Data Science Minor Requirements

Required Courses – 12 credits
CPSC 123 Introduction to Scientific Programming *or* CPSC 135 Computer Science I (3 credits)
CPSC 223 Advanced Scientific Programming (3 credits)
CPSC 256 SQL Programming (3 credits)
MATH 140 Applied Statistical Methods *or* MATH 150 Introduction to Biostatistics (3 credits)
or MATH 301 Probability and Statistics I (3 credits)

Elective CPSC Courses – 3 or 6 credits
CPSC 458 Data Mining and Predicative Analysis (3 credits)
CPSC 459 Introduction to Big Data (3 credits)

Elective MATH Courses – 3 or 6 credits
MATH 250 Applied Regression Analysis (3 credits)
MATH 304 Statistical Programming (3 credits)
MATH 325 Applied Time Series Analysis (3 credits)

Notes:
Students must take a total of three elective courses: 2 CPSC courses and 1 MATH course,
or 1 CPSC course and 2 MATH courses.

Program Plan Code: DASC
Effective Date: Fall 2024

Data Science Minor Checksheet

Student Name   Student ID Number:

Required Courses - 12 credits

CPSC 123 Introduction to Scientific Programming *or* CPSC 135 Computer Science I	3 credits	Grade:
CPSC 223 Advanced Scientific Programming	3 credits	Grade:
CPSC 256 SQL Programming	3 credits	Grade:
MATH 140 Applied Statistical Methods *or* MATH 150 Introduction to Biostatistics *or* MATH 301 Probability and Statistics I	3 credits	Grade:
Total Credits	12 total credits	

Elective Courses: CPSC – 3 or 6 credits

CPSC 458 Data Mining and Predictive Analysis I	3 credits	Grade:
CPSC 459 Introduction to Big Data	3 credits	Grade:
Total Credits	3-6 total credits	

Elective Courses: MATH – 3 or 6 credits

MATH 250 Applied Regression Analysis	3 credits	Grade:
MATH 304 Statistical Programming	3 credits	Grade:
MATH 325 Applied Time Series Analysis	3 credits	Grade:
Total Credits	3-6 total credits	

Note:
Students must take a total of three elective courses: 2 CPSC courses and 1 MATH course,
or 1 CPSC course and 2 MATH courses.

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