Initial Mathematics Placement

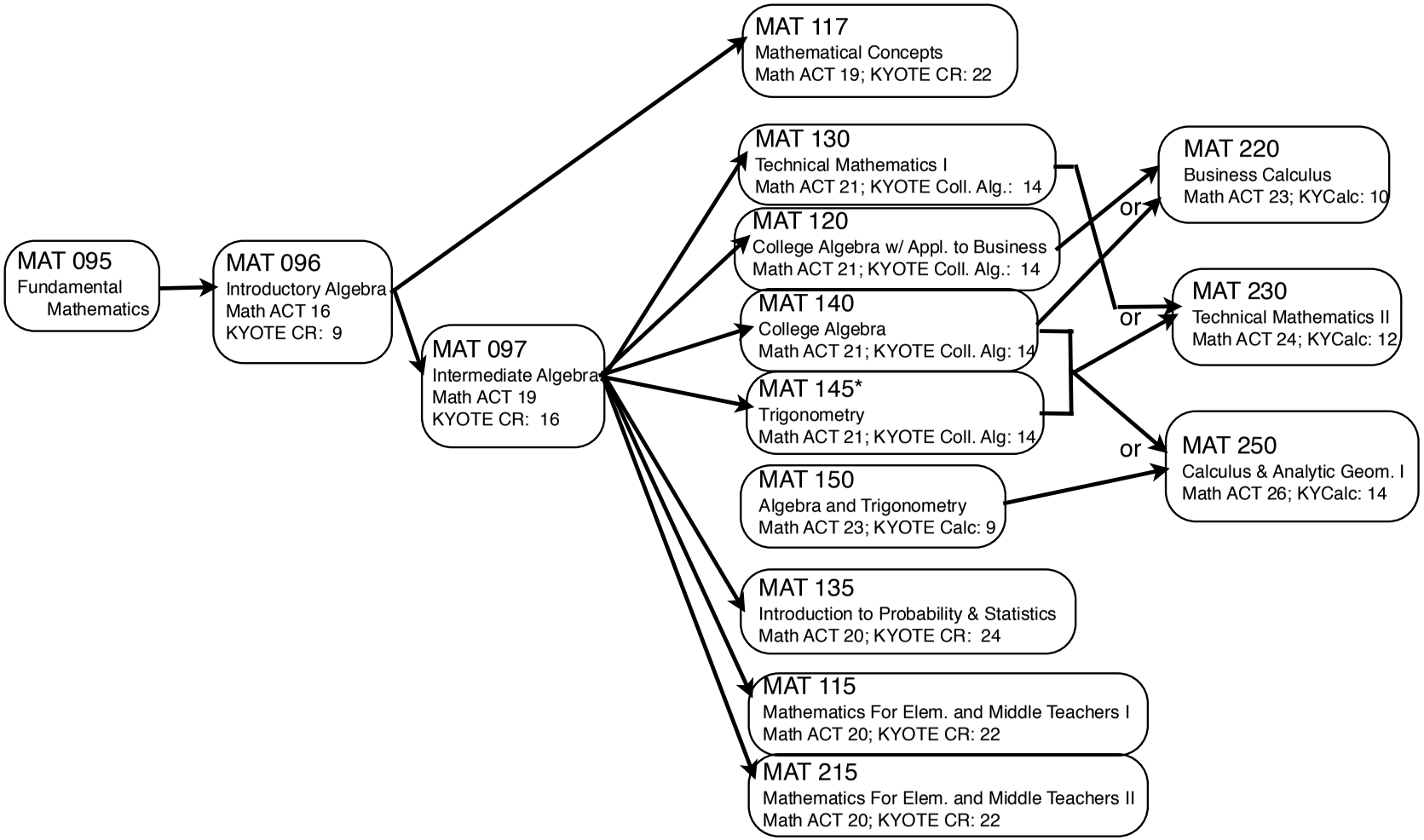
All undergraduate students at Murray State University must take at least one course satisfying the Mathematics University Studies requirement, however different majors benefit from different coursework.

1. Determine the Mathematics courses required for the student's major.
2. Consult the student's ACT and Placement Scores to determine if the student meets the prerequisites for the relevant Mathematics course. Compare to the chart below and the graph on the reverse side of this sheet:

SUMMARY: MATHEMATICS PREREQUISITES

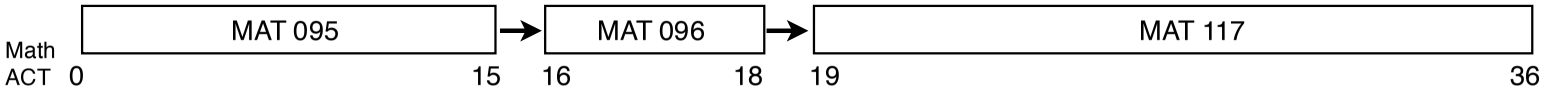
TO ENTER	PREREQUISITE		ENTRANCE EXAMS		PLACEMENT EXAMS	
COURSE	PREVIOUS COURSE		MIN. score Math ACT	MIN. score Math SAT	Min. score COMPASS	MIN KYOTE exam score
					Algebra	
95	N/A		less than 16	less than 380		
96	95	or	Required for 16, 17, 18	Required for 380-450	21	9 on Coll. Readiness Exam
97	96	or	19	460	36	16 on Coll. Readiness Exam
117	96	or	19	460	36	22 on Coll. Readiness Exam
115, 215	97	or	20	500	41	22 on Coll. Readiness Exam
135	97	or	20	500	41	24 on Coll. Read. Exam 12 on Coll. Alg. Exam
120, 130, 140, 145	97	or	21	510	50	14 on Coll. Alg. Exam OR 27 on Coll. Readiness Ex.
150	-		23	550	60	9 on KYOTE Calculus Exam
220	120 or 140	or	23	550	N/A	10 on KYOTE Calculus Exam
230	130 (OR 140 AND 145)	or	24	560	N/A	12 on KYOTE Calculus Exam
250	150 (OR 140 AND 145)	or	26	610	N/A	14 on KYOTE Calculus Exam

3. If the student cannot be placed directly into the entry-level Mathematics course for their major because they do not meet the prerequisites for that course, the student should consider taking a COMPASS Algebra or the relevant KYOTE Exam. If the student achieves a sufficient score to meet the prerequisite for this class, the student may be registered for the class.
4. Based upon all relevant scores, if the student does not meet the prerequisites for this entry-level Mathematics course, the student should be registered for an appropriate prerequisite course (see the chart above and on the reverse side).



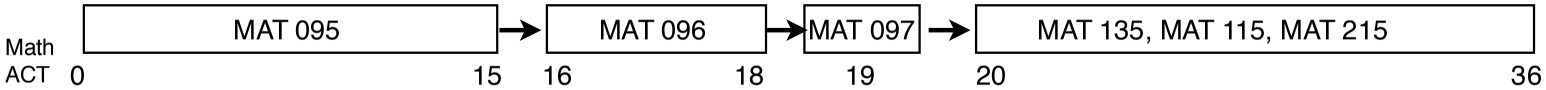
An arrow indicates a prerequisite relationship. For MAT 220, MAT 230, and MAT 250 there are two possible paths.
KYOTE CR is the KYOTE College Readiness Placement Exam, KYOTE Coll. Alg. refers to the KYOTE College Algebra Placement Exam, and KYCalc. refers to the KYOTE Calculus Placement Exam.
A student may satisfy a requirement to take MAT 150 by taking both MAT 140 and MAT 145.
*A student taking both MAT 140 and MAT 145 is recommended to take MAT 140 first.

For a student wanting to get into MAT 117, begin on this path where your ACT score allows.



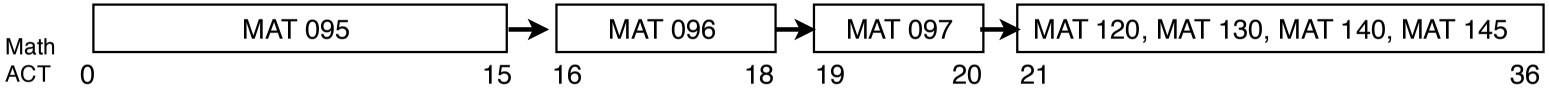
Other options for those with no MAT ACT score or a Math ACT below 19:
Take the KYOTE College Readiness Exam and score at least 22. Scores below 22 will indicate placement into MAT 095 or 096.
Take the COMPASS Algebra Exam and score at least a 36. Scores below 36 will indicate placement into MAT 095 or 096.

For a student wanting to get into MAT 135, MAT 115, or MAT 215, begin on this path where your ACT score allows.



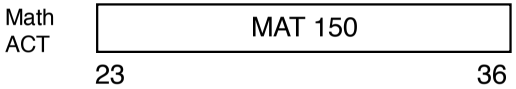
Other options for those with no MAT ACT score or a Math ACT below 20:
Take the KYOTE College Readiness Exam and score at least 24. Scores below 24 indicate placement into MAT 095, 096, 097.
Take the COMPASS Algebra Exam and score at least a 41. Scores below 41 will indicate placement into MAT 095, 096, or 097.

For a student wanting to get into MAT 120, MAT 130, MAT 140, MAT 145, begin on this path where your ACT score allows.



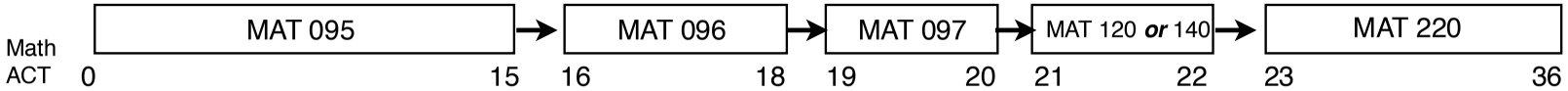
Other options for those with no Math ACT score or a Math ACT below 21:
Take the KYOTE College Readiness Exam and score at least 27. Scores below 27 indicate placement into MAT 095, 096, 097.
Take the KYOTE College Algebra Exam and score at least 14. Scores below 14 indicate placement into MAT 095, 096, 097.
Take the COMPASS Algebra Exam and score at least a 50. Scores below 50 indicate placement into MAT 095, 096, or 097.

For a student wanting to get into MAT 150



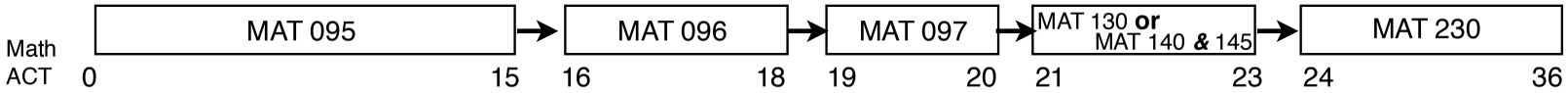
Other options for those with no Math ACT score or a Math ACT below 23:
Take the KYOTE Calculus Exam and score at least 9. For scores less than 9, the student should fulfill a MAT 150 credit by taking MAT 140 and MAT 145; it is recommended to take MAT 140 before taking MAT 145.

For a student wanting to get into MAT 220, begin on this path where your ACT score allows.



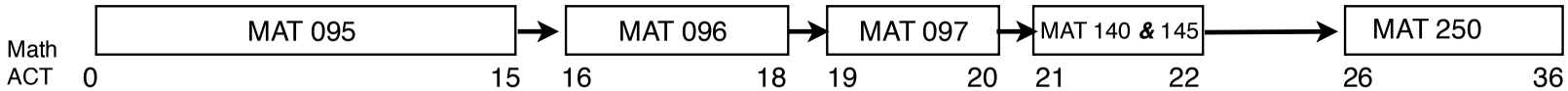
Other options for those with no Math ACT score or a Math ACT below 23:
Take the KYOTE Calculus Exam and score at least 10. For scores below 10, the student should take the KYOTE College Readiness Exam or the KYOTE College Algebra Exam for placement into MAT 095, MAT 096, MAT 097 or MAT 120, MAT 140.

For a student wanting to get into MAT 230, begin on this path where your ACT score allows.

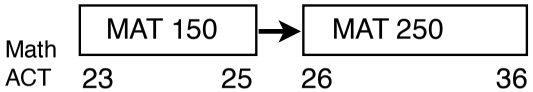


Other options for those with no Math ACT score or a Math ACT below 24:
Take the KYOTE Calculus Exam and score at least 12. For scores below 12, the student should take the KYOTE College Readiness Exam or the KYOTE College Algebra Exam for placement into MAT 095, MAT 096, MAT 097 or MAT 130.

For a student wanting to get into MAT 250, begin on one of these paths where your ACT score allows.



Or if your Math ACT is at least 23:



Other options for those with no Math ACT score or a Math ACT below 26:
Take the KYOTE Calculus Exam and score at least 14. For scores of 9-13 the student may consider MAT 140+145 or MAT 150;
For scores under 9 the student should take the KYOTE College Algebra Exam for placement into MAT 140 and MAT 145.