

# MATH/QUANTITATIVE REASONING (QR) PATHWAYS

## COLLEGE READY PLACEMENT

### AAS Technical Math Pathway

**MAT 11\* (Emporium OC)  
Transitional Algebra**

|           |             |
|-----------|-------------|
| KYOTE     | KMATH ≥ 6   |
| WONDERLIC | WBSTQ ≥ 200 |
| COMPASS   | PreAlg ≥ 24 |

MAT 11 Mini-Block 1.5  
MAT 11 Block 1

**TECH MATH + MAT 96 Co-Requisite (4 cr)**  
(MAT105, MAT110, MAT116) + MAT096

|           |                                    |
|-----------|------------------------------------|
| ACT       | MATH ≥ 16                          |
| KYOTE     | KMATH 12 - 21                      |
| WONDERLIC | WBSTQ ≥ 250                        |
| COMPASS   | Alg 16 - 35 <b>[**PreAlg ≥ 42]</b> |

**MAT 105 Business Math**  
**MAT 110 Applied Math**  
**MAT 116 Technical Math**

|           |             |
|-----------|-------------|
| ACT       | MATH ≥ 19   |
| KYOTE     | KMATH ≥ 22  |
| WONDERLIC | WBSTQ ≥ 290 |
| COMPASS   | ALG ≥ 36    |

### Liberal Arts, Health or MAT126 Pathway

**MAT 11\* (Emporium OC)  
Transitional Algebra**

|           |             |
|-----------|-------------|
| KYOTE     | KMATH ≥ 6   |
| WONDERLIC | WBSTQ ≥ 200 |
| COMPASS   | PreAlg ≥ 24 |

MAT 11 Block 2 or Mini-Block 2.5  
MAT 11 Block 1

**MAT 75 Mathematical Literacy (4 cr)**

|           |                                    |
|-----------|------------------------------------|
| ACT       | MATH 16 - 18                       |
| KYOTE     | KMATH 12 - 21                      |
| WONDERLIC | WBSTQ 250 - 289                    |
| COMPASS   | Alg 16 - 35 <b>[**PreAlg ≥ 42]</b> |

**MA 111 Contemporary Math**  
**MAT 126^ Tech Algebra & Trig**  
**STA 210 Intro to Stat Reasoning**  
**PHI 250^^ Symbolic Logic (New)**

|           |                            |
|-----------|----------------------------|
| ACT       | MATH ≥ 19                  |
| KYOTE     | KMATH ≥ 22                 |
| WONDERLIC | WBSTQ ≥ 290 <b>[**330]</b> |
| COMPASS   | ALG ≥ 36                   |

### STEM-C or Business Pathway

**MAT 11\* (Emporium OC)  
Transitional Algebra**

|           |             |
|-----------|-------------|
| KYOTE     | KMATH ≥ 6   |
| WONDERLIC | WBSTQ ≥ 200 |
| COMPASS   | PreAlg ≥ 24 |

Block 2  
Block 1  
Block 3

**MAT 75 Mathematical Literacy**

|           |                                    |
|-----------|------------------------------------|
| ACT       | MATH 16 - 18                       |
| KYOTE     | KMATH 12 - 21                      |
| WONDERLIC | WBSTQ 250 - 289                    |
| COMPASS   | Alg 16 - 35 <b>[**PreAlg ≥ 42]</b> |

**MAT 150 + MAT 96 Co-Requisite  
College Algebra + Supplement (5 cr)**

|           |             |
|-----------|-------------|
| ACT       | MATH ≥ 19   |
| KYOTE     | KMATH ≥ 22  |
| WONDERLIC | WBSTQ ≥ 290 |
| COMPASS   | ALG ≥ 36    |

**MAT 150 College Algebra**  
**MAT 160# Precalculus (5 cr)**

Prereq: MAT 085 or MAT 011 Block 3

|         |                         |
|---------|-------------------------|
| ACT     | MATH ≥ 22               |
| KYOTE   | KMATH ≥ 25 or KALG ≥ 14 |
| COMPASS | ALG ≥ 50                |

Alternate: MAT 85^

**\* MAT 11 includes multiple entry/exit paths**

**Pass (P)** → Block Complete (STEP Credit) or KYOTE College-Ready

**Making Progress (MP)** → Re-enroll in MAT 11

**Block 1 (Modules 1 - 4)** = MAT 55  
**Block 2 (Modules 5 - 8)** = MAT 75  
**Block 3 (Modules 9 - 12)** = MAT 85

**Mini-Block 1.5** = MAT 62  
**Mini-Block 2.5** = MAT 75

**\*\* Recommended Minimum Score**

**# Prereq for MA113**  
MAT160 or (MAT150 & MAT155)

**^ MAT085 or MAT126 (SI) supplemental instruction**  
Prereq: MAT065 or MAT075  
ACT MATH 18  
COMPASS Alg 31 - 35  
WONDERLIC WBSTQ 275 - 288  
KYOTE KMATH 18 - 21

**^^ PHI 250 Symbolic Logic (New Spring 2018)**  
Meets QR requirements for AA or AFA degrees

**Beware the Ones!!!**

MAT 011 Transitional Algebra (Dev)  
MA 111 Contemporary Math (Gen Ed)  
MAT 110 Applied Math (Tech)

**MS Division Contacts:**

Dev/Co-Req Coordinator: [Angela.Huddleston@kctcs.edu](mailto:Angela.Huddleston@kctcs.edu)  
MAT 011 Coordinator: [Jeff.Herrin@kctcs.edu](mailto:Jeff.Herrin@kctcs.edu)  
MS Coordinator: [Ana.Leon@kctcs.edu](mailto:Ana.Leon@kctcs.edu)  
MS Division AD: [Kausha.Miller@kctcs.edu](mailto:Kausha.Miller@kctcs.edu)

**Prior Course Work Prerequisite Paths:**

**MAT 55** --> MAT 11, MAT 62, MAT 75 or TECH Math + MAT 96  
**MAT 65** --> MAT 11, TECH Math, MAT 85 or MAT150 + MAT 96  
**MAT 85** --> MA 111, STA 210, PHI 250, MAT 150, or MAT160

**Math & Stats Advising Website:**  
[https://bluegrass.kctcs.edu/mathematics\\_and\\_statistics/math\\_advising.aspx](https://bluegrass.kctcs.edu/mathematics_and_statistics/math_advising.aspx)

**Online Math Course Enrollment Request:**  
[https://legacy.bluegrass.kctcs.edu/forms/math\\_stats/pre\\_requisite\\_check/](https://legacy.bluegrass.kctcs.edu/forms/math_stats/pre_requisite_check/)