Date Modified:	4.19.21
MSU Transfer Advisor:	Dr. William Bray WBray@MissouriState.edu 417-836-6270

FINISH © 4



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

Catalog Year: 2021-2022

### **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	The degree may be completed on ca e Mathematics degree is a comprehensive major meaning it do					
REQUIREMENT DESCRIPTION	CROWDER COURSE	ID/TITLE		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	1	
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 Civics Requirement	Choose one: HIST 106	HIST 107	PLSC 103	3	Varies	1	
Written Communications 6 credit hours	ENGL 101	English Composition		3	ENG 110	1	
			Semester 1 Total	16			

Crowder Year 1 Semester 2								CREDIT	MSU	MEETS	MSU MAJOR
REQUIREMENT DESCRIPTION	CROWDER COL	NDER COURSE ID/TITLE						HOURS	EQUIVALENT	CORE 42	REQUIREMENT
Core Elective 5 hours required for Core 42	Choose MOTR	coded cours	e(s) of your choice with	the assistance of a	n advisor.			3	Varies	$\checkmark$	
	Choose one:										
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	ART 101 ART 106▲ ART 107 ART 110 ART 111	ASL 101 ASL 102 FREN 10 ENGL 10 ENGL 20	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 Com	position				3	ENG 210	✓	
						Se	mester 2 Total	17	1		

EQUIREMENT DESCRIPTION	CROWDER CO	URSE ID/TITLE						CREDIT HOURS	MSU EQUIVALENT	MEETS CORE 42	MSU MAJOR REQUIREMENT
ocial/Behavioral Sciences 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	~	
lajor Course	MATH 201	Ca	lculus II					5	MTH 280		✓
atural Sciences - Lab Requirement <i>Credit hours</i> Must fulfill 2 disciplines)	Choose one: BIOL 101 BIOL 120			BIOL 152 BIOL 252		G	EOL 210	4	Varies	~	
<b>lumanities and Fine Arts</b> <i>credit hours</i> 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 222 ENGL 225 ENGL 230 ENGL 235 ENGL 240	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	✓	

Social/Behavioral Sciences 9 credit hoursChoose one: AGEC 123 C 101 ECON 201ECON 202 GECOS 111 HIST 106HIST 107 PLSC 103 PLSC 104PSYC 101 PLSC 103 PSYC 2113Varies $\checkmark$ Major CourseMATH 202Calculus IIIChoose one: HIST 106Calculus III5MTH 302 $\checkmark$ Magor CourseMATH 202Calculus IIISocial 10PHIL 101 MUSC 106* $\blacktriangle$ SPAN 1025MTH 302 $\checkmark$ Mumanities and Fine Arts 9 credit hoursART 101 ART 100 ART 107ASL 102 FREN 101ENGL 222 ENGL 235MUSC 106* $\bigstar$ MUSC 106* $\bigstar$ PHIL 101 PHIL 201 MUSC 205* $\bigstar$ SPAN 102 PHIL 202 PHIL 121 PHIL 121 <br< th=""><th>Crowder Year 2 Semester 4 REQUIREMENT DESCRIPTION</th><th>CROWDER COURSE ID/1</th><th>TTI E</th><th></th><th></th><th></th><th></th><th>CREDIT</th><th>MSU</th><th>MEETS</th><th>MSU MAJOR</th></br<>	Crowder Year 2 Semester 4 REQUIREMENT DESCRIPTION	CROWDER COURSE ID/1	TTI E					CREDIT	MSU	MEETS	MSU MAJOR
9 credit hours (Must fulfill 2 disciplines)AGEC 123 C I 01 ECON 201ECON 202 	REQUIREMENT DESCRIPTION	· · · · · · · · · · · · · · · · · · ·	1116					HOURS	EQUIVALENT	CORE 42	REQUIREMENT
Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)       Choose one: ART 101 ART 106▲       Choose one: ASL 101 ASL 101 ART 106▲       ENGL 222 ASL 102 ASL 102 ENGL 225 ENGL 225 MUSC 106*▲       MUSC 196*▲ MUSC 206*▲       PHIL 101 PHIL 201 MUSC 205*▲       SPAN 102 PHIL 201 HIST 101 HIST 102       3       Varies       ✓         Major Elective       MATH 210       Differential Equation       Differential Equation       J       3       MTH 303       ✓	9 credit hours	AGEC 123 CJ 101	GEOG 111	PL	SC 103	PSYC 2	11	3	Varies	~	
Humanities and Fine Arts       ART 101       ASL 101       ENGL 222       ENGL 245       MUSC 196*▲       PHIL 101       SPAN 102       TA 205       J         9 credit hours       ART 106▲       ASL 102       ENGL 225       MUSC 101       MUSC 106*▲       PHIL 101       SPAN 102       TA 205       J       J       Varies       Varies       Varies         (Must fulfill 2 disciplines)       ART 1107       FREN 101       ENGL 235       MUSC 105*▲       MUSC 205*▲       PHIL 101       SPAN 102       J       Varies       ✓         Major Elective       MATH 210       Differential Equation       Uifferential Equation       J       J       J       J       J       J       J       ✓	Major Course	MATH 202	Calculus III					5	MTH 302		✓
	Humanities and Fine Arts 9 credit hours (Must fulfill 2 disciplines)	ART 101         ASL 1           ART 106▲         ASL 1           ART 107         FREN           ART 110         ENGL	D2         ENGL 225           101         ENGL 230           109         ENGL 235	MUSC 101 MUSC 106★▲ MUSC 107★▲	MUSC 206*▲ MUSC 207*▲ MUSC 295*▲	PHIL 201 PHIL 202 PHIL 121	TA 205 HIST 101	3	Varies	*	
Semester 4 Total 14 Total Hours Applied Toward	Major Elective	MATH 210	Differential Equation					3	MTH 303		✓
Total Hours at Crowder 62 MSU Major Requirements:						Se	mester 4 Total	14			

\* One credit hour course

▲ May choose only one, falls under MOTR code 'PERF'

Date Modified:	4.19.21
MSU Transfer Advisor:	Dr. William Bray WBray@MissouriState.edu 417-836-6270

# Missouri State

VERSITY U

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

Catalog Year: 2021-2022

## MSU Bachelor of Science in Mathematics (Comprehensive)

after Crowder Associate of Arts in Mathematics

REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS
General Elective **	Work with your MSU a	dvisor to identify courses that will complement your specific career goals.	3
General Elective **	Work with your MSU a	dvisor 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 cour	e numbered 400 or higher, in consultation with advisor.	3
		Semester 1 Total	15

MSU Year 3 Semester 2					
REQUIREMENT DESCRIPTION	MSU COURSE ID/TI		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 o	e any MTH course numbered 400 or higher, in consultation with advisor.			
General Elective **	eneral Elective ** Work with your MSU advisor to identify courses that will complement your specific career goals.				
General Elective **	lective ** Work with your MSU advisor to identify courses that will complement your specific career goals.				
		Semester 2 Total	15		

MSU Year 4 Semester 3					
REQUIREMENT DESCRIPTION	MSU COURSE ID/TITLE		CREDIT HOURS		
General Elective **	Work with your MSU advis	or to identify courses that will complement your specific career goals.	2		
Major Elective 18 credit hours required	Choose any MTH course n	SU advisor to identify courses that will complement your specific career goals.			
Major Elective 18 credit hours required	Choose any MTH course n	se any MTH course numbered 400 or higher, in consultation with advisor.			
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 a	visor to identify courses that will complement your specific career goals.	3			
General Elective **	Work with your MSU a	Work with your MSU advisor to identify courses that will complement your specific career goals.				
Major Requirement	MTH 497	Topics	1			
Major Elective 18 credit hours required	Choose any MTH cours	e numbered 400 or higher, in consultation with advisor.	3			
Major Elective 18 credit hours required	Choose any MTH cours	e numbered 400 or higher, in consultation with advisor.	3			
	i.	Semester 4 Total	13			
		Total Hours at MSU	58			
		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).

Click here access the Bachelor of Arts Degree Rec 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 effect at Missouri public colleges and universities may follow the general education and general baccalaureate degree requirements in effect at Missouri State when they first enrolled (or re-enrolled after a absence of one calendar year or more) as degree-seeking students at the institutions from which they transferred (e.g., Crowder).