



## 2024 Summer Math Academy

July 15, 2024 – August 8, 2024

4-Week Math Refresher! Free to Enroll!

**Build upon your math skills with a trained professor guiding you!  
Study in a friendly, test-free and stress-free learning environment!  
What do you need to do?**

Step 1: Determine which academy is right for you!

### **Scientific Math Academy**

Covers arithmetic skills commonly used in science lab courses. Some topics include converting numbers to scientific notation, place values and rounding, scatterplots and graphing linear equations, converting between percents, fractions, and decimals, metric system, calculating area and volume, as well as exploring exponents and logarithms. Use this academy if you need to take:

CHEM 4: Beginning Chemistry *or*

CHEM 20: Fundamentals of Chemistry *or*

CHEM 21A: Survey of General & Org. Chemistry

### **Intermediate Algebra Academy**

Covers a large library of basic functions and their graphs to strengthen and expand students' algebra skills. Use this academy if you need to take:

MATH 140: Finite Mathematics *or*

MATH 170: Trigonometry

### **Statistics Academy**

Covers arithmetic and pre-algebra skills commonly used in introductory statistics. Topics include place values

and rounding, scatterplots and graphing linear equations, converting between percents, fractions, and decimals, calculating area, and interpreting mean and standard deviation. Use this academy if you need to take:

MATH 150: Elementary Statistics.

COMS 180: Data-Driven Persuasion

PSYC 109A: Introduction to Statistics and Data Analysis for the Behavioral Sciences

SOCI 109A: Introduction to Statistics and Data Analysis for the Behavioral Sciences

### **Algebra Academy**

Covers real number solutions and applications of linear equations, quadratic equations, linear inequalities, and systems of linear equations. Use this academy if you need to take:

MATH 120 Liberal Arts Math *or*

MATH 110: Structures and Concepts in Math *or*

MATH 116: Geometry & Measure. for Teachers

### **Pre-Calculus Academy**

Covers polynomial, rational, exponential, logarithmic, and trigonometric functions, as well as their inverses. Use this academy if you need to take:

MATH 180: Pre-Calculus *or*

MATH 165: Business Calculus *or*

MATH 190: Calculus I

### **Calculus Academy**

Covers evaluating limits, and rules of differentiation and integration. Focus will also include limits, differentiation, and integration of trigonometric functions. Use this academy if you need to take MATH 191: Calculus II.

Step 2: Sign up at [https://elcamino.formstack.com/forms/math\\_academy](https://elcamino.formstack.com/forms/math_academy) or use the QR code.

You will be prompted to log into your MyECC account before the sign-up form appears.

