

**Department of Mathematics and Statistics**  
**Bachelor of Science in Mathematics (Mathematics Secondary Education)**  
**Major Code: MATH**  
**Concentration Code: MSCE**  
**Effective Date: 2020-2021 Academic Year**

**Curriculum Guide**

<b>Course</b>	<b>CR</b>	<b>Course</b>	<b>CR</b>
<b>Freshman Year: First Semester</b>		<b>Freshman Year: Second Semester</b>	
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 <sup>1</sup> (GA)	3	African American History and Culture <sup>2</sup> (AA)	3
EDPR 102: Intro to Teacher Education	2	EDPR 110: Ethics of Teaching	2
<b>Semester Total</b>	<b>14</b>	<b>Semester Total</b>	<b>16</b>
<b>Sophomore Year: First Semester</b>		<b>Sophomore Year: Second Semester</b>	
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
<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>15</b>
<b>Junior Year: First Semester</b>		<b>Junior Year: Second Semester</b>	
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
<b>Semester Total</b>	<b>15</b>	<b>Semester Total</b>	<b>16</b>
<b>Senior Year: First Semester</b>		<b>Senior Year: Second Semester</b>	
MATH 411: Abstract Algebra I	3	EDPR 498: Clinical Practice II	12
Science Elective <sup>3</sup> (SR)	4		
EDPR 487: Clinical Practice I	3		
Electives	7		
<b>Semester Total</b>	<b>17</b>	<b>Semester Total</b>	<b>12</b>

**Total Credit Hours: 120**

<sup>1</sup> One course from: HIST 130, 206, 207, 216 or 231, or PHIL 103 or 201, or MGMT 221.

<sup>2</sup> One course from: HIST 103, 206 or 207, or LIBS 202, or MUSI 220, or ENGL 333 or 334.

<sup>3</sup> 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 240
MATH 123	MATH 242
MATH 131	MATH 320
MATH 132	MATH 330/340
MATH 205	MATH 351
MATH 206	MATH 377
MATH 211	MATH 411
MATH 224	