

MATHEMATICS
Bachelor of Science (B.S.)

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 260 Introduction to Number Theory (3)
MA 307 Discrete Mathematics (3) (PH 220 Symbolic Logic (3) is a prerequisite)
MA 301 Linear Algebra (3)
Select one of the following (3): (MA 140 is a prerequisite for each of these) MA 340 ANOVA/ Design of Experiments MA 341 Nonparametric Tests/Quality Control MA 346 Regression Analysis
MA 344 Mathematical Statistics I (3)
MA 354 Abstract Algebra (3)
MA 371 Introduction to Real Analysis I (3)
MA 372 Introduction to Real Analysis II (3)
MA 380 Problem Solving Strategies (2) (This is a one credit course taken two times)
MA 388 Capstone Research (1)

One of the following correlated sequences (12-13 credit hours)

PS 281 & 282 General Physics I & II (or PS 261 & 262 College Physics I & II), 3 hours of PS 3XX
CM 111 Intro Prog, CM 245 Contemp Prog, CM 307 Data Struct & Algor Analysis, CM 332 Data Mining
CM 111 Intro Prog, CM 203 Digital Forensics I, CCM 245 Contemp Prog, CM 303 Digital Forensics II
EC 200 Princ of Microeconomics, EC 201 Princ of Macroeconomics, 6 hours of EC 3XX
EC 211 Stats for Bus & Econ, BU 248 Data Analysis, BU 250 Mgmt Info Sys, DA 348 Data Disc & Mgmt
EC 200 Microecon, BU 260 Bus Plan Devel, EC 306 Game Theory and Apps, CM 390 Game Programming

The correlated sequences put students on track to obtain a minor in Physics, Computer Information Sciences, Digital Forensics, Economics, Business Data Analytics, or Game Design respectively. The minor must be declared in the corresponding Department.

Required Science Concentration—30 credit hours:

30-hour concentration in the Natural Sciences (Biology, Chemistry, Physics & Astronomy, or Computer Information Science) with at least 15 hours in one department.

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) PH 220 can count here 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 (6 credit hours)

WU 101 Washburn Experience (3)
EN 300 Adv College Writing OR EN 308 Sci & Tech Writing OR EN 312 Persuasive Writing (3)

Additional General Degree requirements

45 total credit hours of 300 level or above (30 credits specifically listed above)
72 hours non-math courses
99 hours in College of Arts and Sciences
120 total hours needed