

# ESSENTIALS OF NUMBER SYSTEMS AND ARITHMETIC, CERTIFICATE OF COMPETENCY

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This program introduces students to the essentials of beginning algebra, focusing on sets of numbers and the arithmetic of fractions, percents, and decimal numbers. Completing this certificate will help prepare students for essential beginning algebra concepts and skills necessary to succeed at college-level mathematics courses.

## Program Level Learning Outcomes

Upon completion of this program, students will be able to:

1. Identify which number sets a number is an element of.
2. Add and subtract fractions with different denominators.
3. Round a decimal to a desired place value.

Review Graduation Requirements (<https://catalog.cccd.edu/golden-west/graduation-requirements/certificates/#noncredittext>).

Course	Title	Hours
<b>Required Courses</b>		
MATH G050N	Sets of Numbers	6-10
MATH G051N	Fractions and Percentages	6-10
MATH G052N	Decimal Numbers	6-10
<b>Total Units</b>		<b>18-30</b>