**Algebra I:**

Problem solving and reasoning, algebraic expressions, linear equations/inequalities relations, functions, graphs, systems, linear equations inequalities, rational expressions, irrational and complex numbers, quadratic equations/functions, polynomial functions, geometry, exponential/logarithmic functions, probability and statistics, sequences and series.

**Geometry:**

Problem solving, visualizing, reasoning and two column proofs point, lines and planes, congruence, similarity, right triangles, circles, perimeter, area and volume, transformational geometry, geometry, geometric constructions, language of algebra

**Algebra II:**

Problem solving, reasoning & estimation, exponential & logarithmic functions, trigonometry, complex numbers, vectors, matrices, geometry/conic sections, sequences & series, probability & statistics

**Advanced Mathematical Decision Making:**

Possible topics considered include: problem solving, reasoning, communication, decision making, graph theory, discrete probability, recursion, matrices, sets, logic, functions and relations.