

**MATHEMATICS—Applied Statistics
Bachelor of Arts (B.A.)**

Required Mathematics courses (40 credit hours)

MA 151 Calculus and Analytic Geometry I (5)
MA 152 Calculus and Analytic Geometry II (5)
MA 253 Calculus and Analytic Geometry III (3)
MA 301 Linear Algebra (3)
MA 340 ANOVA/ Design of Experiments (3)
MA 341 Nonparametric Tests/Quality Control (3)
MA 342 Statistical Computing (3)
MA 344 Mathematical Statistics I (3)
MA 345 Mathematical Statistics II (3)
MA 346 Regression Analysis (3)
MA 347 Stochastic Processes (3)
MA 348 Time Series Analysis (3)

Required Computer Information Sciences courses (16 credit hours)

CM 111 Introduction to Structured Programming (4)
CM 245 Contemporary Programming Methods (3)
CM 307 Data Structures (3)
CM 332 Data Mining (3)
CM 336 Database Management (3)

These courses will complete a Computer Information Science minor. Contact CIS Chair to declare.

General Education (31-32 credit hours)

EN 101 Introductory College Writing (3)
EN 200 Intermediate College Writing (3)
CN 101 Intro Communication Studies OR CN 150 Public Speaking OR CN 151 Intro to Interpersonal Communication OR CN 351 Special Topics in Interpersonal Communication (3)
4-5 credit hours of Natural Sciences with a lab
6 credit hours of Arts and Humanities from two different disciplines Arts and Humanities I (3) Arts and Humanities 2 (3)
6 credit hours of Social Sciences from two different disciplines Social Science I (3) Social Science 2 (3)
6 credit hours of Institution Specific from two different disciplines Inclusion and Belonging (3) Scientific Literacy (3) MA 140 can count here

Additional Specific Degree requirements (10 credit hours)

WU 101 Washburn Experience (3)
EN 300 Adv College Writing OR EN 308 Sci & Tech Writing OR EN 312 Persuasive Writing (3)
FL 102 (4) <i>second semester of a foreign language</i>

Additional General Degree requirements

45 total credit hours of 300 level or above (39 credits specifically listed above)
80 hours non-math courses
99 hours in College of Arts and Sciences
120 total hours needed

Careful selection of elective courses could lead to a minor. (For example, a minor in Business Data Analytics consists of EC 211, BU 250, BU 258, DA 348 and DA358/DA368.) Students must declare a minor with the appropriate Department.