



**URBAN STEM EDUCATION SECONDARY (BS)**  
**Math Concentration**  
**2025-2026 RECOMMENDED PROGRAM SEQUENCE (Full-time)**  
**120 CREDITS**

UE STEMSC BS [MTHC]

**FRESHMAN YEAR**

<b>Fall Semester</b>		<b>(12 credits)</b>	<b>Winter Semester</b>		<b>(16 credits)</b>
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

\*\*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**

<b>Fall Semester</b>		<b>(15 credits)</b>	<b>Winter Semester</b>		<b>(15 credits)</b>
MATH215	Calculus I	4	MATH205	Applied Linear Algebra	4
HIST270	Survey of American History	3	MATH260	College Geometry	3
UEDU240	Literacy Methods	3	UEDU260	Developmental Psychology Urban Cnxt	3
UEDU240L	Literacy Methods Lab	1	UEDU288	Instructional Planning & Delivery	3
UEDU330	Multicultural Teaching Practices	3	UEDU192	Teacher Assistance in Urban Schools	2
UEDU191	Tutoring in Urban Schools	1	UEDU152**	Experiential Learning	0
UEDU152**	Experiential Learning	0			

\*\*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**

<b>Fall Semester</b>		<b>(16 credits)</b>	<b>Winter Semester</b>		<b>(16 credits)</b>
MATH216	Calculus II	4	HIST265	Survey of World History	3
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**

<b>Fall Semester</b>		<b>(16 credits)</b>	<b>Winter Semester</b>		<b>(12 credits)</b>
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		Open electives	3

\*\*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.