Quantitative and Logical Reasoning Trail Marker

Students will gain and apply quantitative and logical reasoning through a variety of paths in the Bethany College Curriculum.

By the end of a course in quantitative reasoning, students should be able to

- Formulate, evaluate, and communicate conclusions and inferences from quantitative or symbolic information across disciplines
  - Formulate: set up a problem/program to model the given information
  - Evaluate: identify/use proper techniques for formulated scenario
  - Communicate: recognize the appropriateness of the solution, interpret the solution in context
  - Assumptions: analyzes a proper selection of assumptions
- Apply effective and efficient mathematical processes to reason and solve problems across disciplines
  - Accuracy: the problem is done correctly
  - Efficiency: the problem is done clearly
  - Propriety: the techniques are reasonable and correct

Courses

CPSC 107 Introduction to Computing

CPSC 151 Computer Science I

CPSC 210 Discrete Mathematics

MATH 103 College Algebra

MATH 105 Precalculus

MATH 170 Connections in Mathematical Understanding

MATH 230 History of Mathematics

MATH 201 Calculus I

MATH 202 Calculus II

MATH 210 Discrete Mathematics

MATH 281 Statistical Methods

PSYC 205 Statistics in Psychology I