MATHEMATICS

181001-181002I Intermediate Algebra
Grade(s): 9-12
Credit: .5 per semester
Term(s): 1 & 2
Also available through AEO
Students will understand the concept of function and identify its important features. Students will recognize and solve math problems involving linear, quadratic, and exponential functions in mathematical situations and represent functions with tables, graphs and symbols.

181201-181202 Geometry 9
Prerequisite: Intermediate Algebra
Grade(s): 9
Credit: .5 per semester
Term(s): 1 & 2
This course is designed for students who have successfully completed Intermediate Algebra in 8th grade. Students will calculate measurements of plane and solid geometric figures, solve geometric problems using algebraic methods, and construct logical arguments, based on axioms, definitions and theorems.

Students will also know and apply properties of geometric figures (parallel and perpendicular lines, angles, triangles, quadrilaterals, Pythagorean Theorem, trigonometry, and circles) to solve real-world problems. Additional rigor will be incorporated into the course to extend students' learning.

181401-181402 Geometry
Prerequisite: Intermediate Algebra
Grade(s): 10-12
Credit: .5 per semester
Term(s): 1 & 2
Offered at AEO for students 9-12
This course is designed for students who have successfully completed Intermediate Algebra. Students will calculate measurements of plane and solid geometric figures, solve geometric problems using algebraic methods, and construct logical arguments, based on axioms, definitions and theorems. Students will also know and apply properties of geometric figures (parallel and perpendicular lines, angles, triangles, and quadrilaterals) to solve real-world problems.