

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

Code	Title	Credits
Requirements (30 credits)		
DS-501	Probability and Statistics for Data Science	3
DS-502	Introduction to Computer Programming for Data Science I	3
DS-504	Database Management	3
DS-520	Data Analytics: Concepts and Techniques	3
DS-517	Ethics and Bias in AI	3
DS-530	Big Data Analysis, Methodologies and Infrastructures	3
DS-650	Applications for Data Science	3
DS-655	Advanced Data Science Techniques	3
Select DS-691/DS-692 or 6 credits of CISEL courses		6
DS-691	Data Science Thesis I	
DS-692	Data Science Thesis II	
Total Credits		30

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.