

MA100

Preparation for College Mathematics

[Onsite]

Course Description:

This course helps prepare the student for college mathematics through an individualized program of study in those areas of pre-college mathematics in which the individual student needs help.

Prerequisite(s) and/or Corequisite(s):

None.

Credit hours: 0

Contact hours: 0 (Theory Hours)

I. MAJOR SKILL AREAS

Whole numbers

Fractions and decimals

Proportions and percents

Signed numbers and variables

Linear equations

Exponents and polynomials

Rational expressions and equations

Radical expressions and quadratic equations

II. COURSE OBJECTIVES

Achieve a satisfactory performance level (see section V below) on problems in each of the categories in the “Major Skill Areas” section, above.

III. STUDENT RESOURCES

On-line participation in the ALEKS program

Available guidance and tutorial with math faculty on-campus and through e-mail

Coordination assistance from Problem Solving or other designated instructor

IV. EVALUATION

Determination of readiness for college-level mathematics should examine both overall score on all eight main sections (pie sections) and on each section. Use the following as a suggested guide:

Total score \geq 75%

AND

Each section..... \geq 60%

The pie will be generated from the pretest and updated throughout the student's progress. As soon as the student reaches the above criteria, s/he may be identified as "ready" for college math. However, if this is achieved before the end of the first quarter, the student may continue to work on the program through the rest of the current quarter in order to strengthen areas that are still relatively weak. If the student has not reached this goal by the 11th week of the first quarter, s/he may continue the program into the second quarter of study, provided that s/he has worked at least 20 hours in the program during the first quarter.