SSCC Math Placement with COMPASS

The Computer Adaptive Placement Assessment and Support System (COMPASS) exam assesses your abilities in specific subjects. When you go to test, ask for a COMPASS in writing, reading, and math.

This document provides an example of the COMPASS Assessment placement domains used by South Seattle College; it is similar to other schools. The COMPASS is not a pass or fail test.

Pre-Algebra Score	Class Placement	Course Description
0-24	Adult Basic Education	**Skill development** in whole numbers, fractions, decimals, percents, and introduction to algebra and geometry.
25-53	MATH 083	**Arithmetic:** High school level course emphasizing the structure of the number system. Review of fundamental arithmetic and problem solving strategies with introduction to elementary algebra, primary concepts of probability, statistics and geometry. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
	-OR-	
	MATH 110	**Applied Math for Technicians:** Emphasis on applications of mathematics to vocational and technical courses. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
54-99	MATH 084	**Algebra I:** Covers operations with signed numbers, solutions of first equations, real numbers, linear equations, systems of linear equations in two variables, and problem solving. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
	-OR-	
	MATH 111	**Applied Mathematics I:** Intro to applied algebra, geometry and trigonometry. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
	-OR-	
		Business Math/Spreadsheets: A practical, up-to-date survey course of business mathematics topics. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*

Algebra Placement Domain ★

Algebra Score	Class Placement	Course Description
1-38	Algebra score is below Algebra II placement. Refer to Pre-Algebra score (above).	
39-50	MATH 085	**Algebra II:** Systems or equations, factoring polynomials, rational expressions and equations, radical expressions and equations, and quadratic expression and equations. *Note Requirements: 1) If the Pre-Algebra test has not been taken, student must reassess at that level. 2) ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
51-70	MATH 098	**Intermediate Algebra:** Covers linear, quadratic, exponential and logarithmic models with applications and other intermediate algebra skills. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
71-99	MATH 102	**College Algebra:** Bridges the gap between Intermediate Algebra and Pre-Calculus functions and is for students in math and science. Fulfills requirement for AA degree. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*
	-OR-	
	MATH& 107	**Math in Society:** Primarily for liberal arts majors. Designed to enhance mathematics literacy. *Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.*

Minimum score of 60 required.

71-99	-OR-	
(cont.)	MATH 109	**Elementary Statistics:** Covers discriptive methods, probability and probability distributions, samples, decisions, hypothesis testing and statistical inferences.
		Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.
	-OR-	
	MATH 116	**Applications of Math to Management, Life & Social Sciences:** emphasizes applications to business. finance. management. or life & social sciences.
		Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.

College Algebra Score	Class Placement	Course Description
1-34	College Algebra score is below Pre-Calculus I placement. **Refer to Algebra score (above).**	
35-45	MATH& 141	**Pre-Calculus I:** Examines the general nature of polynomial, rational, exponential and logarithmic functions, and related functional and algebraic topics.
		Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.
	-OR-	
	MATH 148	**Business Calculus:** An intuitive and elementary treatment of differential and integral calculus with emphasis on polynomials, powers, exponential and logarithmic functions.
		Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.
46-99	MATH& 142	**Pre-Calculus II:** A study of right triangle trigonometry, trigonometric functions, related trig applications, and topics in analytic geometry.
		Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.

Trigonometry Score	Class Placement	Course Description
1-45	Trigonometry score is below Calculus placement. **Refer to College Algebra score (above).**	
46-99	MATH& 151	**Calculus with Analytic Geometry:** Covers limits, differentiation of algebraic and transcendental functions, definite and indefinite integrals, techniques of integration, vectors, vector-valued functions, multivariable-calculus, partial differentiation, multiple integrals and
		Note Requirement: ESL 094 completion with a 2.0, or placement into either ESL 096 or ENGL 091.

The math section of the COMPASS evaluates your knowledge in pre-algebra, algebra, college algebra, geometry, and trigonometry. The higher you score before the assessment completes, the higher the domain placement. To qualify to apply for an IAM/Boeing Apprenticeship you need to achieve a minimum score of 60 in the Algebra domain as shown above. You must also achieve a minimum score of 67 in reading and a minimum score of 32 in writing.

Applicants must complete the COMPASS prior to applying. If a candidate is contacted for an interview he or she will have 14 days to submit all documents, including the COMPASS Assessment score results, to prove that all minimum qualifications have been met. The COMPASS testing date must be on or before the job post closing date.

Note: we do not accept other assessments, such as Accuplacer; only the COMPASS is approved.