



School of Graduate  
and Professional  
Education



# MS in Data Science

## Course Schedule

**ACADEMIC YEAR 2024–2025**

### FALL 2024-25 / September 23 (M) - December 21 (Sat) 2024

ITC 6008	SEARCH ENGINE AND WEB MINING	3 cr.	R	M	18:30-21:30
ITC 6001	INTRODUCTION TO BIG DATA	3 cr.	R	W	18:30-21:30
ITC 6109	MACHINE VISION IN DATA SCIENCE	3 cr.	R	TH	18:30- 21:30
ITC 6002-A1	EXPLORING AND ANALYSING DATA	3 cr.	R	T	18:30-21:30
ITC 6002-B1	EXPLORING AND ANALYSING DATA	3 cr.	R	T	18:30-21:30
ITC 6440	THESIS	3 cr.	R	N/A	N/A

### WINTER 2024-25 / January 13 (M) - April 12 (Sat) 2025/TENTATIVE

ITC 6103-A1	APPLIED MACHINE LEARNING	3 cr.	R	W	18:30-21:30
ITC 6103-B1	APPLIED MACHINE LEARNING	3 cr.	R	W	18:30-21:30
ITC 6004	DATA VISUALISATION	3 cr.	R	M	18:30-21:30
ITC 6001	INTRODUCTION TO BIG DATA	3 cr.	R	M	18:30-21:30
ITC 6107	BIG DATA ARCHITECTURES	3 cr.	E	T	18:30-21:30
ITC 6119	BUSINESS FORECASTING	3 cr.	E	TH	18:30-21:30
ITC 6230	DEEP LEARNING	3 cr.	E	TH	18:30-21:30
ITC 6440	THESIS	3 cr.	R	N/A	N/A

### SPRING 2024-25 / April 28 (M) - July 26 (Sat) 2025/TENTATIVE

ITC 6125	MACHINE LEARNING AND APPLICATIONS	3 cr.	E	T	18:30-21:30
ITC 6015	LEADERHIP AND STRATEGIC THINKING FOR SCIENTISTS	3 cr.	E	T	18:30-21:30
ITC 6110	NATURAL LANGUAGE PROCESSING	3 cr.	R	M	18:30-21:30
ITC XXXX	DATA ENGINEERING	3 cr.	E	TBA	18:30-21:30
ITC 6005	KNOWLEDGE GRAPHS	3 cr.	R	TH	18:30-21:30
ITC 6421-A1	CAPSTONE	3 cr.	R	W	18:30-21:30
ITC 6421-B1	CAPSTONE	3 cr.	R	W	18:30-21:30
ITC 6440	THESIS	3 cr.	R	N/A	N/A

\*\* THESIS duration: 2 terms or 26 weeks

R: Required

E: Elective