The goal of the Master of Science in Data Science Program is to educate data science leaders. The program prepares students at an advanced level to derive insights from real-world datasets, using the latest tools and analytical methods, and to interpret and communicate their findings effectively. The curriculum closely complements what has been identified as typical data science tasks to include, but not limited to, the identification and interpretation of rich data sources, the management of large amounts of data, the merging of data sources, ensuring consistency of datasets, creating visualizations to aid in understanding data, building mathematical models using the data, and presenting and communicating the data insights/findings to diverse expert and non-expert audiences.

The program features a multidisciplinary curriculum that draws primarily from computer science, math and statistics, management, and communication and represents a fixed curriculum comprising 36 credits (12 three-credit courses) to include a required capstone course which represents the culminating experience for students. The online M.S. in Data Science Program will focus primarily on adult and non-traditional students who hold an undergraduate degree and have the desire to continue their education towards a graduate degree, primarily to expand knowledge and specialized skills in this area and for career advancement.

A collaborative program

The M.S. in Data Science is a fully online 36-credit (12 three-credit courses including a capstone course) graduate program offered jointly by UW-Eau Claire, UW-Green Bay, UW-La Crosse, UW-Oshkosh, UW-Stevens Point, and UW-Superior. The program follows a home-campus model. Candidates apply to one of the six partner institutions. Upon a student’s admittance, that institution becomes the student’s administrative home for the degree through graduation.