Revised: 03-11-2021 ET

## MURRAY STATE UNIVERSITY MINIMUM TESTING LEVELS FOR PLACEMENT BEGINNING April 2021

|  | ACT ENG/ REA |     |         | ACCUPLACER ENG/REA |     |             | SAT ENG/REA/VERBAL    |     |                        | KYOTE ENG/REA |     |              | ALEKS PPL |         |
|--|--------------|-----|---------|--------------------|-----|-------------|-----------------------|-----|------------------------|---------------|-----|--------------|-----------|---------|
| Course Requirement                         | English      |     | Reading | Writing            |     | Reading     | Writing and<br>Lang.  |     | Reading                | English       |     | Reading      | English   | Reading |
| Corequisite ENG 105 +<br>ENG 111           | 0-17         | AND | 20 - 36 | 0-262              | AND | 276 & above | 0 - 470 or 20-<br>24  | AND | 480 - 800 or<br>25 -80 | 0 - 5         | AND | 20 or higher | N/A       |         |
| Corequisite ENG 105<br>+REA 112            | 18 & above   | AND | 0-19    | 263 & above        | AND | 0-275       | 480 - 800 or<br>25-80 | AND | 0 - 470 or<br>20-24    | 6 or higher   | AND | 0-19         | N/A       |         |
| Corequisite ENG 105 +<br>ENG 111 + REA 112 | 0-17         | AND | 0-19    | 0-262              | AND | 0-275       | 0 - 470 or 20-<br>24  | AND | 0 - 470 or<br>20-24    | 0-5           | AND | 0-19         | N/A       |         |
| ENG 105                                    | 18 & above   | AND | 20 - 36 | 263 & above        | AND | 276 & above | 480 - 800 or<br>25-80 | AND | 480 - 800 or<br>25 -80 | 6 or higher   | AND | 20 or higher | N,        | /A      |

| Course Requirement | ACT Math   | ACCUPLACER Math                      | SAT Math    | KYOTE MATH   | ALEKS PPL  |
|--------------------|------------|--------------------------------------|-------------|--|------------|
| MAT 110            | 1 - 20     | ARITH under 300 or<br>QRAS under 237 | under 500   | readiness 1 - 21 or<br>college algebra 1 - 10      | 1 - 29     |
| MAT 117            | 19 & above | QRAS 237 - 300                       | 500 & Above | readiness 22 & above                               | 30         |
| MAT 117-C          | 1 - 18     | QRAS under 237                       | under 500   | readiness 1 - 21                                   | 1 - 29     |
| MAT 115, 215       | 20 & above | QRAS 250-300 or<br>AAF 237-262       | 530 & above | readiness 22 & above                               | 42 & above |
| STA 125            | 19 & above | QRAS 237 - 300                       | 500 & Above | readiness 22 & above                               | 30         |
| STA 125-C          | 17, 18     | QRAS 211 - 236                       | 450 - 490   | readiness 17 - 21                                  | 20 - 29    |
| STA 135            | 20         | QRAS 250-300 or<br>AAF 226-262       | 530 & above | readiness 24 & above or college algebra 12 & above | 42 & above |
| STA 135-C          | 18, 19     | QRAS 226 - 249                       | 470 - 520   | readiness 19 - 23 or<br>college algebra 10 - 11    | 26 - 41    |
| MAT 130, 140, 145  | 21 & above | QRAS 263-300 or<br>AAF 237-262       | 550 & above | readiness 27 & above or college algebra 14 & above | 46 & above |
| MAT 140 CR         | 19, 20     | QRAS 237-262 or<br>AAF 211-236       | 500 - 540   | readiness 22 - 26 or<br>college algebra 11 - 13    | 30 - 45    |
| MAT 150            | 23 & above | QRAS 276 - 300                       | 570 & above | calculus 11 & above                                | 61 & above |
| MAT 220            | 23 & above | AAF 250 - 300                        | 570 & above | calculus 11 & above                                | 61 & above |
| MAT 230            | 24 & above | AAF 263 - 300                        | 590 & above | calculus 13 & above                                | 66 & above |
| MAT 250            | 26 & above | AAF 276 - 300                        | 640 & above | calculus 15 & above                                | 76 & above |

## Mathematics Placement—Entry Level

Instructions for use: Find your student's exam score from among the exams and ranges in the shaded portion of the table, and move horizontally across that row towards the unshaded part of the table. Choose the course required for your major/program from the top row of the unshaded part of the table, and move down that column. In the cell where these intersect is the full recommended placement for this student. Sometimes two or more courses will be needed to complete the program's course requirement. In this case, the bolded course is that course which must be taken first, and the remaining courses are to be taken in subsequent semesters. Note: MAT 117-C0x, STA 125-C0x, STA 135-C0x, and MAT 140-C2x are the same course as MAT 117, STA 125, STA 135, and MAT 140 (respectively), with the same student learning outcomes; they meet an extra hour per week to facilitate extra assistance to the students.

