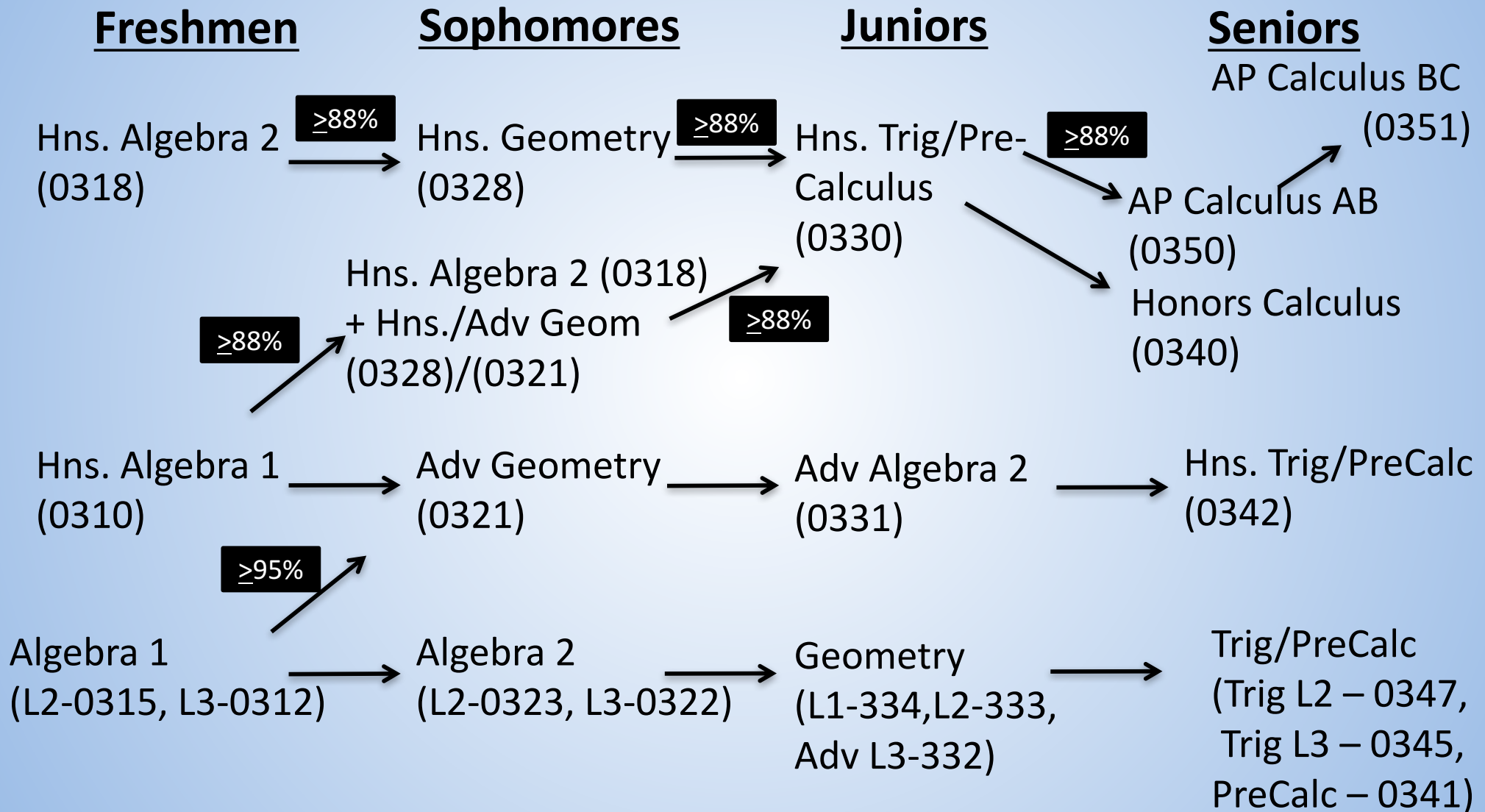


Math Department Course Sequencing



- AP Statistics (0360) can be taken by Juniors or Seniors who have finished Algebra 2 with at least an 85%.
- Additional math electives include: Hns JAVA-College in HS credit (0368), Probability & Statistics (0375)

Freshman Course Placement Criteria

Students will be able to:

- List fractions in order from least to greatest and perform operations on them.
- Create a four-quadrant graph with all details labeled.
- Graph a linear equation/inequality.
- Write a linear equation in slope intercept form and standard form. Identify the x and y intercepts and the slope.
- Solve multi-step equations, some involving complex fractions, some involving absolute value.
- Distribute and simplify expressions.
- Identify horizontal and vertical lines, their properties, and write their equations.
- Set up and solve linear word problems.
- Given a linear equation and a point, create another linear equation that is either parallel or perpendicular to the original line and goes through the listed point.
- Solve literal equations.
- Solve a system of equations using either substitution, elimination, graphing, or a matrix.
- Factor with and without the quadratic formula.
- Factor quadratic equations when the value of “a” does not equal 1.
- Factor and simplify polynomial expressions.
- Simplify exponents and scientific notation operations.

Basic understanding of these concepts will place student into **Algebra 1 Level 3**. Showing mastery of these concepts along with a basic understanding of the concepts below will place student into Honors **Algebra 1**.

A solid understanding of these concepts along with mastery of previous concepts will place student into **Honors Algebra 2**.