

MASTER OF SCIENCE IN DATA SCIENCE

The MS Data Science program at UW-Madison provides students with abilities in computational and statistical thinking and skills, which may be combined with domain knowledge to address data-rich problems from diverse fields and various industries. Graduates will acquire data science competencies to think critically about data, and to manage, process, model, and analyze data to obtain meaning and knowledge, and further to use data in responsible, ethical ways.

ACCELERATED PATHWAY

The MS Data Science accelerated pathway is for those who have completed a bachelor's degree at UW-Madison with a major in Computer Sciences, Statistics, Data Science, or related fields such as Engineering or Math, to complete the MS Data Science degree in one calendar year (i.e. a fall, spring and summer semester) or in 3 semesters. Students can transfer a maximum of 7 credits from their UW-Madison undergraduate career toward MS Data Science degree requirements.

ELIGIBILITY

To be eligible for the MS Data Science accelerated pathway, students must have completed at least one Computer Sciences or Machine Learning core course, or one Data Science elective course, (3-7 credits) with a grade of B or above as a University of Wisconsin-Madison undergraduate.

MS Data Science admissions requirements and program curriculum can be found in the [Graduate Guide](#). Admission to MS Data Science is highly competitive.

SAMPLE ENROLLMENT PLANS

UW alumni in MS Data Science come from a variety of backgrounds so enrollment plans are individualized. The plans below are purely examples.

Example A (1 calendar year - 3 semesters)

Taken as UW-Madison undergraduate: Two Computer Sciences core courses = 6-7 credits

Fall term: STAT 611 (3), STAT 613 (3), Computer Sciences core course (3-4) = 9-10 credits

Spring Term: STAT 612 (3), Two Machine Learning core or Data Science electives (6) = 9 credits

Summer term* or Second Fall term: Remaining Machine Learning core and Data Science electives (6 credits)

***Note:** Summer term completion is dependent on course availability. Visa-holding international students may have additional requirements for the final semester, and are encouraged to meet with their ISS advisor if they plan to graduate in a summer term.

Example B (3 semesters)

Taken as UW-Madison undergrad: One Computer Sciences core, Machine Learning core or Data Science elective course = 3-4 credits

First Fall term: STAT 611 (3), STAT 613 (3), Computer Sciences core course (3-4) = 9-10 credits

First Spring term: STAT 612 (3), Computer Sciences core (3-4), Machine Learning core or Data Science elective (3) = 9-10 credits

Second Fall term: Remaining Machine Learning core (3-6) and Data Science electives (3-6) = 9 credits

If you are interested in learning more about the MS Data Science accelerated pathway for UW-Madison alumni, please visit our [website](#) or contact the MS Data Science program coordinator at msdatascience@stat.wisc.edu.