Department of Mathematics
Bachelor of Science in Mathematics (Mathematics Secondary Education)
Major Code: MATH
Concentration Code: MSCE
Effective Date: 2019-2020 Academic Year

Curriculum Guide

Course	CR	Course	CR
Freshman Year: First Semester		**Freshman Year: Second Semester**	
MATH 131: Calculus I *(MLAR)*	4	MATH 132: Calculus II *(MLAR)*	4
MATH 105: Ori for Fr & New Math Majors	1	ENGL 101 Ideals & Their Expressions II *(WC)*	3
ENGL 100: Ideals & Their Expres I *(WC)*	3	MATH 106: Intro Math Reason Prob Solv	1
FRST 101; College Success *(SS)*	1	MATH 123: Discrete Mathematics	3
Global Awareness[1] *(GA)*	3	African American History and Culture[2] *(AA)*	3
EDPR 102: Intro to Teacher Education	2	EDPR 110: Ethics of Teaching	2
Semester Total	**14**	**Semester Total**	**16**
Sophomore Year: First Semester		**Sophomore Year: Second Semester**	
MATH 231: Calculus III	4	MATH 211: Math Logic & Proof Tech	4
SPED 250: Intro to Exceptional Child	3	MATH 242: College Geometry	3
MATH 240 Intro Scientific Programming	3	EDPR 210: Culturally Relevant Pedagogy	2
EDPR 215: Curriculum Design and Instructional Planning	2	EDPR 250: Assessment & Technology for P-12 Student Learning	2
PSYC 101: General Psychology *(SBS)*	3	MATH 224: Intro Probability & Statistics	3
		MATH 205: Lab Course in Math Ed I	1
Semester Total	**15**	**Semester Total**	**15**
Junior Year: First Semester		**Junior Year: Second Semester**	
MATH 377: Intermediate Analysis I	3	MATH 330: Use of Technology Teaching Math **or** MATH 340: Numerical Methods	3
MATH 351: Linear Algebra & Matrix Theo	3	MATH 320	3
SPCH 250: Speech Fundamentals *(HFA)*	3	ELED 420 Content Area Literacy	3
EDPR 455: Ed Psych & Class Management	3	SPED 448 Diag Assessment & IEP	3
EDPR 410: Differentiated Instruction	2	PHYS 225: College Physics I *(SR)*	3
MATH 206: Lab Course in Math Ed II	1	PHYS 235: College Physics I Lab *(SR)*	1
Semester Total	**15**	**Semester Total**	**16**
Senior Year: First Semester		**Senior Year: Second Semester**	
MATH 411: Abstract Algebra I	3	EDPR 498: Clinical Practice II	12
Science Elective[3] (SR)	4		
EDPR 487: Clinical Practice I	3		
Electives	7		
Semester Total	**17**	**Semester Total**	**12**

Total Credit Hours: 120

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[1] One course from: HIST 130, 207, 216 or 231, or PHIL 103 or 201.
[2] One course from: HIST 103, 106 or 107, or LIBS 202, or MUSI 220

[3] One course from: PHYS 226/236, CHEM 100/110, or BIOL 100

MAJOR PROGRAM REQUIREMENTS

Students must earn a C or better grade in the following courses:

Course	Course
MATH 105	MATH 231
MATH 106	MATH 242
MATH 123	MATH 320
MATH 131	MATH 330/340
MATH 132	MATH 351
MATH 205	MATH 377
MATH 206	MATH 411
MATH 211	
MATH 224	
MATH 240	