

M.S. IN DATA SCIENCE (DS.MS)

Code	Title	Credits
Requirements (42 credits)		
DS-501	Probability and Statistics for Data Science	3
DS-502	Introduction to Computer Programming for Data Science I	3
DS-503	Introduction to Computer Programming for Data Science II	3
DS-504	Database Management	3
DS-510	Experimental Design and Causal Inference	3
DS-515	Legal, Ethical and Privacy Issues in Data Science	1.5
DS-520	Data Analytics: Concepts and Techniques	3
CO-592	Interactive Storytelling with Data	3
DS-530	Big Data Analysis, Methodologies and Infrastructures	3
DS-535	Data Science Consulting	1.5
DS-650	Applications for Data Science	3
DS-655	Advanced Data Science Techniques	3
BM-620	Management Science and Business Analytics	3
Select DS-691/DS-692 or DS-695A/DS-695B		6
DS-691	Data Science Thesis I	
DS-692	Data Science Thesis II	
DS-695A	Practicum in Data Science	
DS-695B	Practicum in Data Science II	
Total Credits		42

Admission Requirements

1. Possession of a baccalaureate degree with a minimum 2.75 overall G.P.A. and a 3.0 G.P.A. Candidates should have earned an undergraduate degree in computer science, software engineering, information technology, information science, biology, mathematics, business administration or majored in a field that requires a substantial component of software development and/or business administration.
2. Students who have little programming experience will be evaluated on a case-by-case basis. They may be required to complete foundation courses before entering the master's program.