

CATALOG INFORMATION

Dept and Nbr: ADLTED 523    Title: AC SKLS/GED PREP 3/MATH  
Full Title: Basic Academic Skills and GED Preparation - Math 3  
Last Reviewed: 12/12/2016

Units		Course Hours per Week		Nbr of Weeks	Course Hours Total	
Maximum	0	Lecture Scheduled	0	6	Lecture Scheduled	0
Minimum	0	Lab Scheduled	3.00	3	Lab Scheduled	18.00
		Contact DHR	0		Contact DHR	0
		Contact Total	3.00		Contact Total	18.00
		Non-contact DHR	0		Non-contact DHR	0

Total Out of Class Hours: 0.00

Total Student Learning Hours: 18.00

Title 5 Category: Non-Credit  
Grading: Non-Credit Course  
Repeatability: 27 - Exempt From Repeat Provisions  
Also Listed As:  
Formerly: CSKLS 523

**Catalog Description:**  
Instruction and individualized learning plans are provided for preparation for the math sections of the GED (General Educational Development) and other HSE (High School Equivalency) tests. Third level course covers beginning algebra and geometry. Course also provides math skills development in preparation for credit Math Pathway classes; CTE (Career Technical Education) classes; and Basic Academic Skills Certificate of Completion.

**Prerequisites/Corequisites:**

**Recommended Preparation:**  
Course Completion of ADLTED 522 ( or CSKLS 522)

**Limits on Enrollment:**

**Schedule of Classes Information:**  
Description: Instruction and individualized learning plans are provided for preparation for the math sections of the GED (General Educational Development) and other HSE (High School Equivalency) tests. Third level course covers beginning algebra and geometry. Course also provides math skills development in preparation for credit Math Pathway classes; CTE (Career

Technical Education) classes; and Basic Academic Skills Certificate of Completion. (Non-Credit Course)

Prerequisites/Corequisites:

Recommended: Course Completion of ADLTED 522 ( or CSKLS 522)

Limits on Enrollment:

Transfer Credit:

Repeatability: Exempt From Repeat Provisions

## **ARTICULATION, MAJOR, and CERTIFICATION INFORMATION:**

<b>AS Degree:</b>	<b>Area</b>	Effective:	Inactive:
<b>CSU GE:</b>	<b>Transfer Area</b>	Effective:	Inactive:

<b>IGETC:</b>	<b>Transfer Area</b>	Effective:	Inactive:
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<b>CSU Transfer:</b>	Effective:	Inactive:
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<b>UC Transfer:</b>	Effective:	Inactive:
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**CID:**

**Certificate/Major Applicable:**

Certificate Applicable Course

## **COURSE CONTENT**

### **Student Learning Outcomes:**

At the conclusion of this course, the student should be able to:

1. Solve multi-step computational and complex word problems involving beginning algebra and geometry
2. Interpret information presented visually in graphs, tables, and charts and solve related problems
3. Use the computer to access testing site, complete practice tests, and set up test date
4. Apply test-taking skills to GED/HSE test

### **Objectives:**

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

1. Use appropriate formulas to calculate and solve multi-step word problems involving perimeter, area, and volume of common geometric shapes
2. Solve beginning algebra problems, including simple equations with variables and signed numbers
3. Interpret charts, maps, graphs, tables, and other graphic representations of data
4. Identify, locate and use educational resources for learning support
5. Identify and apply appropriate techniques for managing test-taking anxiety
6. Demonstrate ability to locate testing website and complete preliminary information

### **Topics and Scope:**

Content, topics, and scope will vary, depending on student skill level determined through initial assessment.

1. Mathematics

- a. Word problem strategies
  - b. Multi-step word problems with fractions, decimals, percents, and integers
  - c. Formulas for perimeters, area, volume and surface area of a variety of geometric shapes
  - d. Simple algebraic equations involving signed numbers, exponential powers, square root, and line graphs
  - e. Scientific notation with polynomials
  - f. Interpreting complex graphs, charts, and tables
2. Basic Technology
    - a. Educational websites (optional), including SRJC Library and learning support sites for math, as appropriate for course
    - b. Testing service websites and procedures for scheduling tests
    - c. Calculator use for basic algebra and geometry problems
  3. Test-taking Skills
    - a. Typical test questions and strategies for solving
    - b. Techniques for managing test-taking anxiety for tests

### Assignment:

1. Daily computation and word problem exercises in texts, worksheets, and/or computers
2. Participation in class activities and group work applying problem-solving strategies
3. (Optional) Assignments with learning support websites and software
4. Quizzes (2-4)
5. GED/HSE practice math test to act as final assessment

### Methods of Evaluation/Basis of Grade:

**Writing:** Assessment tools that demonstrate writing skills and/or require students to select, organize and explain ideas in writing.

None

Writing  
0 - 0%

**Problem Solving:** Assessment tools, other than exams, that demonstrate competence in computational or non-computational problem solving skills.

Computation and word problem exercises

Problem solving  
50 - 60%

**Skill Demonstrations:** All skill-based and physical demonstrations used for assessment purposes including skill performance exams.

None

Skill Demonstrations  
0 - 0%

**Exams:** All forms of formal testing, other than skill performance exams.

Quizzes; practice test: multiple choice, short answer

Exams  
25 - 40%

**Other:** Includes any assessment tools that do not logically fit into the above categories.

Class participation, group work, computer assignments

Other Category  
5 - 20%

**Representative Textbooks and Materials:**

Kaplan GED Test 2015: Strategies, Practice, and Review. Van Slyke, Caren. Kaplan. 2015  
Steck-Vaughn GED: Test Preparation, Student Edition: Mathematical Reasoning.  
HoughtonMifflinHarcourt. 2014  
Visual Literacy: Scales, Charts, and Diagrams. New Readers Press. New York. 2015  
Instructor-prepared materials.