

Applied Statistics Level I Certificate

Applied Statistics Level I Certificate Requirements

14 credits

Code	Title	Hours
Required Courses		
MATH 1210	Calculus I (MA) (Prerequisites: MATH 1010 and MATH 1050 and MATH 1060 OR MATH 1080 or equivalent placement score.) ¹	4
MATH 1220	Calculus II (MA) ¹	4
MATH 2270	Linear Algebra ¹	3
MATH 2050	Applied Statistics with Programming	3

Total Hours **14**

1. COURSE FEE REQUIRED. See course fee tab for details.

Completion Requirements

1. Complete 14 hours of specified coursework.
2. Complete all coursework with a C or higher.
3. Cumulative GPA of 2.0 or higher.

Applied Statistics Level I Certificate Program Learning Outcomes

At the successful conclusion of this program, students will be able to:

1. Develop and evaluate testable hypotheses from theories and implications of test results.
2. Demonstrate standard statistical methods such as hypothesis tests, confidence intervals, and linear regression in real-world applications.
3. Investigate the use of statistical methods such as sampling methods, time series methods, variable reduction, etc.
4. Communicate results obtained using computer software and programming methods.