

SIMPSON COLLEGE MATHEMATICS

MATHEMATICS MAJOR

REQUIRED COURSES:

- Math 151 Calculus I
- Math 152 Calculus II
- Math 251 Calculus III
- Math 255 Linear Algebra
- Math 265 Introduction to Advanced Mathematics
- CmSc 150 Introduction to Programming

300-LEVEL THEORY COURSE: *Take one of*

- Math 315 Graph Theory
- Math 325 Topology
- Math 331 Real Analysis
- Math 350 Abstract Algebra
- Math 375 Geometry

300-LEVEL APPLICATION COURSE: *Take one of*

- Math 301 Probability and Statistics I
- Math 302 Probability and Statistics II
- Math 308 Advanced Data Modeling
- Math 345 Differential Equations
- Math 360 Complex Variables

ELECTIVES: *Take two additional courses from the following list*

- Math 301 Probability and Statistics I
- Math 302 Probability and Statistics II
- Math 308 Advanced Data Modeling
- Math 315 Graph Theory
- Math 325 Topology
- Math 331 Real Analysis
- Math 345 Differential Equations
- Math 350 Abstract Algebra
- Math 360 Complex Variables
- Math 375 Geometry
- Math 390 Special Topics in Mathematics
- CmSc 365 Theory of Computation

CAPSTONE: *One of the following courses*

- Math 385 Senior Research Seminar
- Math 386 Senior Experience Seminar

MATHEMATICS MINOR

REQUIRED COURSES:

- Math 151 Calculus I (QUANT)
- Math 152 Calculus II (QUANT)

ELECTIVES: *Three additional 4 credit mathematics courses from the following list*

- Math 251 Calculus III (QUANT)
- Math 255 Linear Algebra (ORALCOM)
- Math 265 Introduction to Advanced Mathematics (CRITTHINK, WRITCOM)
- Math 290 Special Topics in Mathematics
- Math 301 Probability and Statistics I
- Math 302 Probability and Statistics II
- Math 308 Advanced Data Modeling
- Math 315 Graph Theory
- Math 325 Topology
- Math 331 Real Analysis
- Math 345 Differential Equations
- Math 350 Abstract Algebra
- Math 360 Complex Variables
- Math 375 Geometry
- Math 390 Special Topics in Mathematics
- CmSc 365 Theory of Computation