



URBAN STEM EDUCATION ELEMENTARY (BS)
Elementary Integrated Science Concentration
2024-2025 RECOMMENDED PROGRAM SEQUENCE (Full-time)
121 CREDITS

UE STEMEL BS [EISC]

FRESHMAN YEAR

Fall Semester	(16 credits)	Winter Semester	(14 credits)		
ACES100	Achieving Career and Education Success	3	ENGL110	Advanced Composition	3
BIOL100	Introduction to Biology	3	HIST265	Survey of World History	3
BIOL100L	Introduction to Biology Lab	1	POLS245	Political Science Perspectives US/Global	3
ENGL109	Composition	3	SOSC201	Diversity in Society	3
HUMN101	Arts and Culture	3	UEDU151**	Experiential Learning	0
MATH120	College Mathematics	3		Open Elective	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

Fall Semester	(15 credits)	Winter Semester	(16 credits)		
HIST270	Survey of American History	3	BIOL111	Organisms and Populations	3
PHYS100	Applied Physics	2	BIOL111L	Organisms and Populations Lab	1
PHYS100L	Applied Physics Lab	1	CHEM150	Foundations of Chemistry	3
UEDU240	Literacy Methods	3	CHEM150L	Foundations of Chemistry Lab	1
UEDU240L	Literacy Methods Lab	1	UEDU260	Developmental Psychology Urban Context	3
UEDU330	Multicultural Teaching Practices	3	UEDU192	Teacher Assistance in Urban Schools	2
UEDU191	Tutoring in Urban Schools	1	UEDU288	Instructional Planning & Delivery	3
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

Fall Semester	(15 credits)	Winter Semester	(16 credits)		
UEDU285	Teaching Diverse Learners	3	GEOL140	Physical Geology	3
UEDU340	Using Technology to Enhance Learning	3	UEDU267	Integrated Science Teaching Methods K-8	3
UEDU430	Teaching Health Promotion	3	UEDU374	MTTC Prep Course	3
UEDU345	Social Science Teaching Methods K-12	3	UEDU434	Teaching Physical Education	3
ENVS125	Introduction to Environmental Science	3	BIOL120	Essentials of Anatomy and Physiology	4
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	(13 credits)		
MATH150	Pre-Calculus	4	UEDU425	Inquiry-Based Urban STEM Methods	3
UEDU325	Classroom Data & Assessment	3	UEDU438	STEM Literacy in Urban Context	3
UEDU365	Math Instruction Mtds K-8	3	UEDU440	Teaching Visual & Performing Arts	3
UEDU415	Inquiry-Based STEM Curriculum Design	3	UEDU495	Urban STEM Capstone	4
GEOL120	Astronomy	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.