

DEPARTMENT OF MATHEMATICS
SOUTHEAST MISSOURI STATE UNIVERSITY

Concentration in Mathematics
Bachelor of Science in Elementary Education

Course	Hours
MA118 Mathematics I	3
MA318 Mathematics II	3
MA418 Geometry for Teachers	3
MA134 College Algebra	3
or MA138 Discrete Mathematics I	
or MA250 Foundations of Mathematics	
MA139 Applied Calculus	3-5
or MA140 Analytic Geometry & Calculus I	
MA155 Statistical Reasoning	3
or MA223 Elementary Probability & Statistics	
UI438 Nature & Growth of Mathematical Thought	3
or MA250 Foundations of Mathematics	
or MA340 ¹ Concepts of Geometry	
or MA443 ² Elementary Number Theory	
TOTAL HOURS	21-23

All prerequisite courses require a minimum grade of 'C'.

¹ MA340 is offered in Fall and Summer semesters only.

² MA443 is offered in Spring semester only.

SCHEDULE OF COURSE OFFERINGS- DEPT. OF MATHEMATICS

		F02	Sp03	Su03	F03	Sp04	Su04	F04	Sp05	Su05	F05	Sp06	Su06
MA090	Developmental Algebra	x	x	x	x	x	x	x	x	x	x	x	x
MA095	Intermediate Algebra	x	x	x	x	x	x	x	x	x	x	x	x
MA096	Dev. & Int. Algebra												
MA118	Mathematics I	x	x	x	x	x	x	x	x	x	x	x	x
MA123	Survey of Math	x	x	x	x	x	x	x	x	x	x	x	x
MA133	Plane Trigonometry	x	x	x	x	x	x	x	x	x	x	x	x
MA134	College Algebra	x	x	x	x	x	x	x	x	x	x	x	x
MA138	Discrete Math I	x	x		x	x		x	x		x	x	
MA139	Applied Calculus	x	x	x	x	x	x	x	x	x	x	x	x
MA140	Analytic Geom & Calc I	x	x	x	x	x	x	x	x	x	x	x	x
MA145	Analytic Geom & Calc II	x	x	x	x	x	x	x	x	x	x	x	x
MA155	Statistical Reasoning	x	x	x	x	x	x	x	x	x	x	x	x
MA218	Concepts of Mid Sch Math				x			x			x		
MA223	Elem. Prob. & Stats.	x	x	x	x	x	x	x	x	x	x	x	x
MA230	Math for Early Childhood		x			x			x			x	
MA240	Analytic Geom & Calc III	x	x		x	x		x	x		x	x	
MA245	Vector Calculus		x			x			x			x	
MA250	Foundations of Math	x	x		x	x		x	x		x	x	
MA318	Mathematics II	x	x	x	x	x	x	x	x	x	x	x	x
MA334	Computer Programming	x	x		x	x	x	x	x	x	x	x	x
MA338	Discrete Math II							x			x		
MA340	Concepts of Geometry	x		x	x		x	x		x	x		x
MA345	Linear Algebra	x	x	x	x	x	x	x	x	x	x	x	x
MA350	Differential Equations I		x			x			x			x	
UI388	Mathematical Modeling							x			x		
MA418	Geometry for Teachers	x	x	x	x	x	x	x	x	x	x	x	x
MA423	Stat Analysis Forensic Science				x						x		
UI438	Nat. & Grwth of Math	x	x		x	x		x	x		x	x	
MA443	Elem. Number Theory		x			x			x			x	
MA445	Modern Algebra	x	x		x	x		x	x		x	x	
MA448	Math Seminar	x	x		x	x		x	x		x	x	
MA464	Math Cryptography		x						x				
MA523	Prob. & Stats I	x			x			x					
MA524	Prob. & Stats II		x			x			x				
MA535	Topology II												
MA540	Projective Geometry		x			x			x				
MA544	Numerical Analysis		x			x						x	
MA545	Linear Algebra & Matrices		x			x						x	
MA546	Advanced Calc I	x			x			x			x		
MA547	Advanced Calc II		x						x			x	
MA550	Differential Equations II	x						x					
MA560	Research Methods					x				x			
MA580	Exp. Design/Analysis of Var.					x						x	

Semesters in which courses are offered are subject to change.