

MASTER OF SCIENCE IN DATA SCIENCE

Eastern University's Master of Science in Data Science offers an innovative approach to learning the art and science of data science in as little as 10 months. In 30 credits, students will become equipped with abilities employers desire: cutting-edge technical skills combined with enhanced decision-making ability and discernment. Our students are trained to apply mathematical and statistical thinking and computer programming skills to both theoretical and applied problems. Students will be inspired to understand data science in the context of their faith - that is, as a tool through which wise decisions can be made that enable human flourishing.

Code	Title	Credit Hours
Required courses		
DTSC 650	Data Analytics in R	3
DTSC 660	Data and Database Management with SQL	3
DTSC 670	Foundations of Machine Learning Models	3
DTSC 690	Data Science Capstone: Ethical and Philosophical Issues in Data Science, Ethical and Philosophical Issues in Data Science and Analytics	3
Electives		
DTSC 520	Fundamentals of Data Science	3
DTSC 550	Introduction to Statistical Modeling	3
DTSC 560	Data Science for Business	3
DTSC 575	Principles of Python Programming	3
DTSC 580	Data Manipulation	3
DTSC 600	Information Visualization	3
DTSC 620	Cloud Foundations	3
DTSC 680	Applied Machine Learning	3
DTSC 685	Natural Language Processing	3
DTSC 691	Data Science Capstone: Applied Data Science, Applied Data Science and Analytics Science	3

Dual MBA/MS In Data Science

Eastern University's dual MS in Data Science and MBA degree merges the technical aspects of data science with the strategic acumen of business administration. This comprehensive program is tailored for professionals aiming to excel in our rapidly changing digital economy.

The self-paced, asynchronous nature of the coursework allows students to engage with both technical and nontechnical material concurrently within a flexible timeframe. In this program, students acquire not only cutting-edge technical skills demanded by today's employers, but also the critical decision making and leadership competencies essential for managerial roles. Graduates will emerge with this dual competency, prepared to harness the power of data science within business contexts to drive innovation, operational efficiencies, and sustainable growth. The courses are embedded within a framework that encourages students to integrate their faith with their professional aspirations, empowering them to make decisions that promote human flourishing in the marketplace and beyond. Students will graduate with both degrees, and courses in both programs can be taken simultaneously.