

BA in Math & BA in Education – K-12 Subject Matter Specialization

Degrees and Certification Advising Guide

General Education Requirements (60 credits)

Communication Bank (9 credits)

College Composition I	3	_____
College Composition II	3	_____
Public Speaking	3	_____

Math/Science Bank (11 credits)

Physics I (Calculus Req.)	4	_____
Physics II (Calculus Req.)	4	_____
Discrete Mathematics	3	_____

Social/Behavioral Sciences Bank (6 credits)

SBS Elective	3	_____
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Non-Program Courses (25 credits)

History of American Education	3	_____
Literacies in Today's World	3	_____
Intro to Scientific Programming	3	_____
Elective (MC/G)	3	_____
Adolescent Development	3	_____
Characteristics of Knowledge Acquisition	3	_____
Human Exceptionality	3	_____
Elective	4	_____

(Foreign Lang, not req. but recommended)

History/Humanities/Language Bank (6 credits)

Intro to Symbolic Logic	3	_____
Literature Course	3	_____

Arts Bank (3 credits)

Music or Art History or Appreciation	3	_____
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Education Requirements (33 credits)

Teaching: An Introduction to the Profession	3	_____	Teaching & Learning Math (content) B	3	_____
Teaching in the Learning Community I (TLC)	2	_____	Practicum B	1	_____
Teaching in the Learning Community II (TLC)	2	_____	Teaching Students Cult. & Ling. Diversity	1	_____
Teaching Literacy	3	_____	Clinical Practice	10	_____
Teaching & Learning Math (content) A	3	_____	Subject Matter Clinical Seminar	1	_____
Practicum A	1	_____	Integrating Ed. Technology into Teaching	1	_____
Differentiating Instruction	2	_____			

Math Requirements (39 credits)

Calculus I (prereq. Precalculus)	4	_____	Intro Real Analysis I	3	_____
Calculus II (prereq. Discrete Math)	4	_____	Prob. & Stat. I	3	_____
Calculus III	4	_____	Senior Seminar (WI)	3	_____
Linear Algebra	3	_____	College Geometry	4	_____
Ord. Differential Equations	3	_____	Math elective	3	_____
Modern Algebra I	3	_____	Math elective	2	_____

(blue)

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Total Credits 132

Degree requirement must include:

Multicultural/Global (M/G) _____ Writing Intensive (WI) _____ Broad Based Literature (LIT) _____

*Students pursuing a BA in Math and a BA in Education must have an advisor in both programs.

**All freshmen must take a Rowan Seminar.