

CONTENT REQUIREMENTS FOR MIDDLE CHILDHOOD LICENSURE (grades 4-9)

AREAS OF CONCENTRATION (AOC)

For middle childhood licensure, students must complete two areas of concentration (AOC) with a minimum GPA of 2.7 in each. The courses listed in each area cover state-mandated competencies. Any substitutions not listed on the approved substitution list require written faculty approval based on a review of syllabi or detailed course descriptions.

SCIENCE AOC (minimum 36 hrs)

One course must relate to environmental science and one course must relate to societal perspectives.

LIFE SCIENCES

Select one sequence:

Biol 101	Introductory Biology	
Biol 102	Human Biology	5 _____

OR

Biol 113	Energy Transfer & Development	
Biol 114	Form, Function, Diversity, & Ecology	5 _____

PHYSICAL SCIENCES

Select one:

Chem 101	Elementary Chemistry	
Chem 121	General Chemistry	5 _____

Select one:

Phys 106	Physics by Inquiry	
Phys 103	The World of Energy I*	5 _____

EARTH SCIENCES

Select one sequence:

Earth Science 100	Planet Earth: How it Works	
Geography 120	Earth Systems II: Atmos Environ	5 _____

OR

Earth Science 121	The Dynamic Earth	
Earth Science 122	Earth through Time	5 _____

ELECTIVES (see approved list - either *Physics 106, 107, or 108* is highly recommended if not taken already)

	3-5 _____
	3-5 _____

GPA _____ **TOTAL HOURS** _____

MATHEMATICS AOC (minimum 33 hrs)

Math 108	Mathematics Concepts for Teachers I	5 _____
Math 109	Mathematics Concepts for Teachers II	5 _____
Math 110	Mathematics Concepts for Teachers III	5 _____

Select one:

Math 148	Algebra and Trigonometry	
Math 150	Elementary Functions	
Math 568	Introductory Linear Algebra	3-5 _____

Select one:

Math 111	Concepts of Calculus for Middle School Teachers	
Math 117	Survey of Calculus	
Math 151	Calculus & Analytical Geometry I	5 _____

Select one:

Stat 135	Elementary Statistics	
Stat 145	Intro to the Practice of Statistics	
Stats 427 & 428	Probability and Statistics for Engineering & Sciences	5-6 _____

Select one:

CS&E 101	Computer-Assisted Problem Solving	
CS&E 201	Elementary Computer Programming	
CS&E 221	Software Development Using Components	4 _____

GPA _____ **TOTAL HOURS** _____

THE FOLLOWING COURSES ARE RECOMMENDED AS PREREQUISITES

Students who do not take the following courses at the undergraduate level prior to beginning the M.Ed. will have a heavier load in the master's program.

P&L 609.07	Teaching as a Profession	3 _____
P&L 309.07	Psychological Perspectives on Ed	5 _____
Edu P&L 306.07	School and Society	
or 650.02	History of Modern Education	3-5 _____
Edu P&L 607.07, Psych 551		
or HDFS 362	Adolescent Development/Learning	3-5 _____
Edu PAES 650 (or 251)	Intro to Exceptional Children	3-5 _____

***Note: Physics 103 may only be substituted for Physics 106 if taken at the Newark Regional Campus**

READING COURSES REQUIRED FOR ALL STUDENTS

In addition to the courses listed for each AOC, the required reading courses should be taken at the undergraduate level prior to beginning the M.Ed.

Edu T&L 467	Intro to Children’s Literature <i>(not required for students planning to teach Math and Science only)</i>	3 _____
Edu T&L 668.07	Reading Foundations	4 _____
Edu T&L 669.07	Phonics	5 _____

SOCIAL STUDIES AOC (minimum 35 hrs)

Anthro 202	Intro to Cultural Anthropology	5 _____
Econ 200	Principles of Microeconomics	5 _____
Econ 201	Principles of Macroeconomics	5 _____
Geog 240	Economic and Social Geography	5 _____
Hist 151	American Civilization to 1877	5 _____
Hist 181	World History to 1500	5 _____
Select one:		
Poli Sc 100	Intro to Comparative Politics	
Poli Sc 165	Intro to Politics	
Poli Sc 210	Intro to Political Theory	5 _____

GPA _____ **TOTAL HOURS** _____

READING AND LANGUAGE ARTS AOC (minimum 38 hrs)

Edu T&L 467	Intro to Children’s Lit	3 _____
Edu T&L 656	Literature for Adolescents	3 _____
Eng 271	Intro to English Language Study	5 _____
Edu T&L 668.07	Reading Foundations	4 _____

American Literature (select one):

Eng 290	Colonial & U.S. Lit to 1865	
Eng 291	U.S. Literature, 1865 to Present	
Eng 550	Colonial & U.S. Lit to 1830	
Eng 551	U.S. Lit, 1830-1865	
Eng 553	20th Century U.S. Fiction	5 _____

World Literature (select one):

AAAS 251	Intro to African Literature	
Classics 222	Classical Mythology	
Comp St 201	Literature and Society	
Comp St 203	Literature and the Self	
EALL 151	Masterpieces of East Asian Lit	
Russian 250	Masterpieces of 19 th Century Russian Lit	5 _____

Oral Communication (select one):

Com 321 (or 105)	Principles of Effective Public Speaking	
Com 367	Persuasive Communication	
Ed T&L 633	Teaching & Learning with Drama	
Ag Comm 367	Ag Issues in Contemporary Am Society	
Ag Com 390	Oral Expression in Agriculture	3-5 _____

Written Communication (select one):

Edu T&L 607	Writing Course in Early & Middle Childhood	
English 367	Intermediate Essay Writing	
English 398	Critical Writing	
English 467	Writing and Learning	5 _____

Media Studies (select one):

Com 200	Communication in Society	
Com 240	Intro to Communication Technology	
Com 341	Policy Issues in Comm Technology	
Eng 263	Introduction to Film	5 _____

GPA _____ **TOTAL HOURS** _____