



# TOPICS COVERED ON THE LCC PLACEMENT TEST(S)

<b>ENTRY</b> 15 Questions No Calculator 1 Hour Limit	< 30%	<b>FUNDAMENTALS</b> 15 Questions No Calculator 1 Hour Limit	< 25%	<b>Adult Basic Education</b> <b>MATH 050</b>		
			25% - 70%	<b>MATH 078</b>		
			≥ 70%	<b>MATH 079</b>		
	30% - 70%	<b>MATH 088</b> Math 087 Math 105 Math 106				
	≥ 70%	<b>ALGEBRA</b> 15 Questions Calculator Provided 1.5 Hour Limit	< 25%	<b>MATH 089</b>		
25% - 75%			<b>MATH 098</b> <b>MATH 097</b>			
≥ 75%			<b>ADVANCED</b> 20 Questions Calculator Provided 2 Hour Limit	< 25%	<b>MATH 099</b>	
				25% - 50%	<b>MATH 141</b> Math 107 Math 125 Math 131 Math 210	
50% - 75%	<b>MATH 142</b> Math 148					
≥ 75%	<b>MATH 151</b>					

## 1. FUNDAMENTALS TEST

- Operations on Whole Numbers
- Operations on Integers
- Operations on Fractions
- Operations on Decimals
- Operations on Signed Numbers
- Order of Operations

## 2. ENTRY TEST

- Ratios, Proportions, and Percents
- Simplify Expressions
- Solving Linear Equations
- Graphing Linear Equations
- Slope Between Two Points
- Find Equations of Lines

## 3. ALGEBRA TEST

- Operations on Polynomials
- Factoring Polynomials
- Solving Systems of Linear Equations
- Operations on Rational Expressions
- Solving Rational Equations
- Operations on Radical Expressions

## 4. ADVANCED TEST

- Variation
- Solving Quadratic Equations
- Graphing Quadratic Equations
- Solving Exponential and Logarithmic Equations
- Evaluating Trigonometric Functions
- Graphing Trigonometric Functions
- Solving Trigonometric Equations
- Graphing Conic Sections
- Finding Equations of Conic Sections
- Applying Summation Notation

**Minimum Computational Requirement for most AAS Degrees**

MATH 088, 105, or 106

**Minimum Quantitative Skills Requirement for AA-DTA**

MATH 107, 141, 132, or 210