| Entrance Exams KYOTE Placement Exams |  | Desired Course for Major/Program - Entry Level |                    |          |                   |                                      |  |   | Common Placement Exams   |  |             |            |              |                 |
|--------------------------------------|--|--|--------------------|----------|-------------------|--------------------------------------|--|---|--|--|-------------|------------|--------------|-----------------|
|                                      |  |  | KYOTE              |          | General Statistic |                                      | istics                                   | Algebra                                     | Algebra & Ti   | Accuplacer   |             | ALEKS      |              |                 |
| ACT                                  | SAT  | Math<br>Readiness                              | College<br>Algebra | Calculus | MAT 117           | STA 125                              | STA 135                                  | MAT 140                                     | MAT 130  | MAT 150  | QRAS        | AAF        | ALEKS        | Prior<br>Course |
| 1-16                                 | 10-440   | 1-16   | 1-10               | 1-9      | MAT 117-C0x       | semester:                            | MAT 117-C0x<br>next semester:<br>STA 135 | MAT 110<br>next<br>semester:<br>MAT 140-C2x | MAT 110<br>next semester:<br>either MAT 140-C2x<br>& then MAT 145 or<br>take a placement<br>exam for MAT 130 | MAT 110<br>next semester:<br>either MAT 140-C2x<br>& then MAT 145 or<br>take a placement<br>exam for MAT 150 | -           | -          | -            | -               |
| 17                                   | 450  | 17   | -                  | -        |                   | STA 125-C0x                          |  |   |  |  | 211         | -          | 20           | -               |
| 18                                   | 470  | 19   | -                  | -        |                   |                                      |  |   |  |  | 226         | -          | 26           | -               |
| 19                                   | 500  | 22   | 11                 | -        |                   | STA 125 STA 135                      |  | MAT 140-C2x                                 | MAT 140-C2x  | 237  | -           | 30         | † 096+       |                 |
| 20                                   | 530  | 24   | 12                 | -        |                   |                                      |  | MAT 140-C2x                                 | next semester:<br>MAT 145  | next semester:<br>MAT 145  | 250         | 226        | 42           | † 097+          |
| 21                                   | 550  | 27   | 14                 | -        |                   |                                      |  | MAT 140                                     | MAT 130  | MAT 140<br>then MAT 145  | 263         | 237        | 46           | † 097+          |
| 23                                   | 570  | -  | -                  | 11       | MAT 117           |                                      |  |   |  | MAT 150  | 276         | -          | 61           | -               |
|                                      | 570  | -  | -                  | 11       |                   |                                      |  |   |  |  | -           | 250        | 61           | -               |
| 24                                   | 590  | -  | -                  | 13       |                   |                                      |  |   |  |  | -           | 263        | 66           | -               |
| 26                                   | 640  | -  | -                  | 15       |                   |                                      |  |   |  |  | -           | 276        | 76           | -               |
| Other P                              | Other Placement Exams are listed on the right. |  |                    |          |                   | tion is included<br>ad of MAT 095, 0 |  | ts already with o                           | credit for this course.  | For other students, N  | /AT 110 & M | AT 117-C0x | or placement | exams will      |

## Mathematics Placement-Advanced Level

Instructions for use: Find your student's exam score from among the exams and ranges in the shaded portion of the table, and move horizontally across that row towards the unshaded part of the table. Choose the course required for your major/program from the top row of the unshaded part of the table, and move down that column. In the cell where these intersect is the full recommended placement for this student. Sometimes two or more courses will be needed to complete the program's course requirement. In this case, the bolded course is that course which must be taken first, and the remaining courses are to be taken in subsequent semesters. **Note:** MAT 140-C2x is the same course as MAT 140, with the same student learning outcomes; it meets an extra hour per week to facilitate extra assistance to the students.

