

Integrated Support for Non-Algebra Pathway**MATH 061****Fall 2025**

This course is designed to be paired with a college-level non-algebra sequence mathematics course to support underprepared students. Students review the skills necessary for success in the associated college-level course in an ongoing as-needed just-in-time fashion. Topics include: numeracy, basic data analysis, proportional reasoning, an introduction to algebraic expressions and algebraic reasoning, and linear functions. Note: credits earned in this course cannot be applied toward graduation. Corequisite: MATH154S Topics in Mathematics with Integrated Support or MATH158S Introduction to Statistics with Integrated Support.

COURSE OUTCOMES	OUTCOMES ACTIVITIES	ASSESSMENT TOOLS
At the end of this course, students will be able to		
Successfully complete MATH154S Topics in Mathematics with Integrated Support or MATH158S Introduction to Statistics with Integrated Support.	1. Review prerequisite knowledge in an as needed, just-in-time fashion.	2. Practice Problem Assignments (QL) 3. Weekly Quizzes (QL) 4. Chapter Exams (QL) 5. Projects (QL) 6. 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.	1. Practice Problem Assignments (QL) 2. Weekly Quizzes (QL) 3. Chapter Exams (QL) 4. Projects (QL)

	- Review introductory algebra concepts such as solving and graphing linear equations. - Review intermediate algebra concepts such as factoring quadratic expressions and solving quadratic equations.	Cumulative Final Exams (QL)
Make judgements and draw appropriate conclusions based on the quantitative analysis of data, while recognizing the limits of this analysis.	Solve real world applications problems.	- Practice Problem Assignments (QL) - Weekly Quizzes (QL) - Chapter Exams (QL) - Projects (QL) - Cumulative Final Exams (QL)
Make and evaluate important assumptions in estimation, modeling, and data analysis	Solve real world applications problems.	- Practice Problem Assignments (QL) - Weekly Quizzes (QL) - Chapter Exams (QL) - Projects (QL) - 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)	Solve real world applications problems.	- Practice Problem Assignments (QL) - Weekly Quizzes (QL) - Chapter Exams (QL) - Projects (QL) - Cumulative Final Exams (QL)

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