

Comparison of Algebra/Math Courses at Washburn University

MA 103 Basic Algebra (3)	MA 104 Intermediate Algebra (3)	MA 112 Essential Mathematics (3)	MA 116 College Algebra (3)
<p>A first course in algebra. Signed numbers and operations, integer exponents, linear equations and inequalities, lines, polynomials, factoring, rational expressions, applications involving linear equations. Does not count towards degree credit hour requirements, nor general education requirements.</p>	<p>Operations with polynomial and rational expressions, factoring, equations (linear, absolute value, quadratic, rational, root), inequalities (linear, compound, absolute value), graphing linear and quadratic functions, systems of linear equations, rational exponents and radicals, applications (involving linear, rational, and quadratic equations). This course is for students entering with one year of high school algebra who are preparing for Essential Mathematics or College Algebra. Does not count towards degree credit requirements, nor general education requirements.</p>	<p>Focus on mathematical skills and knowledge required for quantitative literacy, topics of understanding numerical relationships, financial mathematics, probability, and data analysis and statistics will be addressed. The course will be project-based. In addition to demonstrating mastery of the mathematical content, students will be expected to demonstrate an ability to understand how to determine the appropriate representation of quantitative information and to effectively communicate their assumptions and analysis. This course is not intended to prepare students for calculus.</p>	<p>Equations (linear systems, polynomial, rational, absolute value, root, exponential, logarithmic), functions (notation, combining, domain, inverse), graphing (linear, quadratic, polynomial, piece-wise, rational, exponential, logarithmic), inequalities (compound, absolute value, polynomial, rational), logarithmic expressions, applications involving various types of equations and/or systems of equations. Not open to students with credit in MA 117, MA 123, or any course numbered above MA 140.</p>
PRE-REQUISITES			
<p>No Algebra prerequisite for this course</p> <p>ACT Math Score 0-17</p> <p>OR</p> <p>Accuplacer Math Score 0-59 on Elementary Algebra</p>	<p>No prerequisite for this course. However, MA103 Basic Algebra or appropriate test score is STRONGLY Recommended.</p> <p>ACT Math Score 18-21</p> <p>OR</p> <p>Accuplacer Math Score 76-80 on Elementary Algebra or 0-40 on College Level Math</p> <p>Note: Students in this course are expected to have algebraic knowledge equivalent to MA 103 or one year of high school or junior high school algebra.</p>	<p>C or better in MA104 Intermediate Algebra or appropriate test score</p> <p>ACT Math Score 22 or higher</p> <p>OR</p> <p>Accuplacer Math Score 76-80 on Elementary Algebra or 0-40 on College Level Math</p>	<p>C or better in MA104 Intermediate Algebra or appropriate test score</p> <p>ACT Math Score 22 or higher</p> <p>OR</p> <p>Accuplacer Math Score 81-120 on Elementary Algebra or 41-70 on College Level Math</p>

Comparison of English Composition Courses at Washburn University

EN100 Developmental English (3)	EN101 Freshman Composition (3)	EN102 Freshman English Honors: Facts, Plots, Arguments, and Principles (3)
<p>Small classes and individual attention, focusing on developing the basic habits of good writing through short writings and culminating in the writing of organized and developed themes. Does not count towards degree credit hour requirements or general education requirements.</p>	<p>The techniques and processes of composing and revising; attention to relating reading and writing. Required, with a minimum grade of C, for graduation.</p>	<p>The analysis of texts that purport to gather facts, arrange experience into pleasing formal structures, to persuade others to action, judgment, or evaluation, and to articulate principles whose power shapes diverse experiences into meaningful patterns of coherence. The writing of expository prose that communicates thoughtfully and clearly the results of those analyses. Open to those students accepted into the University Honors Program and by invitation from the Composition staff. Fulfills the University's EN 101 requirement.</p>
PRE-REQUISITES		
<p>ACT English Score 0-17 OR Accuplacer English Score 0-68</p>	<p>ACT English Score 18-36 OR Accuplacer English Score 69-109</p>	<p>ACT English Score 25+ OR Accuplacer English Score 110-120</p>