

**MURRAY STATE UNIVERSITY**  
**MINIMUM TESTING LEVELS FOR PLACEMENT BEGINNING March 2023**

	ACT ENG/ REA			ACCUPLACER ENG/REA			SAT ENG/REA/VERBAL			KYOTE ENG/REA			ALEKS PPL	
Course Requirement	English		Reading	Writing		Reading	Writing and Lang.		Reading	English		Reading	English	Reading
Corequisite ENG 105 + ENG 111	0-17	AND/OR	0 - 19	0-262	AND/OR	0-275	0 - 470 or 20-24	AND/OR	0 - 470 or 20 -24	0 - 5	AND/OR	0-19	N/A	
ENG 105	18 & above	AND	20 - 36	263 & above	AND	276 & above	480 - 800 or 25-80	AND	480 - 800 or 25 -80	6 or higher	AND	20 or higher	N/A	

**For students needing MAT 117**

Course Requirement	ACT Math	ACCUPLACER Math	SAT Math	KYOTE MATH	ALEKS PPL	If pre-existing Background
MAT 117-C or MAT 117	1 - 18	QRAS under 237	under 500	readiness 1 - 21	1 - 29	MAT 095 *
	19 & above	QRAS 237 - 300	500 & Above	readiness 22 & above	30	MAT 096 *

**For students needing STA 125**

Course Requirement	ACT Math	ACCUPLACER Math	SAT Math	KYOTE MATH	ALEKS PPL	If pre-existing Background
MAT 117-C (if needed)	1 - 18	QRAS under 237	under 500	readiness 1 - 21	1 - 29	MAT 095 *
STA 125-C or STA 125	17, 18	QRAS 211 - 236	450 - 490	readiness 17 - 21	20 - 29	N/A
	19 & above	QRAS 237 - 300	500 & Above	readiness 22 & above	30	MAT 096 *

**For students needing STA 135**

Course Requirement	ACT Math	ACCUPLACER Math	SAT Math	KYOTE MATH	ALEKS PPL	If pre-existing Background
MAT 117-C (if needed)	1 - 18	QRAS under 237	under 500	readiness 1 - 21	1 - 29	MAT 095 *
STA 135-C or STA 135	18, 19	QRAS 226 - 249	470 - 520	readiness 19 - 23 or college algebra 10 - 11	26 - 41	MAT 096 *
	20	QRAS 250-300 or AAF 226	530 & above	readiness 24 & above or college algebra 12 & above	42 & above	MAT 097 *

**For students needing MAT 140, 145, 130, 150, 220, 230, 250**

Course Requirement	ACT Math	ACCUPLACER Math	SAT Math	KYOTE MATH	ALEKS PPL	If pre-existing Background
MAT 110 (if needed)	1 - 18	ARITH under 300 or QRAS under 237	under 500	readiness 1 - 21 or college algebra 1 - 11	1 - 29	MAT 095 *
MAT 140 CR or 140	19, 20	QRAS 237-262 or AAF 211-236	500 - 540	readiness 23 - 26 or college algebra 12 - 14	30 - 45	MAT 096 *
	21 & above	QRAS 263-300 or AAF 237-262	550 & above	readiness 27 & above or college algebra 15 & above	46 & above	MAT 097 *
MAT 130, MAT 145	21 & above	QRAS 263-300 or AAF 237-262	550 & above	readiness 27 & above or college algebra 15 & above	50 & above	130: MAT 097* 145: 140 C better
MAT 150	23 & above	QRAS 276 - 300	570 & above	calculus 12 & above	61 & above	N/A
MAT 220	23 & above	AAF 250 - 300	570 & above	calculus 12 & above	61 & above	MAT 140
MAT 230	24 & above	AAF 263 - 300	590 & above	calculus 14 & above	66 & above	MAT 130 or 140+145
MAT 250	26 & above	AAF 276 - 300	640 & above	calculus 16 & above	76 & above	MAT 150 or 140+145

\*These course are no longer offered at 4-year institutions in Kentucky, but if they are already on a student's transcript they may be used for placement.

Revised: 03-27-2023 SW

### 100-level MAT and STA courses for MSU students

\* See the placement grid for an array of relevant placement scores.

Non-algebraic courses; not preparation for any algebraic course.	
Course	Special guidance:
<b>MAT 117</b>  <b>two levels of preparedness</b>	<ul style="list-style-type: none"> <li>• <i>All students can take MAT 117</i>, regardless of background, without prerequisite coursework.</li> <li>• Those who do not meet the prerequisite placement scores for MAT 117 may take the 4 day/week sections labeled MAT 117-C0y.</li> <li>• [Although students who <i>already have</i> credit for a basic algebra course can directly register for MAT 117.]</li> </ul> <p><i><b>MAT 117 is a prerequisite <b>only to</b> STA 125 and STA 135 (with a "C or better" in MAT 117) and for students MAT 115 or 215 and consent of instructor.</b></i></p>
<b>STA 125</b>  <b>three levels of preparedness</b>	<ul style="list-style-type: none"> <li>• Students who <i>already have</i> credit for an Algebra course at or above the level of MAT 096 (ie: MAT 096, 097, 130, 140, 150) can directly register for STA 125.</li> <li>• Students who barely miss the prerequisites for STA 125 may take the 4 day/week sections labeled STA 125-C0y.</li> <li>• Students who do not place into STA 125-C0y can take MAT 117-C0y, and <i>then take</i> STA 125 (if they've earned a "C or better" in MAT 117-C0y).</li> </ul> <p>STA 125 is not a prerequisite to any other course.</p>
<b>STA 135</b>  <b>three levels of preparedness</b>	<ul style="list-style-type: none"> <li>• Students who have credit for an Algebra course at or above the level of MAT 097 (ie: MAT 097, 130, 140, 150) can directly register for STA 135.</li> <li>• Students who barely miss the prerequisites for STA 135 may take the 5 day/week sections labeled STA 135-C0y.</li> <li>• Students who do not place into STA 135-C0y can take MAT 117-C0y, and then STA 135 (after they've earned a "C or better" in MAT 117-C0y).</li> </ul>

Entry-level algebraic courses; typically not needed for preparation for non-algebraic course.	
Course	Special guidance:
<b>MAT 110</b>	<ul style="list-style-type: none"> <li>• This course is <b>only</b> for students whose program <ul style="list-style-type: none"> <li>• requires any of MAT 130 or 140 or 145, or 150, or 220 or 230 or 250</li> <li>• and whose level of preparedness does not place them into MAT 140-C2y.</li> </ul> </li> <li>• All such students can take MAT 110, regardless of prerequisite coursework, as long as their placement scores do not already place them into one of the courses listed in the bullet above.</li> <li>• Students needing MAT 130 or 150, but who must take MAT 110, will replace MAT 130 or 150 by MAT 140+MAT 145.</li> <li>• It is not needed for any program using <i>only</i> courses from MAT 117, STA 125, 135.</li> <li>• It is not a University Studies course.</li> </ul>
<b>MAT 140</b>  <b>three levels of preparedness</b>	<ul style="list-style-type: none"> <li>• Students who have credit for an equivalent of MAT 097 can register for MAT 140.</li> <li>• Students who have credit for an equivalent of MAT 096 can register for the 5 day/week sections labeled MAT 140-Cxy.</li> <li>• Students who barely miss the prerequisites for MAT 140 may take the 5 day/week sections labeled MAT 140-C2y.</li> <li>• Students who do not place into MAT 140-C2y can take MAT 110, and with a "C or better" in MAT 110, can register for the 5 day/week sections labeled MAT 140-C2y in the next semester.</li> </ul>
<b>MAT 130</b>  <b>two levels of preparedness</b>	<ul style="list-style-type: none"> <li>• Students who have credit for an Algebra course at or above the level of MAT 097 or who have a sufficient placement score can directly register for MAT 130.</li> <li>• Students who do not meet the prerequisites for MAT 130 may replace MAT 130 by MAT 140 (via a MAT 140-C section) and then MAT 145. Follow the entry advice for MAT 140.</li> </ul>
<b>MAT 145</b>  <b>two avenues into MAT 145</b>	<p>Students can register for MAT 145 with:</p> <ul style="list-style-type: none"> <li>• appropriate placement scores</li> <li>• A "C or better" in MAT 097 or MAT 140</li> </ul>
<b>MAT 150</b>  <b>two levels of preparedness</b>	<ul style="list-style-type: none"> <li>• Students who do not meet the prerequisites for MAT 150 may replace MAT 150 by MAT 140 and MAT 145. Follow the entry advice for MAT 140.</li> </ul>