

## **URBAN STEM EDUCATION SECONDARY (BS)**

#### **Math Concentration**

# 2023-2024 RECOMMENDED PROGRAM SEQUENCE (Full-time) 120 CREDITS

UE STEMSC BS [MTHC]

FRESHMAN YEAR							
					(42 114 )		
Fall Semester		(12 credits)	Winter Semester		(16 credits)		
ACES100	Achieving Career and Education Success	3	ENGL110	Advanced Composition	3		
ENGL109	Composition	3	MATH150	Pre-Calculus	4		
HUMN101	Arts and Culture	3	SOSC201	Diversity in Society	3		
MATH120	College Mathematics	3	STAT220	Introduction to Statistics	3		
UEDU151**	Experiential Learning	0		Open Electives	3		
			UEDU151**	Experiential Learning	0		
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\*\*UEDU151 can be completed in 1-2 semesters and must be completed within the same academic year. A course fee is applied for each semester of enrollment.

## SOPHOMORE YEAR

	(16 credits)	Winter Semester		(15 credits)
Applied Linear Algebra	4	MATH216	Calculus II	4
Calculus I	4	MATH260	College Geometry	3
Literacy Methods	3	UEDU260	Developmental Psychology Urban Cnxt	3
Literacy Methods Lab	1	UEDU288	Instructional Planning & Delivery	3
Multicultural Teaching Practices	3	UEDU192	Teacher Assistance in Urban Schools	2
Tutoring in Urban Schools	1	UEDU152**	Experiential Learning	0
Experiential Learning	0			
	Calculus I  Literacy Methods  Literacy Methods Lab  Multicultural Teaching Practices  Tutoring in Urban Schools	Applied Linear Algebra       4         Calculus I       4         Literacy Methods       3         Literacy Methods Lab       1         Multicultural Teaching Practices       3         Tutoring in Urban Schools       1	Applied Linear Algebra         4         MATH216           Calculus I         4         MATH260           Literacy Methods         3         UEDU260           Literacy Methods Lab         1         UEDU288           Multicultural Teaching Practices         3         UEDU192           Tutoring in Urban Schools         1         UEDU152**	Applied Linear Algebra 4 MATH216 Calculus II Calculus I 4 MATH260 College Geometry Literacy Methods 3 UEDU260 Developmental Psychology Urban Cnxt Literacy Methods Lab 1 UEDU288 Instructional Planning & Delivery Multicultural Teaching Practices 3 UEDU192 Teacher Assistance in Urban Schools Tutoring in Urban Schools 1 UEDU152** Experiential Learning

\*\*UEDU152 can be completed in 1-2 semesters and must be completed within the same academic year. A course fee is applied for each semester of enrollment.

#### JUNIOR YEAR

Fall Semester		(16 credits)	Winter Semester		(17 credits)
HIST270	Survey of American History	4	HIST265	Survey of World History	4
MATH250	Discrete Structures	3	MATH350	Differential Equations with Modeling	4
STAT322	Inferential Statistics	3	UEDU370	Advanced Secondary Science Methods	3
UEDU285	Teaching Diverse Learners	3	UEDU374	MTTC Prep Course	3
UEDU340	Using Technology to Enhance Learning	3		Open Electives	3
UEDU153**	Experiential Learning	0	UEDU153**	Experiential Learning	0

\*\*UEDU153 can be completed in 1-2 semesters and must be completed within the same academic year. A course fee is applied for each semester of enrollment.

## SENIOR YEAR

Fall Semester		(16 credits)	Winter Semester		(12 credits)
MATH440	Mathematical Structures and Proofs	4	UEDU425	Inquiry-Based Urban STEM Methods	3
UEDU325	Classroom Data & Assessment	3	UEDU438	STEM Literacy in Urban Context	3
UEDU371	Secondary Math Instruction	3	UEDU495	Urban STEM Capstone	3
UEDU415	Inquiry-Based STEM Curriculum Design	3		Open Electives	3
	Open Elective	3	UEDU154**	Experiential Learning	0
UEDU154**	Experiential Learning	0			

\*\*UEDU154 can be completed in 1-2 semesters and must be completed within the same academic year. A course fee is applied for each semester of enrollment.

This information is subject to change and cannot be considered an agreement or contract between individual students and Davenport University. Refer to the current University catalog to confirm degree requirements.

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Last Updated: 7/31/2023 MP Finalized: