Mercy University

Academic Program Sequence Map

Program Degree Type and Name: BS - Early Childhood and Childhood Education-STEM Concentration-ECST_____   **Catalog Year:** 2025-2026

Program Level: Graduate   **Academic Term Type:** Semester

Denote core course with an asterisk next to the course number and (cc)

Year and Term: Year 1 Fall Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
Math 115: Math for the LA	3	x					GC
English 111: Written English & Lit Studies I	3	x					
Ethical Perspectives requirement	3	x					
The Arts requirement	3	x					
CINQ 101: Critical Inquiry	3	x					
Term Credit Total:	15	15					

Year and Term: Year 1 Spring Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
COMM 110 Oral Communication	3	x				Placement at	
ENGL 112: Written Engl & Lit. Studies II	3	x				ENGL111	
Scientific Perspectives requirement	3	x					
EDUC 205 Contemporary Issues in Childhood and	3	x					
CISC/MATH120: Intro to Computers	3	x				MATH115 or 116	
Term Credit Total:	15						

Year and Term: Year 2 Fall Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
Language & Cultural Perspectives requirement	3	x					
EDUC 121 Foundations of Childhood and Early Childhood Education	3		x				GC, CA, ELC
Open elective	3			x			
Historical & Global Perspectives requirement	3	x					
EDUC 123 Fundamentals of Teaching Students with Disabilities	3		x				ELC
Term Credit Total:	15	6	6	3			

Year and Term: Year 2 Spring Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
EDUC 122 Foundations of Literacy Instruction	3		x				ELC
EDUC 120 Assessment for Instructional Improvement	3		x				ELC
Literature & Communication requirement	3	x					
Science disciplinary grouping: BIOL 110 Introduction to Human Biology	3	x					
Mathematics disciplinary grouping: MATH 117 Statistics (3 cr.)	3	x					
Term Credit Total:	15	9	6				

Year and Term: Year 3 Fall Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
EDUC 124 Introduction to Second Language Teaching and Learning	3		x				ELC
EDUC 220 Planning for Instruction Through Inquiry	3		x				ELC
Science disciplinary grouping: PHYS 110 Introduction to Physics	3	x					
Science disciplinary grouping: EXSC 110 - Foundations of Exercise Science	3	x					
Content major elective	3		x				
Term credit total:	6	6	9				

Year and Term: Year 3 Spring Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
EDUC 222 Digital Literacy for All Students	3		x				ELC
EDUC 221 Teaching Methods for Mathematics	3		x				ELC
JRSM 301: Junior Seminar	3	x					
Mathematics disciplinary grouping: CISC 131 Foundations of Computing	3	x					
Content major elective	3		x				
Term Credit Total:	15	6	9				

Year and Term: Year 4 Fall Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice)
EDUC 223 Using Engineering Approaches for All Subjects	3		x				ELC
Science disciplinary grouping: CHEM 110 Introduction to Chemistry	3	x					
Content major elective	3		x				
Open elective	3			x			
Open elective	3			x			
Term Credit Total:		3	6	6			

Year and Term: Year 4 Spring Term

Course Number & Title	CR	GE	Maj	OE	SM	Co/Pre requisite(s)	Milestones/Advice
EDUC 400 Student Teaching Seminar	9	x				Director's approval	ELC, WBE
Open elective	3			x			
Open elective	3			x			
EDUC 477 Health & Safety Workshop	0	x					
Term Credit Total:			9	6			

PROGRAM TOTALS	Credits: 120	General Education: 60 credits	Major & Major Elective: 45 credits	Open Elective: 15 credits

lective   **SM**: Success Marker   **Co/Prerequisite(s)**: List of co/ prerequites for noted course GC: Gateway Course CA: Career Activity ELC: Experiential Learning Course WBE: Work-Based Experience