| Desired Course for Major-Advanced Level |  |   | Entranc | e Exams | Placement Exams   |                    |          |        |       |       |                   |
|---|--|---|---------|---------|-------------------|--------------------|----------|--------|-------|-------|-------------------|
| Calculus                                |  | MAT 250   |         |         |                   | KYOTE              | Accu     | placer | ALEKS |       |                   |
| MAT 220                                 | MAT 230  |   | ACT     | SAT     | Math<br>Readiness | College<br>Algebra | Calculus | QRAS   | AAF   | ALEKS | Prior<br>Course   |
|   | MAT 110 next semester: MAT 140-C2x & then MAT 145, or take a placement exam for MAT 130; following semester: MAT 230 | MAT 110 next semester: MAT 140-C2x; following semester: MAT 145; the following semester MAT 250 | 1       | 10      | 1                 |                    |          |        |       |       |                   |
| MAT 110                                 |  |   | -       |         |                   |                    |          |        |       |       |                   |
| next semester:<br>MAT 140-C2x           |  |   | 17      | 450     | 17                | -                  |          | 211    |       | 20    |                   |
| following semester:<br>MAT 220          |  |   | 18      | 470     | 19                |                    |          | 226    |       | 26    |                   |
| MAT 140-C2x                             | MAT 140-C2x<br>next semester:<br>MAT 145; following<br>semester: MAT 230   | MAT 140-C2x<br>next semester:<br>MAT 145  | 19      | 500     | 22                | 11                 |          | 237    |       | 30    | † 096+            |
| next semester:<br>MAT 220               |  |   | 20      | 530     | 24                | 12                 |          | 250    | 226   | 42    | † 097+            |
| MAT 140<br>next semester:<br>MAT 220    | MAT 130  | MAT 140<br>next semester:<br>MAT 145  | 21      | 550     | 27                | 14                 |          | 263    | 237   | 46    | † 097+            |
|   | next semester:<br>MAT 230  | MAT 150<br>next semester:<br>MAT 250  | 23      | 570     |                   |                    | 11       | 276    |       | 61    | -                 |
|   |  |   |         | 570     |                   |                    | 11       |        | 250   | 61    | 140               |
| MAT 220                                 |  |   | 24      | 590     |                   |                    | 13       |        | 263   | 66    | 130 or 150        |
|   | MAT 230  | MAT 250   | 26      | 640     |                   |                    | 15       |        | 276   | 76    | 150 or<br>140/145 |

<sup>†</sup> This information is included only for students already with credit for this course. For other students, MAT 110 or placement exams will be used instead of MAT 095, 096, 097.

## **Mathematics Placement**

19 17 18 20 21 Math ACT score: STA 135: Must meet one of: Math ACT: 20 or Math SAT: 530 Accupl: QRAS 250-300 or AAF 226-262 STA 135-C: Must meet one of: Math ACT: 18-19 or Math SAT: 470-520 KYOTE Readiness: 24 or Coll. Algebra 12 Accupl: QRAS 226-249 or KYOTE Readiness 19-23 or Coll. Algebra 10,11 or ALEKS: 26-41 ALEKS: 42 or MAT 117-C or (\*any algebra course 097+) (\*any algebra course 096+) MAT 117C is a prered, for STA 135 for those those who cannot take STA 135-C. MAT 117C is a prered for STA 135.

MAT 117C is a prered for STA 135. **STA 135 MAT 117-C** Any admitted student MAT 117: Must meet one of: Math ACT: 19 or Math SAT: 500 Accupi: QRAS 237 or KYOTE Readiness: 22 or ALEKS: 30 **STA 125-C:** Must meet one of: Math ACT: 17-18 or Math SAT: 450-490 (\* or any algebra course 096+) Accupl: QRAS 211-236 or KYOTE Readiness: 17-21 or ALEKS: 20-29 STA 125 STA 125-C STA 125: Must meet one of: Math ACT: 19 or Math SAT: 500 Accupl: QRAS 237 or KYOTE Readiness: 22 or ALEKS: 30 \*No algebra course is a recommended prerequisite for any of these courses. A student not meeting the ACT or MAT 117-C or SAT prerequisite is recommended to take a placement exam or MAT 117-C. However, if a student has (\*any algebra course 096+)) already taken an algebra based course, these may be used to gain entry, as indicated. MAT 130: (Same as MAT 140) **MAT 140-C:** Must meet one of Math ACT: 19-20 or Math SAT: 500-540 **MAT 130** Accupl: QRAS 237-262 or AAF 211-236 or KYOTE Readiness 22-26 or Coll. Algebra 11-13 ALEKS: 26-41 or MAT 110 (\*any algebra course 096+) **MAT 140 MAT 140-C** MAT 110 is a prereq for MAT MAT 140, 130: Must meet one of 140-C or those who cannot take Math ACT: 21 or Math SAT: 550 MAT 140-C **MAT 110** Any admitted student Accupl: QRAS 263 or AAF 237-262 KYOTE Readiness: 27 or Coll. Algebra 14 † A student not meeting the ACT or SAT prerequisite is recommended to take a placement exam or MAT 110. ALEKS: 46 However, if a student has already taken an algebra based course, these may be used to gain entry, as indicated († any algebra course 097+) 19 16 17 18 20 21 Math ACT score: