

# Interdisciplinary Mathematics & Teacher Preparation

## — PK-6, 6-8

Degree Type  
B.A.

The Senior Project for non-teacher track students is Mathematics 420 . The senior project for students who complete a teacher preparation endorsement is Mathematics 421.

Substitutions for students seeking licensure in elementary and middle school endorsement must be approved by the Director of the Neff Center for Teacher Education and the Chair of the Mathematics Department, guided by teacher certification requirements.

## Requirements

Item #	Title	Semester Hours
MATH 124	Precalculus	3
MATH 125	Precalculus Lab	1
MATH 151	Calculus I	4
MATH 161X	Introduction to Statistics	4
MATH 201	Intro to Mathematical Reasoning	3
MATH 340	Geometry	3
MATH 420	History of Math	3
PHYS 100	Conceptual Physics	4

## Professional Requirements

Item #	Title	Semester Hours
EDUC 114	Introduction to Education	1
EDUC 115	Early Field Experience	1
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EDUC 305	Human Growth & Development	3
EDUC 310	Teach Read & the Language Arts	3
EDUC 340	Teaching of Math/Sci in Elem/Ms	3
EDUC 370	Survey of Exceptional Children	3
EDUC 401	Practicum in Education	2
EDUC 410	Practicum: Reading Problems	3
EDUC 420	Teaching in Elem/Middle	2
EDUC 421	Supv Teach in Elementary & Middle	10
EDUC 430	Elem/Middle Methods	3
EDUC 445	Foundations of Education	3

# Additional Requirements

Item #	Title	Semester Hours
	RELG 111 or RELG 131 or RELG or 132 or RELG 200	3
ENGL 200	Reading & Writing About Literature	3
ENGL 317	Lit for Children & Young Adults	3
ENGL 333	Linguistics	3
MATH 311	Fundamentals of Mathematics I	3
HIST 111	American History to 1861	3
HIST 112	American History Since 1861	3
HIST 122	Modern Europe	3
POLS 103	Politics of the United States	3
	GEOG 111 or GEOG 331	3
	BIOL 105 or BIOL 117	4
	ART 111 or ART 241 or MUSC 318 or THRE 105	3
	ECON 151 or ECON 152	3
	CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101	4
	<b>Total Credits</b>	<b>106</b>

## RELG 111 or RELG 131 or RELG or 132 or RELG 200

Elective Credits 3

Met in Religion Core requirement.

Item #	Title	Semester Hours
RELG 111	World Religions	3
RELG 131	Old Testament Survey	3
RELG 132	New Testament Survey	3
RELG 200	Introduction to the Christian Faith	3

## GEOG 111 or GEOG 331

Elective Credits 3

Item #	Title	Semester Hours
GEOG 111	Human Geography	3
GEOG 331	Geography of US & Canada	3

## BIOL 105 or BIOL 117

Elective Credits 4

Item #	Title	Semester Hours
BIOL 105	Intro to College Biology	4

## ART 111 or ART 241 or MUSC 318 or THRE 105

Elective Credits 3

Met in Modes of Inquiry Core Requirement.

Item #	Title	Semester Hours
ART 111	Introduction to Art and Design	3
ART 241	Crafts I	3
MUSC 318	Music and Culture	3
THRE 105	Introduction to Acting	3

## ECON 151 or ECON 152

Elective Credits 3

Item #	Title	Semester Hours
ECON 151	Principles of Microeconomics	3
ECON 152	Principles of Macroeconomics	3

## CHEM 111 or ESCI 111 or ESCI 201 or PHYS 100 or PHYS 101

Elective Credits 4

Item #	Title	Semester Hours
CHEM 111	General Chemistry I	4
ESCI 111	Physical Geology	4
ESCI 201	Weather & Climate	3
PHYS 100	Conceptual Physics	4
PHYS 101	Astronomy	4