Math Advising Flow

All students must read at the college level to enroll in a mathematics class.

**Business Majors**

1. MATH 1530 Elementary Probability and Statistics (3): **ACT 19-20** or **Compass 36** (any TBR school)

   *ACT 18 and below or Compass 35 and below must be paired with MATH 0530 (2)

   Or

   2. MATH 1030 Intro to College Math (3): **ACT 19-20** or **Compass 36**

   *ACT 18 and below or Compass 35 and below must be paired with MATH 0030 (3)

3. MATH 1130 College Algebra (3): **ACT 21** or **Compass 47**

4. MATH 1830 Basic Calculus and Modeling (4): **ACT 22 or Compass 52** and HS Algebra I and II and Precalculus

5. MATH 1630 Finite Math (3): **ACT 22 or Compass 52** and HS Algebra I and II and Precalculus

6. MATH 2050 Intro to Statistics (3): (required for UTK) Prerequisite MATH 1830 or MATH 1910

   - MATH 1630 and MATH 2050 can be taken at the same time.

   - **TN Transfer Pathways** **DO NOT substitute**. If student already completed MATH 1910, it would be better to switch to General Associates.

**STEM (Science, Technology, Engineering, Math Majors)**

1. MATH 1030 Intro to College Math (3): **ACT 19-20** or **Compass 36**

   *ACT 18 and below or Compass 35 and below must be paired with MATH 0030 (3)

2. MATH 1710 Pre-Calculus Algebra (3): **AND** MATH 1720 Pre-Calculus Trig (3): **ACT 22 or higher and HS Algebra I and II or Compass 52**

   Or

3. MATH 1730 Pre-Calculus Algebra and Trigonometry (5): **ACT 23 or higher and HS Algebra I and II and Precalculus**

4. MATH 1910 Calculus I (4): **ACT 26 or Compass 78 and HS Algebra I and II and Precalculus/Trigonometry**

5. MATH 1920 Calculus II (4): Prerequisite MATH 1910

6. MATH 2110 Calculus III (4): Prerequisite MATH 1920

7. MATH 2120 Differential Equations (3): Prerequisite MATH 1920

8. MATH 2010 Matrix Algebra (3): Prerequisite MATH 1920

   - Science majors do not require higher than Calculus II.

**Liberal Arts Majors**

1. MATH 1010 Survey of Mathematics (3): **ACT 19 or higher or Compass 36**

   *ACT 18 and below or Compass 35 and below must be paired with MATH 0010 (3)

2. MATH 1530 Elementary Probability and Statistics (3): **ACT 19 or Compass 36**

   *ACT 18 and below or Compass 35 and below must be paired with MATH 0530 (2)

   *This works for ENGL, HIST, PSYCH, PHIL, or SOCI majors.

   *MATH department prefers students to take 1010 before 1530 if they need both.