

MATHEMATICS—TEACHER CERTIFICATION, B.A.

Completion of this major program prepares one for a career as a math teacher in elementary, middle, and high schools, in which math is taught as a separate subject. Continued study may include a master’s degree in mathematics, mathematics education, computer science, environmental science, business administration, or other related fields.

THE REQUIREMENTS FOR ADMISSION TO THIS CONCENTRATION ARE:

- A minimum cumulative undergraduate grade point average (CGPA) of 3.0.
- A minimum of B- or better on all education courses
- Passing scores on the Praxis CORE, **or** 560 verbal, 540 Math on the SAT, **or** 23 or higher on the ACT, **or** 155 verbal, 156 quantitative on the GRE.

Passing scores on the Praxis CORE Academic Skills for Educators Tests, as of 9/1/15:

- Math Test#5732 Passing Score 150
- Reading Test#5712 Passing Score 156
- Writing Test#5722 Passing Score 162

For more information on Praxis exams: <https://www.ets.org/praxis/nj/requirements>

THE REQUIREMENTS FOR COMPLETION OF THIS DEGREE TRACK ARE:

- Completion of NJCU General Education requirements or equivalent
- Passing scores on appropriate Praxis II Exam
- A minimum cumulative GPA of 3.0
- Successful completion of clinical experience and clinical practice

This includes successful submission of the performance assessment, edTPA, as required by the New Jersey Department of Education.

Note: For the most updated information on this teaching certification program, students are directed to contact the College of Education as changes may have occurred since publication.

Code	Title	Credits
Required		
MATH 140	Statistics I	3
MATH 166	Elementary Functions	3
MATH 192	Calculus and Analytic Geometry I	4
MATH 193	Calculus and Analytic Geometry II	4
MATH 292	Calculus & Analytical Geometry III	4
MATH 260	Linear Algebra	3
MATH 295	Survey of Modern Mathematics	3
MATH 311	Differential Equations for Engineers	4
MATH 320	Modern Geometry I	3
or MATH 512	Professionalized Subject Matter in Geometry	
MATH 330	Mathematical Statistics I	3
MATH 370	Abstract Algebra	3
Required General Education Program Courses		
BIOL 225	Human Sexual Biology	3

or BIOL 224	The Human Body	
PSYC 152	Development Adolescence to Adulthood	3
or PSYC 150	Developmental: Birth Through Adolescence	
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
INTD 180	Computer Tools For Science and Mathematic Majors	3

Required Education Courses

Phase I (May be taken separately and in any order):

EDU 280	Challenges in Urban Education	3
LTED 230	Focus: Reading Language & Literacy	3

Phase II (May be taken separately or with Phase III): ¹

EDU 330	Focus: Development, Behavior and Learning	3
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EDU 331	Clinical Practice I	2
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Phase III (Taken concurrently and offered fall semesters only):

LTED 370	Secondary:Reading & Language Workshop	2
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SPEC 508	Helping Exceptional Children and Youth in the Regular Classroom	3
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EDU 2372	Methods and Materials of Teaching Mathematics in Middle and Secondary Schools	3
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Phase IV (Taken concurrently):

EDU 485	Classroom Management and Assessment Internship Seminar	2
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EDU 470	Concurrent Student Teaching Seminar	2
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EDU 480	Clinical Practice II	8
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¹ Passing scores on the Praxis Core are required before continuing into Phase II.

Course	Title	Credits
Freshman		
Semester 1		
ENGL 101	English Composition I	4
or ESL 101	or English Composition I for English as a Second Language Students	
INTD 101	Orientation to College ^{*First time freshman only}	1
MATH 175	Enhanced Precalculus	4
WGST 110	Diversity and Difference: Identities, Communities, and Cultures	3
BIOL 225	Human Sexual Biology	3
or BIOL 224	or The Human Body	
MATH 140	Statistics I	3
	Credits	18
Semester 2		
ENGL 102	English Composition II	4
or ESL 102	or English Composition II for English as a Second Language Students	
PSYC 152	Development Adolescence to Adulthood	3
or PSYC 150	or Developmental: Birth Through Adolescence	
MATH 166	Elementary Functions	3
MATH 192	Calculus and Analytic Geometry I	4

