



**Georgian College
Academic and Career Preparation Program**

ACE Core Mathematics, AACE 1003

Course Description

This course is designed to give students a foundation in varied aspects of mathematics including numeric and algebraic operations; measurement and geometry; collecting, displaying and interpreting data; mathematical relationships; statistics and probability; simple and compound interest; and everyday financing.

Learning Outcomes

Upon successful completion of this course, the student will have reliably demonstrated the ability to:

1. apply numeric operations to solve mathematical problems;
2. interpret data for a variety of purposes;
3. apply algebraic operations in mathematical problems;
4. use measurement for various purposes;
5. solve basic geometry problems;
6. solve mathematical problems applied to financing

Course Materials, Content, and Evaluation

The primary textbook for Core Math, *Prealgebra 2e*, is an open educational resource (OER) and is accessible at no cost to students. You will also find the course content, assignments, quizzes, etc. on Blackboard, the college's learning management system (LMS). Course modules are listed in the chart on the next page.

The passing grade for this course is 50%, and ALL modules must be completed to receive a final mark. Please note that students who are pursuing post-secondary programs are responsible to find out the prerequisite(s) needed for acceptance, including any required grades. Admission requirements can change from one year to another, so it is important to make sure you have the most up to date information.

Course Modules

MODULES	ESTIMATED HOURS	ASSESSMENT TYPE	WEIGHT
Math Preparation			
Whole Numbers	3	Test	0%
Fractions	9	Test	0%
Decimals	6	Test	0%
Ratios and Proportions	6	Test	0%
Order of Operations	6	Test	0%
Percent	10	Test	0%
Squares and roots	2	Test	0%
Ace Core			
Signed Numbers	7.5	Test	9%
Exponents & Scientific Notation	9.2	Test	11%
Algebraic Expressions	13.5	Test	16%
Formulas	13.5	Test	16%
Metric Measurement	4.2	Test	5%
Statistics	4.2	Test	5%
Graphing	5	Assignment	6%
Probability	4.2	Assignment	5%
Analytical Geometry & Linear Equations	10.1	Test	12%
Option A*: Simple and Compound Interest	12.6	Assignment	15%
Option B*: Geometry	12.6	Assignments	15%
Option C*: Everyday Financing	12.6	Assignments	15%
*Select Option A, B or C			
TOTALS (Prep + Core)	42 + 84 = 126 hours	Tests 74% Assignments 26%	100%