[ARCHIVED CATALOG]

Analytics, Minor

Analytics requirements

The minor in Analytics provides students with an introduction to data-intensive decision making using modern statistical techniques and technological tools that are common across a broad set of disciplines including business, technology, mathematics and the sciences.

Students pursuing a minor in Analytics are required to:

- Complete 24 credits.
- Maintain at least a 2.000 overall grade point average in the minor.
- Complete all courses in the minor for a letter grade.
- Complete a minimum of 12 credits for the minor at Chapman University.
- 12 credits (4 courses) must be taken outside the major program of study.
- Complete a minimum of 15 credits of upper-division credit.

lower-division requirements (9 credits)

- MGSC 220 - Foundations of Business Analytics **3 credits**
- CPSC 230 - Computer Science I **3 credits**

one of the following

- MATH 203 - Introduction to Statistics **3 credits** *
- PSY 203 - Statistics for Behavioral Sciences **3 credits**
- MGSC 209 - Introductory Business Statistics **3 credits**

upper-division requirements (9 credits)

- MGSC 310 - Statistical Models in Business Analytics **3 credits** **

- CPSC 392 - Introduction to Data Science **3 credits**
- MGSC 410 - Applied Business Analytics **3 credits**

upper-division electives (6 credits)

- BIOL 302 - Introduction to Bioinformatics **3 credits**
- MATH 303 - Biostatistics **3 credits**
- CPSC 308 - Enterprise Data Management **3 credits**
- CPSC 350 - Data Structures and Algorithms **3 credits**
- MATH 360 - Probability Theory **3 credits**
- MATH 361 - Mathematical Statistics **3 credits**
- CPSC 393 - Machine Learning **3 credits**
- MGSC 406 - Advanced Experimental Design and Statistics **3 credits**
- CPSC 408 - Database Management **3 credits**

- CPSC 435 - BioMedical Informatics **3 credits**

  OR
- ECON 452 - Econometrics **3 credits**

total credits 24

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*Mathematics majors may satisfy this requirement with MATH 361. Biological Sciences majors may satisfy this requirement with MATH 303.

**Economics majors may satisfy this requirement with ECON 452.