

MATH COURSE PLACEMENT REPORT

COMPASS RANGE	ACT	SAT	ASSET RANGE		KYOTE	TABE A	COURSE PLACEMENT BEGINNING SPRING 2018
Pre-Algebra			Numerical Skills				Math Assessment
Below 24			23-24		KMath 0-5	Below 6.4	Refer to Adult Basic Education.
24-99			25-55		KMath 6-17	6.4-12.9	Enroll in MAT 065* (includes Supplemental Instruction) OR for remediation to retest, refer students to the Tutoring Center in MLRC 2 nd floor in the library OR www.westkentucky.EdReady.org (keyword: mathready).
Algebra			El Alg	Int Alg			
16-30	16		27-38	26-35	MT 055 = KMath 6-11 MT 065 = KMath 12-17	N/A	Enroll in MAT 065 (includes supplemental instruction) OR for remediation to retest, refer students to the Tutoring Center in MLRC 2 nd floor in the library OR www.westkentucky.EdReady.org (keyword: mathready).
							Appropriate Reading placement scores required for all entry-level Math (100 level or above). See Reading Placement Chart.
25-30	17		34-38	33-35	KAlgebra 5-13	N/A	Enroll in MAT 105; MAT 110 or MAT 116 with supplemental instruction or any course listed above.
31-35	18		39-40	36-38	KAlgebra 7-13 OR KMath 18-21	N/A	Enroll in MAT 085 or MAT 126 with supplemental instruction or any course listed above***.
36-49**	19-21	460 +	41-45**	39-42**	KAlgebra 7-13 OR KMath 22+	N/A	<ul style="list-style-type: none"> •Enroll in MAT 150 with MAT 100. •Enroll in MAT 146; MAT 105; MAT 110; MAT 116; or MAT 126 or any course listed above.
50-99**	22+	510+	46-55**	43-55**	KAlgebra 14+	N/A	Enroll in MAT 150 or any course listed above.
83-99	27+	610 +	N/A	N/A	N/A	N/A	Enroll in MAT 170, MAT 175 or any course listed above.

*A student with a COMPASS Pre-Algebra range 24-41, ASSET 25-37, OR TABE 0.4-10.1, will be placed "One Up" with A&P policy in to MAT 65 with Supplemental Instruction.

**See an advisor to determine appropriate math for diploma programs and the AA, AS, and AAS degrees. MAT 146 fulfills degree requirements for the Associate in Arts but does not fulfill degree requirements for the Associate in Science degree and may not fulfill degree requirements for certain four-year majors.

*** MAT 085 is a prerequisite for MAT 146 and MAT 150.

Courses numbered below 100 are transition and do not count toward hours needed for a credential. They are not used in calculating grade point averages and may be graded on a pass/fail basis. These courses will count in determining whether a student is part-time (less than 12 hours) or full-time (12 hours or more) for the semester. Students must enroll in transition courses within the first two semesters and continue in subsequent semesters until entry level placement is obtained.

PLACEMENT COURSE DESCRIPTIONS

Math

_____ MAT 065 – *Basic Algebra with Measurement* covers variable expressions, linear equations and inequalities, exponents, polynomials, factoring, square and cube roots, scientific and engineering notation, elementary graphing, and measurement unit and conversions.



_____ MAT 085 – *Intermediate Algebra with Applications* includes exponents, factoring, polynomials, radicals, radical expressions, graphing in the plane, linear and quadratic equations, and appropriate applications.

The sequence of math courses a student follows after MAT 065 depends on the program of study.

_____ MAT 105 – *Business Mathematics* covers concepts as applied to finance. Topics include percentages, simple and compound interest, annuities, sinking funds, depreciation, balance sheets, and consumer debt.

OR

_____ MAT 110 – *Applied Mathematics* includes the concepts of ratio and proportion, units and conversions, linear equations in two variables, inequalities, graphing and writing equation of a line, percents, interest, descriptive statistics, and logical symbolism.

OR

_____ MAT 116 – *Technical Mathematics* covers mathematical concepts from algebra, geometry, and trigonometry. Topics include unit conversions, variation, measurement of geometric figures and vectors.

OR

_____ MAT 126 – *Technical Algebra and Trigonometry* covers topics including vectors, phasor algebra, variation, trigonometric functions, coordinate systems, system of linear equations, quadratic, rational, exponential and logarithmic equations.

