

MSDS Fall 2026 Courses

This is a Fall 2026 course list for the MS in DS program. The list covers the core courses and possible alternates. The students must consult with their concentration advisors to determine the course selections. Enrollment in non-DSC courses requires instructors' permission.

The notation in the "Note" column is as follows: Appl = Data Science Applications, DB = Databases, ML = Machine Learning, Pra = Practicum, Prog = Programming, Stat = Statistics, Vis = Visualization

Subj	Catalog	Title	Instructor	Time	Sect	Class	Note	Core
DSC	615	Intro Python Programming	Liang	MW 15:35-16:50	HI	4426	Prog	
	622	Intro Data Vis & Infographics	Cairto	MW 15:35-16:50	HI-ONL	1983	Vis	Yes
	645	Principles & Practice of AI	Pasupuleti	TR 15:30-16:45	S	4419	Appl	
	710	Data Science Project Design	Ogihara	–	01	4433	Pra	
	711	Data Science Capstone Project	Ogihara	–	01	4427	Pra	
	712	Internship	Ogihara	–	01	4421	Pra	
CSC	629	Intro Computer Graphics	Milenkovic	MWF 11:15-12:05	D	4408	Vis/Appl	
	640	Algorithm Design & Analysis	Chapman	MWF 13:25-14:15	F	4409	Tools	
	645	Intro AI	Visser	TR 14:00-15:15	R	4263	Tools	
	646	Intro ML with Applications	Liang	MWF 09:05-09:55	B	4425	ML	Yes
	649	Biomedical DS	Wuchty	TR 12:30-13:45	Q	4428	Appl	
ECE	653	Neural Networks	Chen	TR 15:30-16:45	S	4558	ML	
	730	Statistical Learning	Cai	MWF 14:30-15:20	G	4572	ML	
MTH	642	Statistical Analysis	Pestien	TR 17:05-18:20	T	5612	Stat	Yes
CIM	683	Physical Computing	Rodriguez	TR 09:30-10:45	O	1759	Vis	
EPS	703	Applied Multivariate Statistics	Ahn	F 08:00-10:45	7A	1372	Stat	
JMM	663	Intro Gen AI for Data Analysis	Bugera	M 17:05-19:50	1J	1979	Vis	
GEG	680	Spatial Data Analysis I	Sheskin	TR 11:00-12:15	P	4983	Appl	
	691	Geographical Info Systems I	Praharaj	R 17:05-19:50	5T	4984	Appl	
	691	Geographical Info Systems I	Zhu	MWF 11:15-12:05	D	4985	Appl	
	693	Geographical Info Systems II	Zhu	W 17:05-19:50	4J	4988	Appl	
BST	625	Survey Statistical Computing	Pan/Balise	MF 09:00-10:30	01	2622	Stat	
ISE	647	Simulation Modeling & System Analysis	Celik	TR 09:30-10:45	O	5161	Tools	