The typical student in the Master of Engineering in Data Science is someone with a bachelor’s or an advanced degree in computing, science, or math (with preparation roughly consistent with an undergraduate computing degree) who wants to gain knowledge in Data Science for the purposes of

* learning how to prepare, process, analyze, visualize, and share data using data mining, big data analytics, and data visualization tools.
* identifying key insights and predicting trends using machine learning models to facilitate pivotal informed data-driven decision-making.
* solving advanced engineering mathematical problems using linear algebra, differential equations, probability, and probability.

UConn’s Data Science students include both non-working students and part-time or full-time working professionals working as Software Engineers, Automation Engineers, Mechanical Design Engineers, Financial Business Managers, and Project Managers in companies such as Pratt & Whitney, US Coast Guard, TTM Technologies, United Technologies, Electric Boat, and Manchester Hospital.

UConn’s Data Science students have varied backgrounds in Computer Science, Mechanical Engineering, Biomedical Engineering, Actuarial Science, Operations Research, Biology, and Math. The commonality among all current students is a desire to learn new skills and adopt a data-driven approach to problem-solving.

Highlights of UConn’s MEng in Data Science program include:

* learning both the foundational and practical aspects of data science and big data analytics.
* machine learning applications and methods across a wide range of engineering settings.
* flexibility to choose from a wide range of technical electives.
* the ability to take and participate in the course from anywhere in the world through the online and distance learning modality.
* the flexibility of the course design to support working professionals in taking courses while part-time or fully employed.
* team of supportive and helpful professors and students.