



URBAN STEM EDUCATION SECONDARY (BS)

Math Concentration

2022-2023 RECOMMENDED PROGRAM SEQUENCE (Full-time)

120 CREDITS

UE STEMSC BS [MTHC]

FRESHMAN YEAR						
<u>Fall Semester</u>			(15 credits)	<u>Winter Semester</u>		(14 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	UEDU151	Experiential Learning	0	
STAT220	Introduction to Statistics	3	UEDU191	Tutoring in Urban Schools	1	
				Open Electives	3	
SOPHOMORE YEAR						
<u>Fall Semester</u>			(17 credits)	<u>Winter Semester</u>		(15 credits)
HIST270	Survey of American History	4	HIST265	Survey of World History	4	
MATH215	Calculus I	4	MATH216	Calculus II	4	
MATH205	Applied Linear Algebra	4	UEDU152	Experiential Learning	0	
UEDU192	Teacher Assistance in Urban Schools	2	UEDU240	Literacy Methods	3	
UEDU330	Multicultural Teaching Practices	3	UEDU240L	Literacy Methods Lab	1	
			UEDU288	Instructional Planning & Delivery	3	
JUNIOR YEAR						
<u>Fall Semester</u>			(15 credits)	<u>Winter Semester</u>		(16 credits)
MATH250	Discrete Structures	3	MATH260	College Geometry	3	
STAT322	Inferential Statistics	3	MATH350	Differential Equations with Modeling	4	
UEDU260	Developmental Psychology Urban Cnxt	3	UEDU153	Experiential Learning	0	
UEDU285	Teaching Diverse Learners	3	UEDU370	Advanced Secondary Science Methods	3	
UEDU340	Using Technology to Enhance Learning	3	UEDU374	MTTC Prep Course	3	
				Open Electives	3	
SENIOR YEAR						
<u>Fall Semester</u>			(16 credits)	<u>Winter Semester</u>		(12 credits)
MATH440	Mathematical Structures and Proofs	4	UEDU154	Experiential Learning	0	
UEDU325	Classroom Data & Assessment	3	UEDU425	Inquiry-Based Urban STEM Methods	3	
UEDU371	Secondary Math Instruction	3	UEDU438	STEM Literacy in Urban Context	3	
UEDU415	Inquiry-Based STEM Curriculum Design	3	UEDU495	Urban STEM Capstone	3	
	Open Elective	3		Open Electives	3	

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.