

# CURR & INST MATH EDUCA (CIME)

<b>CIME 500 Math for the Elem Teach I</b>	<b>3 Credit hours</b>	
Systems of numeration, sets, relations, binary operations, decimal and other base systems, natural numbers, integers, rational numbers, and real numbers with emphasis on the algebraic structure.		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 501 Math for the Elem Tchr II</b>	<b>3 Credit hours</b>	
Continuation of CIME 500. Continuation of CIME 500. (PR: CIME 500)		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 555 Technical Math for Math Educa</b>	<b>3 Credit hours</b>	
Specialized mathematical knowledge for teaching: An in-depth analysis of the foundations of mathematics: numbers and operations, ratio and proportion, and numbering systems, with emphasis on workplace applications and mathematical tools. This course will cover the objectives of applied and technical preparation mathematics for teachers, with an emphasis on methodologies appropriate for those students who are likely to comprise these classes.		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 556 Finite Math for Math Educa</b>	<b>3 Credit hours</b>	
Specialized mathematical knowledge for teaching: A study of set theory; probability; data analysis; elements of discrete mathematics, such as combinatorics and graph theory; and the mathematics of finance. This course will cover the methods and objectives of business and technical preparation mathematics courses with an emphasis on teaching methodologies appropriate for those students who are likely to comprise these classes		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 560 Staff Development</b>	<b>1-4 Credit hours</b>	
Courses and activities designed to meet the inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrades if approved, but may not be used for degree programs. CR/NC grading.		
<b>Attributes:</b> Not Degree Applicable		
<b>Grade Mode:</b> Credit/No Credit Grade Only		
<b>CIME 561 Staff Development</b>	<b>1-4 Credit hours</b>	
Courses and activities designed to meet the inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrades if approved, but may not be used for degree programs. CR/NC grading.		
<b>Attributes:</b> Not Degree Applicable		
<b>Grade Mode:</b> Credit/No Credit Grade Only		
<b>CIME 562 Staff Development</b>	<b>1-4 Credit hours</b>	
Courses and activities designed to meet the inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrades if approved, but may not be used for degree programs. CR/NC grading.		
<b>Attributes:</b> Not Degree Applicable		
<b>Grade Mode:</b> Credit/No Credit Grade Only		
<b>CIME 563 Staff Development</b>	<b>1-4 Credit hours</b>	
Courses and activities designed to meet the inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrades if approved, but may not be used for degree programs. CR/NC grading.		
<b>Attributes:</b> Not Degree Applicable		
<b>Grade Mode:</b> Credit/No Credit Grade Only		
<b>CIME 564 Staff Development</b>	<b>1-4 Credit hours</b>	
Courses and activities designed to meet the inservice needs of public school personnel. Credit in these courses may be used for certificate renewal and salary upgrades if approved, but may not be used for degree programs. CR/NC grading.		
<b>Attributes:</b> Not Degree Applicable		
<b>Grade Mode:</b> Credit/No Credit Grade Only		
<b>CIME 580 Special Topics</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 581 Special Topics</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 582 Special Topics</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 583 Special Topics</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 584 Special Topics</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 585 Independent Study</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 586 Independent Study</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 587 Independent Study</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 588 Independent Study</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 591 Workshop</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 592 Workshop</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 593 Workshop</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 594 Workshop</b>	<b>1-4 Credit hours</b>	
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 650 Algebra for Math Educator</b>	<b>3 Credit hours</b>	
Specialized mathematical knowledge for teaching: An in-depth study of topics typically found in a college algebra course.		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 657 Precalculus for Math Educa</b>	<b>3 Credit hours</b>	
Specialized mathematical knowledge for teaching: A study of advanced algebraic structures and functions of change, including an introduction to calculus.		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 658 Geometry for Math Educator</b>	<b>3 Credit hours</b>	
Specialized mathematical knowledge for teaching: Basic concepts of logic and mathematical proofs. Topics include angle relationships, parallel, and perpendicular lines, circles, polygons, solids, triangles, elementary trigonometry, and use of geometry software.		
<b>Grade Mode:</b> Normal Grading Mode		
<b>CIME 670 Teaching Mathematics</b>	<b>3 Credit hours</b>	
Emphasis will be on planning for instruction based on how students learn mathematics, state or district standards, research on best practices, NCLB goals, and data from a variety of assessments.		
<b>Grade Mode:</b> Normal Grading Mode		

**CIME 673 Elem Math Methds Practice K-6 3 Credit hours**

Culmination course that provides a setting for examining research-based elementary math methods and leadership, and a supervised practicum teaching experience in an educational field-based environment.

**Pre-req:** CIME 500 and CIME 501 and CIME 555 and CIME 650 and CIME 658.

**Grade Mode:** Normal Grading Mode

**CIME 675 Superv Field Prac/Math 5-8 3 Credit hours**

Supervised practicum in which the student demonstrates and is assessed in mathematics teaching skills in a clinical setting in grades 5-9.

**Grade Mode:** Credit/No Credit Grade Only

**CIME 677 Superv Field Pract/Math 5-12 3 Credit hours**

Supervised practicum in which the student demonstrates and is assessed in mathematics teaching skills in a clinical setting in grades 9-12.

**Grade Mode:** Credit/No Credit Grade Only