## MATH LITERACY PATHWAY COURSES

## FUNDAMENTALS OF MATH

## Description

Offered through the CCS Adult Basic Education department. This course provides you with instruction in arithmetic and pre-algebra. Not for credit but success in the class guarantees admission to Math 87 or Math 93 . Contact the mathematics department for information on when this course is offered

## MATH 87 Algebra for Math Literacy I

## Description

This course is the first course in a two-quarter sequence leading to Math \&107, Math\& 146 and Phil \&120. Topics include simplifying expressions, creating and interpreting scatterplots, percent change, ratios, rates and proportions. Prerequisite: Appropriate placement score.

## MATH 88 Algebra for Math Literacy II

## Description

This course is the second course in a two-quarter sequence leading to Math\& 107, Math\& 146, and Phil\& 120. Topics include algebraic models of linear, quadratic and exponential functions, equations of lines, systems of equations, direct and inverse variation, descriptive statistics. Prerequisite: Math 87 , 91 , or 93 with a 2.0 or better within the last three years; or an appropriate placement score.

## Math\& 107 Math and Society

## Description

This course is a rigorous terminal mathematics course for students in the liberal arts. The course provides a solid foundation in the quantitative reasoning, symbolic reasoning, and critical thinking needed to be a productive member of society. The course core topics are proportional reasoning, the mathematics of personal finance, probability, descriptive statistics, and growth and decay models (linear and exponential). Prerequisite: MATH 88, 97, 98 or 99 with a 2.0 or better within the last three years or appropriate placement score.

## Math 88/Math\& 107 Smart Start

This course provides an opportunity to complete Math 88 and Math 107 in one quarter for the cost of 5 credits. You register for Math 88 and at the end of the course if you have successfully completed objectives of both 88 and 107 you are awarded Math 107 credit. The course requires a one credit five day a week basic skills lab in addition to class time

## Math\& 146 Introduction to Statistics

## Description

Descriptive statistics, probability, probability distributions, sampling methods, hypothesis testing, statistical inference, correlations, regression and analysis of variance are covered in this course. Prerequisite: MATH 88, 97, 98 or 99 with a 2.0 or better within the last three years; or appropriate placement score.

## Math 88 and Math\& 146 corequisite pairing

For motivated students who need to take Math\& 146. You may take the Math88/Math 146 pairing. These courses are taught back to back by the same instructor and the Math 88 course is specially designed to help students succeed in Math\& 146. This is ten credits of mathematics and you should be strongly self-motivated to succeed in this course

## Math 208 Mathematics for Elementary Education A

## Description

This is the first course in a three course sequence designed for prospective teachers at the elementary school level, focusing on the following topics: Problem solving, set theory, elementary logic, numeration systems, number theory, and the structure of the system of real numbers. Prerequisite: MATH 88, 97, 98 or 99 with a 2.0 or better; or appropriate placement score.

