

DATA SCIENCE MINOR

The Data Science minor has an emphasis on the foundations of computational thinking, problem solving, and how to represent, store, access, and modify data. Students can take a strict subset of Computer Science major courses to fulfill the minor requirements. Completion of 20 credit-hours (all four-credit courses) is required for the minor.

Regulations Governing Minor Course Work

1. There shall be a minimum of 18.0 credit hours with a minimum Millersville QPA of 2.0.
2. Only one course which counts toward your major may be counted toward your minor.
3. Courses that count toward a minor are also eligible to be used to satisfy the current University-wide General Education requirements subject to normal distribution requirements.
4. At least two courses should be at the upper-division level (300-400). Exceptions may be requested upon evidence of program depth.
5. No course needed for the minor may be taken Pass-Fail.
6. One-half or more of the work required for the minor must be completed at Millersville University.
7. No student may minor in his or her major.

Minor in Data Science

Code	Title	Hours
CSCI 140	Discrete Structures	4
CSCI 161	Introduction to Programming 1	4
CSCI 162	Introduction to Programming 2	4
CSCI 366	Database Systems	4
Data Mining or Lg-Scale Data Analytics Viz - Choose 1 of the following:		4
CSCI 452	Data Mining	
CSCI 453	Large-Scale Data Analytics and Visualization	
Total Hours		20