

URBAN STEM EDUCATION ELEMENTARY (BS)
Elementary Integrated Science Concentration
2023-2024 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	4
BIOL100L	Introduction to Biology Lab	1	POLS245	Political Science Perspectives US/Global	4
ENGL109	Composition	3	SOSC201	Diversity in Society	3
HUMN101	Arts and Culture	3	UEDU151**	Experiential Learning	0
MATH120	College Mathematics	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	4	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.



Last Updated: 7/31/2023 MP

Finalized: