

Name \_\_\_\_\_

Z Number \_\_\_\_\_

Date \_\_\_\_\_

## Curriculum Worksheet

Richard Stockton College of New Jersey School of Education

### Mathematics Certification– Post Baccalaureate (K-12)

**Must have 30 credits in a coherent sequence in the subject field of MATHEMATICS with 12 credits at the upper level. Courses accepted for Mathematics include algebra, geometry, calculus, and statistics. Mechanical engineering and electrical engineering majors are automatically acceptable. A grade of C or better is required in all content field courses.**

<i>Content Field Requirements</i> A grade of 'C' or better is required in all content field requirement courses.	Credits
<b>Recommended areas based on Praxis II requirements:</b>	
Economics/Financial Literacy	
Algebra/Number Theory	
Measurement, Geometry, Trigonometry	
Functions/Calculus	
Data Analysis, Statistics, Probability	
Matrix Algebra, Discrete Math	
<b>Total Mathematics credits (30):</b>	

<b>Undergraduate Major:</b>	
<b>Required 12 Upper Level Mathematics Credits?</b>	

<i>Prerequisite Requirement for entry into EDUC Program</i>	Term	Grade
<b>PSYC 3391</b> Educational Psychology & 40 hour Fieldwork - Students who have taken an Educational Psychology course at another institution and have received a grade of 'B-' or better are required to enroll in <b>PSYC3890</b> , the one credit Ed. Psych fieldwork		

<i>Professional Requirements</i> A grade of C or better is required on all professional requirement courses	Term	Grade
<b>EDUC2241:</b> Educating Students w/Special Needs		
<b>International/Multicultural (I) course</b>		
<b>PSYC3323</b> Dev. Psychology (Child & Adolescent), <b>PSYC3322</b> Lifespan Development, OR <b>PSYC2201</b> Psychology of Adolescence		
<b>INTC 2610</b> Instructional Technology for K-12 Teachers		
<b>EDUC 1515</b> – Diversity in Family, Schools, and Communities (4)		
<b>County Health Test/Course</b>		

**Professional Education** - Grade of B- or better required in all EDUC courses for continuation in Program (26 credits)

<b>Testing Requirements: Praxis II Test(s): Mathematics: Content Knowledge (Computer - 5061)(graphing calculator required)</b>	Score:

<i>Introductory Semester</i>		
<b>EDUC 3101</b> Introductory fieldwork – 80 hours (2)		
<b>EDUC 3200</b> Practices & Techniques of Teaching (4)		
<b>Mandated Pre-Service HIB Training Certificate</b>		

<i>Intermediate Semester</i>		
<b>EDUC 4120</b> Reading in the Content Area (2)		
<b>EDUC 4600</b> Intermediate fieldwork - 80 hours (2)		
<b>EDUC 4606</b> Curriculum & Methods of Science & Math (4)		

<i>Certification Semester</i>
In order for your certificate to be processed, you must meet the following requirements: complete your BA/BS degree; complete all liberal arts content coursework required; and attain a minimum GPA of 2.75.

<b>EDUC 4990</b> Student Teaching - full 15-week experience (10)		
<b>EDUC 4991</b> Student Teaching Seminar (2)		

**PRAXIS I/SAT/ACT:** \_\_\_\_\_

**Date:** \_\_\_\_\_

**Completed BA?BS Degree In** \_\_\_\_\_ **Date** \_\_\_\_\_

Institution	QPTS	QHRS
_____	_____	_____
_____	_____	_____
_____	_____	_____
Total:	/	_____

Cumulative GPA: \_\_\_\_\_

Name \_\_\_\_\_


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**Mathematics: Content Knowledge (0061)****Test at a Glance**

Test Name	Mathematics: Content Knowledge		
Test Code	0061		
Time	2 hours		
Number of Questions	50		
Format	Multiple-choice questions, graphing calculator required		
	Content Categories	Approximate Number of Questions	Approximate Percentage of Examination
	I. Algebra and Number Theory	8	16%
	II. Measurement Geometry Trigonometry	3 5 4	6% 10% 8%
	III. Functions Calculus	8 6	16% 12%
	IV. Data Analysis and Statistics Probability	5-6 2-3	10-12% 4-6%
V. Matrix Algebra Discrete Mathematics	4-5 3-4	8-10% 6-8%	
	Process Categories		
	Mathematical Problem Solving Mathematical Reasoning and Proof Mathematical Connections Mathematical Representation Use of Technology		Distributed Across Content Categories

**About This Test**

The Praxis Content Knowledge test in Mathematics is designed to assess the mathematical knowledge and competencies necessary for a beginning teacher of secondary school mathematics. Examinees have typically completed a bachelor's program with an emphasis in mathematics or mathematics education.

The examinee will be required to understand and work with mathematical concepts, to reason mathematically, to make conjectures, to see patterns, to justify statements using informal logical arguments, and to construct simple proofs. Additionally, the examinee will be expected to solve problems by integrating knowledge from different areas of mathematics, to use various representations of concepts, to solve problems that have several solution paths, and to develop mathematical models and use them to solve real-world problems. This test may contain some questions that will not count toward your score.