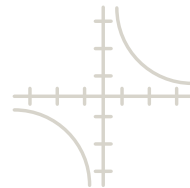




The University of Texas at Austin
OnRamps

COLLEGE ALGEBRA



ALGEBRA

In this course, students deepen their critical thinking skills and develop their ability to persist through challenges as they explore function families: Linear, Absolute Value, Quadratic, Polynomial, Radical, Rational, Exponential, and Logarithmic. Students analyze data algebraically and with technology while developing their knowledge of properties of functions, matrices and systems of equations, and complex numbers.

The pedagogy of the course, Inquiry-Based Learning, encourages students to take an active role in the construction of their learning. This learning will be accomplished by abstraction, generalization, problem-solving, and modeling.

[Find out more »](#)

ALGEBRA

BIG IDEAS

FUNCTION FAMILIES

Linear and Absolute Value Functions;
Quadratic and Cubic Functions;
Polynomial, Rational, and Radical
Functions; Exponential and
Logarithmic Functions

FUNCTION COMPOSITIONS, TRANSFORMATIONS, AND INVERSES

MATRICES AND SYSTEMS OF EQUATIONS AND INEQUALITIES

TRANSFERABILITY

- 3 College Credits
- UT M301
- Math 1314

PRE-REQUISITES

- Geometry
- Algebra I

THE COMPLEX NUMBER SYSTEM

MODELLING, DATA ANALYSIS, AND FUNCTION REGRESSION

SEQUENCES, SERIES, AND THE BINOMIAL THEOREM

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