

LOPER 4: MATHEMATICS, STATISTICS, AND QUANTITATIVE REASONING

FOUNDATIONAL REQUIREMENTS – Skills that every university-educated person needs:

Mathematics, Statistics, and Quantitative Reasoning (minimum 3 hours).
Courses must meet all learning outcomes.

Assessed as:

- Can describe problems using mathematical, statistical, or programming language
- Can solve problems using mathematical, statistical, or programming techniques
- Can construct logical arguments using mathematical, statistical, or programming concepts
- Can interpret and express numerical data or graphical information using mathematical, statistical, or programming concepts and methods

Code	Title	Credit Hours
CYBR 101	Computer Science I: Python for Analytics	3
CYBR 102	Computer Science I: C for Security	3
CYBR 103	Computer Science I: Java for Software Development	4
CYBR 306	Introduction to Predictive Modeling	3
MATH 102	College Algebra	3
MATH 103	Plane Trigonometry	3
MATH 106	Mathematics for Liberal Arts	3
MATH 115	Calculus I with Analytic Geometry	5
MATH 120	Finite Mathematics	3
MATH 123	Applied Calculus I	3
MATH 230	Math for Elementary Teachers I	3
MGT 233	Business Statistics	3
STAT 235	Introduction to Statistics for Social Sciences	3
STAT 241	Elementary Statistics	3