OR

_____ MAT 146 – *Contemporary College Mathematics* is a course in quantitative reasoning and problem solving intended for non-science majors. Topics are chosen from apportionment, finance, growth, form and measurement, logic, population growth, probability and statistics, and voting theory. *Prerequisite MAT 085 or appropriate placement score.*

OR

_____ MAT 100 – *College Algebra Workshop* provides parallel and supplemental review of algebra skills needed for success in college algebra for students. *Prerequisite appropriate placement score.*

_____ MAT 150 – *College Algebra and Functions* covers selected topics in algebra and analytic geometry. Develops manipulative skills and concepts required for further study in mathematics. Includes linear, quadratic, polynomial, rational, exponential, logarithmic and piecewise function; systems of equations and inequalities; and introduction to analytic geometry. *Prerequisite MAT 085 or appropriate placement score.*

OR

_____ MAT 170 – *Brief Calculus with Applications* provides an introduction to differential and integral calculus with applications in biological sciences, or business with an analysis of algebraic, exponential, and logarithmic functions. *Prerequisites MAT 150 or appropriate placement score.*

_____ MAT 175 – *Calculus I* examines one-variable calculus including limits, differentiation and integration of algebraic, trigonometric, exponential, logarithmic, hyperbolic, and inverse trigonometric functions with applications. *Prerequisites MAT 150 and MAT 155 or appropriate placement score.*

Lower numbered courses do not always meet the prerequisite for the next higher course. Always check the catalog for specific course pre-requisites.

READING & WRITING COURSE PLACEMENT

COMPASS RANGE	ACT	SAT	ASSET RANGE	KYOTE	TABE A	WorkKeys	COURSE PLACEMENT BEGINNING SPRING 2018
Reading Assessment							
48 and below	11 or below		0-31		5.4 and below	72 and below	Refer to Adult Basic Education.
49-69	12-16		32-37		5.5-8.9	73-74	Enroll in IRW 95* (Includes Supplemental Instruction) OR Skills Enhancement Center, Room 111, for remediation to retest.
70-84	17-19		38-43		9.0-12.1	75-81	Enroll in RDG 100** with concurrent enrollment in Content Course specified on Open/Close report OR Skills Enhancement Center, Room 111, for remediation to retest.
							Students can NOT be dually enrolled in IRW 95 and RDG 100. Students who have a Reading placement score at the RDG 100 level AND a writing placement score at the ENG 100 level or above will be placed in RDG 100 + Content Course "J" section.
85-100	20+	470 Critical Reading	44-55	20 +	12.2-12.9	82-90	Your scores indicate that you do not need a reading course.
							Students with 12 or more credit hours at the 100 level or above in general education courses with a 2.0 GPA are exempt from Reading placement requirements and are considered college ready.
Writing Assessment							
25 and below	12 and below		0-32		8.0 and below		Refer to Adult Basic Education.
26-48	13-14		33-39		8.1-10.0		Enroll in IRW 95* (includes Supplemental Instruction), OR Skills Enhancement Center, Room 111, for remediation to retest.
49-73	15-17		40-42		10.1-12.7		Enroll in ENG 100*** on campus with concurrent enrollment in ENG 101 OR Skills Enhancement Center, Room 111, for remediation to retest.
							Students can NOT be dually enrolled in IRW 95 and ENG 100. Students who have a Writing placement score at the ENG 100 level AND a reading placement score at the RDG 100 level or above will be placed in ENG 100 + ENG 101 Paired Section.
74-100	18+	Writing 430 or Critical Reading 450	43-55	6+	12.8-12.9		Enroll in ENG 101, Writing I.

* A student with a COMPASS reading range between 49-69 and/or COMPASS writing range between 26-48, or equivalent placement scores referenced above are required to take IRW 95. At end of class, students will either retake the placement test(s) and/or take the final exam with any of the following outcomes: 1.) Take entry-level course; 2.) Take RDG 100 with a content course and/or take ENG 100 with ENG 101; 3.) Retake IRW 95 or retest.

** A student with a COMPASS range between 70-84, or other placement in Reading referenced above, will be placed in RDG 100 + Content Course. Students may only take ONE of the content courses listed while taking RDG 100. Students must attend both RDG 100 and the Content Course.

***A student with a COMPASS range between 49-73, or other placement in Writing referenced above, will be placed in ENG 100 + ENG 101 Paired Section. Students must attend both ENG 100 and ENG 101.

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for the semester. Students must enroll in transition courses within the first two semesters and continue in subsequent semesters until entry level placement is obtained.

PLACEMENT COURSE DESCRIPTIONS

Integrated Reading and Writing

_____ IRW 95 – *Integrated Reading and Writing* emphasizes critical reading skills to develop vocabulary techniques, active reading strategies, comprehension accuracy, and interpretation of visual elements in texts. Applies writing as a process with instruction in intermediate writing skills and technology emphasizing organization, idea development through critical thinking, and editorial improvements through multi-paragraph writing. Introduces basic research and documentation through writing in response to reading.

Reading

_____ RDG 100 – *Reading Workshop* is designed to improve comprehension and vocabulary of expository materials by improving student's comprehension processes and reading-related study skills.

General Education Courses

Writing

_____ ENG 100 – *English Workshop* provides parallel and supplemental review of English skills needed by students.

_____ ENG 101 – *Writing I* focuses on academic writing and provides instruction in drafting and revising essays that express ideas in Standard English.