



**Department of Mathematics, Computer Science, & Statistics**  
**Certificate in Statistics**  
**Advising Checklist for 2020-2022**

A certificate in statistics requires 12 hours from the following courses. You may take the statistics courses and mathematics elective in an online format with instructor permission.

*Choose at most one:*

- STA 2053 Applied Biostatistics
- STA 2323 Statistical Methods
- a substitute approved by the mathematics department

*Choose at least six hours:*

- STA 3443 Statistical Computing
- STA 4013 Applied Regression Analysis
- STA 4023 Applied Analysis of Variance
- STA 4033 Nonparametric Statistical Methods
- STA 4043 Statistical Analysis of Time Series
- STA 4171-3 Special Topics in Statistics
- MTH/STA 4463 Probability and Statistics II

*Choose at most one:*

- CSC 1104 Foundations of Computer Science I
- CSC 1114 Foundations of Computer Science II
- CSC 2203 Data Structures
- CSC 3133 Introduction to Database Theory
- CSC 3223 Algorithm Analysis
- CSC 4213 Simulation Theory
- MTH 3163 Probability and Statistics I

**You must earn a grade of C or higher in all courses that count toward your certificate.**

Updated 20 May 2020