

**URBAN STEM EDUCATION SECONDARY (BS)**  
**Secondary Integrated Science Concentration**  
**2024-2025 RECOMMENDED PROGRAM SEQUENCE (Full-time)**  
**121 CREDITS**

UE STEMSC BS [SISC]

**FRESHMAN YEAR**

<b>Fall Semester</b>		<b>(13 credits)</b>	<b>Winter Semester</b>		<b>(14 credits)</b>
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**

<b>Fall Semester</b>		<b>(15 credits)</b>	<b>Winter Semester</b>		<b>(15 credits)</b>
HIST270	Survey of American History	3	HIST265	Survey of World History	3
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**

<b>Fall Semester</b>		<b>(17 credits)</b>	<b>Winter Semester</b>		<b>(16 credits)</b>
BIOL382	Science Ethics	3	CHEM275	Chemistry Laboratory Safety	3
BIOL336	Genetics	4	GEOL140	Physical Geology	3
PHYS210	Fundamentals of Physics I	3	PHYS220	Fundamentals of Physics II	3
PHYS210L	Fundamentals of Physics I Lab	1	PHYS220L	Fundamentals of Physics II Lab	1
UEDU285	Teaching Diverse Learners	3	UEDU370	Advanced Secondary Science Methods	3
UEDU340	Using Technology to Enhance Learning	3	UEDU374	MTTC Prep Course	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>(15 credits)</b>	<b>Winter Semester</b>		<b>(17 credits)</b>
CHEM250	Organic Chemistry 1	3	BIOL354	Cell and Molecular Biology	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		Open Elective	4

\*\*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.