Course: Integrated Support for College Algebra
Course Number: MATH065
Department: Mathematics
Fall 2025

This course is designed to be paired with College Algebra to support underprepared students. Students review the skills necessary for success in College Algebra in an ongoing as-needed just-in-time fashion. Topics may include: operations on natural numbers, integers, rational numbers, and real numbers, ratio, proportions, and percentages, perimeter, area, and volume of geometric figures, solving linear equations, graphing linear equations, polynomial arithmetic, factoring polynomials, radical expressions and equations, rational expressions and equations, and solving quadratic equations. Note: credits earned in this course cannot be applied toward graduation.

Corequisite: College Algebra with Integrated Support (MATH203S).

COURSE OUTCOMES	OUTCOMES ACTIVITIES	SAMPLE ASSESSMENT TOOLS
Upon successful completion of this course students should:	To achieve these outcomes students may engage in the following activities:	Student learning may be assessed by:
Successfully complete MATH203S College Algebra with Integrated Support.	1. Review prerequisite knowledge in an as needed, just-in-time fashion.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)
Explain information presented in mathematical forms (e.g., equations, graphs, diagrams, tables, words)	1. Interpret the graph of a linear function. 2. Solve appropriate real-world application problems.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)
Convert relevant information into various mathematical forms (e.g., equations, graphs, diagrams, tables, words)	1. Translate English statements into algebraic expressions and equations. 2. Connect the table-of-values, graph, and equation representations of linear equations. 3. Model real-world problems using equations and graphs.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)

Perform arithmetic and algebraic calculations (e.g., adding fractions, factoring quadratic expressions, solving quadratic equations).	1. Review arithmetic and prealgebra calculations such as adding fractions. 2. Review introductory algebra concepts such as solving and graphing linear equations. 3. Review intermediate algebra concepts such as factoring quadratic expressions and solving quadratic equations.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)
Make judgements and draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis.	1. Solve real world applications problems.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)
Make and evaluate important assumptions in estimation, modeling, and data analysis	1. Solve real world applications problems.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)
Express quantitative evidence in support of the argument or purpose of work (in terms of what evidence is used and how it is formatted, presented, and contextualized)	1. Solve real world applications problems.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL) 5. Cumulative Final Exams (QL)
To strengthen Core Competencies** in order to increase success in this and other courses and in the workplace.	Referenced above	

**Indicate the Core Competencies that apply to the outcomes activities and assessment tools: Quantitative Literacy (QL), Information Literacy (IL), Critical and Creative Thinking (CCT)