	✓	
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	ART 106▲ ART 107 ART 110	ASL 101 ASL 102 FREN 10 ENGL 10 ENGL 20	1 ENGL 230 9 ENGL 235	ENGL 245 MUSC 101 MUSC 106*▲ MUSC 107*▲ MUSC 195*▲	MUSC 196*▲ MUSC 206*▲ MUSC 207*▲ MUSC 295*▲ MUSC 296*▲	PHIL 101 PHIL 201 PHIL 202 PHIL 121 SPAN 101	SPAN 102 TA 205 HIST 101 HIST 102	3	Varies	✓	
Natural Sciences 7 credit hours (Must fulfill 2 disciplines including one course with a lab component)	PHYS 190		General Physics I					5	PHY 203	✓	✓
Mathematical Sciences 3 credit hours	MATH 160		Calculus I, Part II					3	MTH 261	✓	~
Written Communications 6 credit hours	ENGL 102		Advanced English Comp	position				3	ENG 210	✓	
						Sei	mester 2 Total	17			

Crowder	Year	2 Semester 3	3

Crowder Year 2 Semester 3											
REQUIREMENT DESCRIPTION	CROWDER COL	JRSE ID/TITL	E					CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
Social/Behavioral Sciences 9 credit hours (Must fulfill 2 disciplines)	Choose one: AGEC 123 CJ 101 ECON 201		ECON 202 GEOG 111 HIST 106	PL	ST 107 SC 103 SC 104	PSYC 10 PSYC 2: SOC 10	11	3	Varies	✓	
Major Course	MATH 201	C	Calculus II					5	MTH 280		✓
Natural Sciences - Lab Requirement 7 credit hours (Must fulfill 2 disciplines)	Choose one: BIOL 101 BIOL 120	'		BIOL 152 BIOL 252		G	EOL 210	4	Varies	✓	
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one: ART 101 ART 106▲ ART 107 ART 110 ART 111	ASL 101 ASL 102 FREN 101 ENGL 109 ENGL 203		ENGL 245 MUSC 101 MUSC 106*▲ MUSC 107*▲ MUSC 195*▲	MUSC 196*▲ MUSC 206*▲ MUSC 207*▲ MUSC 295*▲ MUSC 296*▲	PHIL 101 PHIL 201 PHIL 202 PHIL 121 SPAN 101	SPAN 102 TA 205 HIST 101 HIST 102	3	Varies	✓	
						Se	mester 3 Total	15			

REQUIREMENT DESCRIPTION	CROWDER COURSE ID/	TITLE					CREDIT HOURS	MSU EOUIVALENT	MEETS CORE 42	MSU MAJOR REOUIREMENT
Social/Behavioral Sciences 9 credit hours (Must fulfill 2 disciplines)	Choose one: AGEC 123 CJ 101 ECON 201	ECON 202 GEOG 111 HIST 106	PL	IST 107 .SC 103 .SC 104	PSYC 1 PSYC 2 SOC 10	11	3	Varies	✓	
Major Course	MATH 202	Calculus III					5	MTH 302		✓
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	Choose one: ART 101 ASL: ART 106 ▲ ASL: ART 107 FREN ART 110 ENGI ART 111 ENGI	02 ENGL 225 101 ENGL 230 109 ENGL 235	ENGL 245 MUSC 101 MUSC 106*▲ MUSC 107*▲ MUSC 195*▲	MUSC 196*▲ MUSC 206*▲ MUSC 207*▲ MUSC 295*▲ MUSC 296*▲	PHIL 101 PHIL 201 PHIL 202 PHIL 121 SPAN 101	SPAN 102 TA 205 HIST 101 HIST 102	3	Varies	✓	
Major Elective	MATH 210	Differential Equation					3	MTH 303		✓
						mester 4 Total	14 62		s Applied Toward for Requirements:	

Date Modified: 7.1.22 Dr. William Bray WBray@MissouriState.edu 417-836-6270 MSU Transfer Advisor:



Courses are sequenced to provide guidance and to help ensure that prerequisite requirements are met.

Catalog Year: 2022-2023

MSU Bachelor of Science in Mathematics (Comprehensive)

after Crowder Associate of Arts in Mathematics

MSU	Year	3	Semester	1

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
General Elective **	Work with your MSU ad	visor to identify courses that will complement your specific career goals.	3
General Elective **	Work with your MSU ad	visor to identify courses that will complement your specific career goals.	3
Major Requirement	MTH 315	Algebraic Structures	3
Major Requirement	MTH 333	Linear Algebra	3
Major Elective 18 credit hours required	Choose any MTH course	numbered 400 or higher, in consultation with advisor.	3
	+	Semester 1 Total	15

REQUIREMENT DESCRIPTION	MSU COURSE ID/TIT	LE	CREDIT HOURS
Major Requirement	MTH 503	Advanced Calculus I	3
	Choose one:		
Major Requirement	MTH 421 MTH 541	Numerical Analysis I Statistical Theory II	3
Major Elective 18 credit hours required	Choose any MTH co	urse numbered 400 or higher, in consultation with advisor.	3
General Elective **	Work with your MSI	J advisor to identify courses that will complement your specific career goals.	3
General Elective **	Work with your MSI	J advisor to identify courses that will complement your specific career goals.	3
	l l	Semester 2 Total	15

MSU Year 4 Semester 3

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITL	ID/TITLE			
General Elective **	Work with your MSU	advisor to identify courses that will complement your specific career goals.	2		
Major Elective 18 credit hours required	Choose any MTH cou	urse numbered 400 or higher, in consultation with advisor.	3		
Major Elective 18 credit hours required	Choose any MTH cou	urse numbered 400 or higher, in consultation with advisor.	3		
Major Requirement	MTH 532	Introduction to Abstract Algebra	3		
Major Requirement	MTH 540	Statistical Theory I	3		
	"	Semester 3 Total	15		

MSU Year 4 Semester 4

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS			
General Elective **	Work with your MSU ac	visor to identify courses that will complement your specific career goals.	3			
General Elective **	Work with your MSU ac	visor to identify courses that will complement your specific career goals.	3			
Major Requirement	MTH 497	Topics	1			
Major Elective 18 credit hours required	Choose any MTH cours	ny MTH course numbered 400 or higher, in consultation with advisor.				
Major Elective 18 credit hours required	Choose any MTH cours	y MTH course numbered 400 or higher, in consultation with advisor.				
		Semester 4 Total				
		Total Hours at MSU				
		Total Hours Overall	120			

^{**} Electives provide the opportunity to customize your degree program. Some elective credits may or may not be needed to bring total credit hours to a minimum of 120 credit hours and upper division hours (300+) to 40.

This degree is also available as a Bachelor of Arts (BA).

Please consult an MSU transfer advisor to determine your best degree options.

- This information is provided as a guide only.

 Crowder students are strongly encouraged to meet with their major specific MSU transfer advisor early in their Crowder education to discuss the most appropriate Crowder coursework for their intended MSU major, MSU degree requirements, etc.
- Students are required to fulfill MSU graduation and GPA requirements to receive a degree and should consult with their MSU advisor and the MSU undergraduate catalog for details, as there may exist pre-requisite requirements as
- Please note that transfer students in recording several and the post dataset and