

**TOTAL – Middle Childhood (4-9) Science & Math: 132 hours**

B.S. in Middle Childhood (4-9) (Science and Math Concentration)

2022-2023 FOUR YEAR CURRICULUM GUIDE

DEPARTMENT OF TEACHER EDUCATION

Year 1 Fall Semester			Year 1 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDFN 130	Introduction to Teaching	3	EDFN 202	Teaching and Learning Process	3
EDEC 140	Phonics and the Eng. Lang.	3	EDCI 234	Middle Grades: Teaching	3
ENG 101	Comp I (Core 1)	3	ENG 102	Comp II (Core 4)	3
COM 101	Human Communication (Core 2)	3	CORE	Institutional Req. (Core 5: Religion)	3
MATH 217	Interm Arith/Geom (Core 3: Math)	3	MATH 218	Geometry for Middle Grades	3
	<b>TOTAL</b>	<b>15</b>		<b>TOTAL</b>	<b>15</b>

Year 2 Fall Semester			Year 2 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 232	Instructional Design & Educational Technology for Teaming	3	EDIS 250	Intro to Education Intervention	3
EDCI 236	Middle Grades Field II (Either)	1	EDEC 262	Foundations in Literacy K-9	3
GEOL 101	Physical Geology	4	CORE	Institutional Req (Core 8: CCI)	3
BIO 201 or BIO 202	Molecular & Cellular Basis of Life or Organisms, Adapt, Divers.(Core 6: NS)	4	BIO 202 or BIO 201	Organisms, Adapt, Divers(Core 9: NS) Molecular & Cellular Basis of Life.	4
MATH 201	Applied Calculus 1 (FA)	3	PSYC 218	Psyc of Adol (Core 10: Soc Sci)	3
CORE	Institutional Req. (Core 7: Aest)	3	MATH 202	Applied Calculus II (SP)	3
	<b>TOTAL</b>	<b>18</b>		<b>TOTAL</b>	<b>19</b>

Year 3 Fall Semester			Year 3 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
CORE	Institutional Req. (Core 11: HUM)	3	EDCI 317	Teach 21 <sup>st</sup> Cent.Adol: Math (SP)	3
Core	Institutional Req. (Core 12: Hist Reas.)	3	EDCI 318	Teach 21 <sup>st</sup> Cent. Adol: Science (SP)	3
EDCI 312	Teaching Reading & Writing Methods For Middle Grades & Secondary Stud.	3	EDCI 336	Middle Grades Field II	3
PHYS 201	General Physics (FA) (counts for MATH Elec & SCI Concentration	4	SCI Elec.	Science Elective GEOL 102, 210, PHYS 107 & 202 (Choose one)	3
MATH 108	Introductory Statistics (FA, SP)	3	MATH ELEC	MATH Elective MATH 224, or MATH 309 SP, PHYS 201, CS 101 FA (Choose two)	3
CS 101	Logic and Comp MATH Elec.	3	CORE	Institutional Req. (Core 13: Aest)	3
	<b>TOTAL</b>	<b>19</b>		<b>TOTAL</b>	<b>18</b>

Year 4 Fall Semester			Year 4 Spring Semester		
Course #	Title	Cr.	Course #	Title	Cr.
EDCI 392	Content Area Reading	3	EDFN 402	Social & Professional Issues (Either)	2
CORE	Institutional Req. (Core 14: Soc Sci)	3	EDCI 467	Student Internship (Either)	10
CORE	Institutional Req. (Core 15: HUM)	3			
CHEM 103	General Chemistry (FA)	4			
MATH 223	Discrete Mathematics I (FA)	3			
	<b>TOTAL</b>	<b>16</b>		<b>TOTAL</b>	<b>12</b>

Total Credit Hours 132