

URBAN STEM EDUCATION SECONDARY (BS)
Secondary Integrated Science Concentration
2023-2024 RECOMMENDED PROGRAM SEQUENCE (Full-time)
121 CREDITS

UE STEMSC BS [SISC]

FRESHMAN YEAR

Fall Semester		(13 credits)	Winter Semester		(14 credits)
ACES100	Achieving Career and Education Success	3	BIOL111	Organisms and Populations	3
BIOL110	Foundations of Cell Biology	3	BIOL111L	Organisms and Populations Lab	1
BIOL110L	Foundations of Cell Biology Lab	1	ENGL110	Advanced Composition	3
ENGL109	Composition	3	SOSC201	Diversity in Society	3
MATH120	College Mathematics	3	MATH150	Pre-Calculus	4
UEDU151**	Experiential Learning	0	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		(16 credits)	Winter Semester		(16 credits)
HIST270	Survey of American History	4	HIST265	Survey of World History	4
CHEM160	General Chemistry 1	3	CHEM161	General Chemistry II	3
CHEM160L	General Chemistry 1 Lab	1	CHEM161L	General Chemistry II Lab	1
UEDU330	Multicultural Teaching Practices	3	UEDU260	Developmental Psychology Urban Context	3
UEDU191	Tutoring in Urban Schools	1	UEDU288	Instructional Planning & Delivery	3
UEDU240	Literacy Methods	3	UEDU192	Teacher Assistance in Urban Schools	2
UEDU240L	Literacy Methods Lab	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

Fall Semester		(18 credits)	Winter Semester		(16 credits)
BIOL209	Techniques in Laboratory Science	4	CHEM275	Chemistry Laboratory Safety	3
BIOL211	Microbiology	3	GEOL140	Physical Geology	3
BIOL211L	Microbiology Lab	1	PHYS220	Fundamentals of Physics II	3
PHYS210	Fundamentals of Physics I	3	PHYS220L	Fundamentals of Physics II Lab	1
PHYS210L	Fundamentals of Physics I Lab	1	UEDU370	Advanced Secondary Science Methods	3
UEDU285	Teaching Diverse Learners	3	UEDU374	MTTC Prep Course	3
UEDU340	Using Technology to Enhance Learning	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		(15 credits)	Winter Semester		(13 credits)
CHEM320	Introduction to Physical Chemistry	3	CHEM325	Chemistry Lab Instruments & Applications	3
GEOL120	Astronomy	3	UEDU425	Inquiry-Based Urban STEM Methods	3
HUMN101	Arts and Culture	3	UEDU438	STEM Literacy in Urban Context	3
UEDU325	Classroom Data & Assessment	3	UEDU495	Urban STEM Capstone	4
UEDU415	Inquiry-Based STEM Curriculum Design	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.

Last Updated: 7/31/2023 MP

Finalized: