MTH 020 - MTH 120 SUPPORT

Course Description

MTH 120 Support will focus on essential arithmetic, algebraic, and geometric skills needed for success in MTH 120. This course is for students concurrently enrolled in Math 120. Support topics include order of operations, properties of exponents, geometry, fractions, dimensional analysis, linear equations, proportions, basic graphing techniques, applications, and growth mindset/college readiness.

Credit Hours

2

Contact Hours

2

Lecture Hours

2

Required Prerequisites

A grade of 2.0 or higher in MTH 100 or appropriate placement score

Corequisites

MTH 120

Recommended Prerequisites or Skills Competencies

High school algebra and geometry

Course Learning Outcomes

Knowledge:
- Order of Operations, Properties of Exponents, Geometry, Fractions, Dimensional Analysis, Linear Equations, Proportions, Basic Graphing Techniques, Applications, Growth mindset/college readiness.

Application:
- The student will solve real world problems using appropriate models and strategies.

Integration:
- Students will apply problem solving strategies justifying their results in real world problems: linear growth, dimensional analysis, proportional reasoning, logical reasoning, using a formula, using correct technology.

Human Dimension:
- Self: Students will strive to improve areas of mathematical weakness based on feedback. Others: Students will collaborate with peers during group work.

Caring - Civic Learning:
- Students will recognize the impact mathematics plays in civic situations such as politics, education and income.

Learning How to Learn:
- Students will relate mathematical skills to real-life situations.