MSDS Spring Courses

This is a Spring 2027 course list for the MS in DS program. The list covers the core courses and possible alternates. Students must consult with their concentration advisors to determine 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 Prog	Chapman	MWF 14:30-15:20	G	6997	Prog	Yes
	622	Intro Infographics	Jin	MW 10:10-11:25	ONL	7014	Vis	Yes
	623	Database Syst DS	Aguiar-Pulido	TR 15:30-16:45	S	7018	DB	
	644	Princ & Practice DS	Ayala	MWF 13:25-14:15	F	6938	Appl	Yes
	710	Data Science Project Design	Ogihara	–	01	6945	Pra	Yes
	711	Data Science Capstone Project	Ogihara	–	01	6948	Pra	Yes
	712	Internship	Ogihara	–	01	6940	Pra	Yes
CSC	642	Stat. Learning Appl.	Aguiar-Pulido	TR 14:00-15:15	R	7909	Stat	
	646	Intro ML with Applic	Liang	MWF 09:05-09:55	B	6996	ML	Yes
	648	Prob Solving Bioinfo.	Wang	TR 11:00-12:15	P	6986	Appl	
	650	Comput. Neuroscience	Schwartz	TR 12:30-13:45	Q	9489	Appl	
	656	Topics CSC (TBD)	TBD	TR 15:30-16:45	S	6947	Appl	
	688	Topics CSC (Health DS)	Yesha	W 17:05-19:50	JK	6932	Appl	
ECE	648	Machine Learning	Cai	TR 15:30-16:45	S	4423	ML	
CIM	683	Physic Computing	Rodriguez	W 17:05-19:50	4J	5897	Vis	
EPS	702	Quantitative Methods II	Kara	T 12:30-15:15	PR	11775	Stat	
IST	616	Intro Appl Data Anal	Moghaddass	TR 11:00-12:15	P	4655	Appl	
JMM	629	Adv Infogr Data Vis	TBA	TR 17:05-18:20	T	5067	Vis	
GEG	616	Urban Anal Geovis	Praharaj	TR 15:30-16:45	S	4608	Appl	
	681	Spat Data Anal I	Roy	M 17:05-19:50	1J	4559	Appl	
	691	Geo Info Syst I	Praharaj	T 17:05-19:50	1T	4583	Appl	
	691	Geo Info Syst I	Zhu	MW 12:20-13:35	EF	4584	Appl	
	693	Geo Info Syst II	Zhu	MW 14:30-15:45	GH	4585	Appl	