COURSE SEQUENCE GUIDE FOR FULL-TIME ENROLLMENT [Method of Entry - Associate in Arts Pathway]
Secondary Mathematics Education
Bachelor of Science | Code: S9250 | 120 credits
Effective Term: Fall 2024 (2247)

Prerequisite Courses

Course ID	Course Title	Credits	Pre/Co-requisites
MAC 2311	Calculus & Analytic Geometry 1	5	Prerequisites: MAC 1106 and MAC 1114 or MAC 1114 and MAC 1140 or MAC 1147
MAC 2312	Calculus & Analytic Geometry 2	4	Prerequisite: MAC 2311
MAC 2313	Calculus & Analytic Geometry 3	4	Prerequisite: MAC 2312
STA 2023	Statistical Methods	3	Prerequisite: MAT 1033 or MGF 1106
EDF 1005	Introduction to Education	3	
EDF 2085	Introduction to Diversity	3	
EME 2040	Creativity, Innovation, and Technology for the 21st Century Learner	3	
EEX 2000	Introduction to Exceptional Student Education	3	Prerequisite: EDF 1005
	Semester Credits	**28**	

Semester 1

Course ID	Course Title	Credits	Pre/Co-requisites
EDG 3321	General Teaching Skills	3	
EDG 3443	Classroom and Behavior Management	3	Pre/Co-requisite: EDG 3321
EDF 4430	Measurement and Assessment in Education	3	Pre/Co-requisite: EDG 3321
MAP 2302	Differential Equations	3	Prerequisite: MAC 2312
MAD 3107	Discrete Math Structures	3	Prerequisite: MAC 2312
	Semester Credits	**15**	

Semester 2

Course ID	Course Title	Credits	Pre/Co-requisites
EEX 3071	Teaching Exceptional and Diverse Populations in Inclusive Settings	3	Pre/co-requisites: EEX 2000; EDG 3321
MAE 4360	Methods of Teaching Mathematics	3	Pre/co-requisites: EDG 3321; EDF 4430
MAS 3105	Linear Algebra	3	Prerequisite: MAC 2312
MAS 3301	Algebraic Structures	3	Prerequisite: MAC 2312
	Semester Credits	**12**	

Semester 3

Course ID	Course Title	Credits	Pre/Co-requisites
TSL 4324C	ESOL for Content Area Teachers	3	
RED 3393	Differentiated Instruction in Content Reading	3	
MAS 4203	Number Theory	3	Prerequisite: MAC 2311
	Semester Credits	**9**	

Semester 4

Course ID	Course Title	Credits	Pre/Co-requisites
TSL 4324C	ESOL for Content Area Teachers	3	
RED 3393	Differentiated Instruction in Content Reading	3	
MAS 4203	Number Theory	3	Prerequisite: MAC 2312
MTG 3214	Euclidean Geometry	3	Prerequisite: MAC 1147
	Semester Credits	**12**	

Semester 5

Course ID	Course Title	Credits	Pre/Co-requisites
MAE4945	Student Internship	9	Prerequisite: All coursework Co-requisite: MAE 4942
MAE 4942	Seminar in Math Education	3	Prerequisite: All coursework Co-requisite: MAE 4942
	Semester Credits	**12**	
	Program Total	**60**	

Academic Pathway at MDC: The four-year baccalaureate degree in Secondary Education: Mathematics is designed to prepare students to become teachers and pass state professional certification exams. An internship in a school setting is required to provide practical experience. The completer will earn a professional teaching certificate in Secondary Education: Mathematics. The program requires 12 credits of education prerequisites, and all education courses require a grade of "C" or better. To learn more about program courses, see the College Catalog.