

CURRICULUM MAP



MERRIMACK COLLEGE

STEM Education/Elementary Education, BA

YEAR ONE

FALL

Foundations & Principles of Ed – EDU 2110	4 credits	Major Requirement
General Chemistry I – CHM 1110	4 credits	Major Requirement
Intro to Human Services – HDE 1020	4 credits	Major Requirement
First Year Seminar – FYS 1947	4 credits	FC Core Requirement (FYS)

Total Credits – 16

SPRING

Diversity, Social Justice, & Ethics – HDE 2130	4 credits	Major Requirement & FC Core Req. (DJP)
Religion Course	4 credits	FC Core Requirement (RTS)
Foundations of STEM – STM 1010	4 credits	Major Requirement & FC Core Req. (Cert #1)
Major Elective	4 credits	Major Elective
Career Design - WIN1000	1 credit	Major Requirement

Total Credits – 17

YEAR TWO

FALL

Foundations of Mathematics I – MTE 1410	4 credits	Major Requirement & FC Core Req. (Cert #2)
Teaching and Assessing Writing – EDU 3311	4 credits	Major Requirement
Teaching Social Studies – EDU 4320	2 credits	Major Requirement
Children's Literature – EDU 4340	2 credits	Major Requirement
Calculus I – MTH 1217	4 credits	Major Requirement & FC Core Req. (STEM)
Algebraic Thinking for Educators – MTE 1411	2 credits	Major Requirement & FC Core Req. (Cert #3)
Pre-Practicum I – EDU 2500	0 credits	Major Requirement

Total Credits – 18

SPRING

Principles of Biology II – BIO 1028	4 credits	Major Requirement
Teaching Science – EDU 3360	4 credits	Major Requirement
Major Elective	4 credits	Major Elective
Foundations of Math II – MTH 1412	4 credits	Major Requirement & FC Core Req. (Cert #4)
U.S. History I – HIS 1106	4 credits	Major Requirement & FC Core Req. (Cert #5)

Total Credits – 20

YEAR THREE

FALL

Social Science Course	4 credits	FC Core Requirement (SOSC)
Major Elective- recommend HDE3000W	4 credits	Major Elective
Teaching Reading and LA – EDU 3310	4 credits	Major Requirement
Intro to Human Development - HDE1001	4 credits	Major Requirement
Career Readiness - WIN1050	1 credit	Major Requirement
Pre-Practicum II – EDU 2510	0 credits	Major Requirement

Total Credits – 17

SPRING

Psychology of Learning – HDE 3210	4 credits	Major Requirement
Intro to Literary Studies – ENG 2050	4 credits	Major Requirement & FC Core Requirement (HUM)
Major Elective	4 credits	Major Elective
General Physics – PHY2201	4 credits	Major Requirement
Exceptional Learner – EDU 2410	4 credits	Major Requirement

Total Credits – 20

YEAR FOUR

FALL

Teaching Math – EDU 3340	4 credits	Major Requirement
Major Elective	4 credits	Major Elective
Sheltered English Instruction – EDU 4582	4 credits	Major Requirement
STEM Capstone – STM 3000	4 credits	Major Requirement
Technology or Engineering Course	4 credits	Major Requirement
Pre-Practicum III – EDU 2520	0 credits	Major Requirement

Total Credits – 20

SPRING

Differentiation and Instruction – EDU 4220	2 credits	Major Requirement
Positive Learning Environments – EDU 4221	2 credits	Major Requirement
Practicum – EDU 4903	12 credits	Major Requirement
Practicum Seminar – EDU 4921	0 credits	Major Requirement

Total Credits – 16

Notes: This is a sample curriculum map. Students may progress toward graduation using alternative pathways. In addition, 'FC Core Requirement' signifies that the course is required as part of the *Foundations and Connections Core* - the College's general education program.