

1. Students need to complete at least 10 cu of level 3 and above courses in the minor.

MNDSC^MINOR CORE - 20 cu													
Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
DSM101 Mathematical Foundations for Data Science	5				Not offered to MTH-MAJ1 & MTHH-MAJ1 students. MTH-MAJ1 & MTHH-MAJ1 students will take an extra minor elective in place of DSM101.	Y	N	N	Y	N	Y		
DSM301 Fundamentals of Data Science	5	ICT133 or ANL252				Y	N	N	Y	N	Y		
ENG335 Machine Learning	5		ENG313		Labs will be conducted on weekends. Python programming	N	N	Y	N	Y	N		CRN01; Wed; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
MTH212 Statistical Analysis	5		MZS248 or MTH220			Y	N	Y	Y	Y	Y		CRN01; Thu; Week 2, 4, 6, 8, 10, 12 CRN02; Thu; Week 2, 4, 6, 8, 10, 12

MNDSC^MINOR ELECTIVE - 10 cu

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
ANL252 Python for Data Analytics	5		ANL251			Y	N	Y	Y	Y	Y		CRN01; Mon, Sat; Week 0, 3, 5, 7, 9, 11 CRN02; Mon, Sat; Week 0, 3, 5, 7, 9, 11 CRN03; Thu; Week 1, 3, 5, 7, 9, 11 CRN04; Thu; Week 1, 3, 5, 7, 9, 11
ANL303 Fundamentals of Data Mining	5				Non-Analytics students are strongly advised to complete BUS105 or a course that covers data analysis with the use of a statistical software before taking ANL303.	Y	N	Y	Y	Y	Y		CRN01; Tue; Week 1, 3, 5, 7, 9, 11 CRN02; Tue; Week 1, 3, 5, 7, 9, 11
BME363 Applications of Artificial Intelligence in Healthcare	5				All seminar sessions are conducted online (3 hrs per session).	N	N	Y	N	Y	N		CRN01; Tue; Week 1, 3, 5, 7, 9, 11
ENG235 Applications of AIoT	5		ENG233			Y	N	Y	Y	Y	Y		CRN01; Wed, Sat; Week 2, 4, 6, 8, 10, 12 CRN02; Wed, Sat; Week 2, 4, 6, 8, 10, 12

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan 26	May 26	Jul 26	Jan 27	Jul 27	Jan 28	Last Presentation	Time Table
ICT133 Structured Programming	5		ICT131 or ICT271		The course includes two runs on Thurs and Fri respectively. Excluded combination may be removed on a case by case basis.	Y	N	Y	Y	Y	Y		CRN01; Fri; Week 1, 3, 5, 7, 9, 11 CRN02; Thu; Week 1, 3, 5, 7, 9, 11 CRN03; Fri; Week 1, 3, 5, 7, 9, 11
ICT233 Data Programming	5	NIL	ICT203			Y	N	Y	Y	Y	Y		CRN01; Tue; Week 1, 3, 5, 7, 9, 11 CRN02; Tue; Week 1, 3, 5, 7, 9, 11
ICT302 Generative AI: Theory and Practice	5	ICT133				Y	N	N	Y	N	Y		
ICT330 Database Management Systems	5		ICT321		Can be taken with ICT340 in the same semester	Y	N	Y	Y	Y	Y		CRN01; Mon, Sat; Week 1, 3, 5, 7, 9, 11 CRN02; Mon, Sat; Week 1, 3, 5, 7, 9, 11
ICT337 Big Data Computing in the Cloud	5	Exposure to Distributed Computing and Python	ICT336		Need background knowledge of ICT335	N	N	Y	N	Y	N		CRN01; Tue; Week 2, 4, 6, 8, 10, 12 CRN02; Tue; Week 2, 4, 6, 8, 10, 12
ICT338 Information Security Challenges in Smart Computing	5	Foundation knowledge of computer security	ICT309			Y	N	N	Y	N	Y		
MKT371 Customer Insights and Analytics	5		MKT355			Y	N	N	Y	N	Y		

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jan	May	Jul	Jan	Jul	Jan	Last Presentation	Time Table
						26	26	26	27	27	28		
MTH357 Applied Regression Analysis I	5	BUS105 or HBC203 or MTH220 or MTH212	MTH307	MTH358		Y	N	N	Y	N	Y		
MTH358 Applied Regression Analysis II	5	MTH357	MTH308	MTH357		N	N	Y	N	Y	N		CRN01; Thu; Week 2, 4, 6, 8, 10, 12

- If the presentation status is 'Y' = the course is presenting in the semester, 'N' = the course is not presenting in the semester, 'RT' = the course has been retired and will not be presented again, 'RP' = the course has been replaced and will not be presented again.
- The information listed is subject to review and change.

Retired/Replaced List

Course	Credit Units	Status	Effective From Semester	Remarks
ANL201 Data Visualisation for Business	5	Retired	2025/07	
ANL305 Association and Clustering	5	Retired	2025/07	
ANL307 Predictive Modelling	5	Retired	2025/07	
BUS362 IT-Enabled Business Transformation	5	Retired	2025/07	
EAS401 Robotics Mechanics and Control	5	Retired	2024/01	
ENG233 Internet of Things (IoT)	5	Replaced	2026/01	Replaced by ENG235
FIN383 Financial Technologies and Innovations	5	Retired	2023/07	
FIN385 Blockchain Technology and Smart Contract for Finance	5	Retired	2025/07	
ICT162 Object Oriented Programming	5	Retired	2025/07	
ICT239 Web Application Development	5	Retired	2025/07	
ICT348 Information Security Offence Defence and Incident Management	5	Retired	2025/07	
MKT368 Digital Marketing	5	Retired	2025/07	
MTD366e Online Channel Creation & Management	5	Retired	2025/07	
MTD369 Virtual Reality and Augmented Reality	5	Retired	2025/07	
MTH207 Linear Algebra	5	Retired	2025/07	
MTH220 Statistical Methods and Inference	5	Replaced	2025/01	Replaced by MTH212
MTH353 Basic Statistical Methods in Experimental Design	5	Retired	2025/07	
MTH354 Advanced Statistical Methods in Experimental Design	5	Retired	2025/07	

MTH355 Basic Mathematical Optimisation	5	Retired	2025/07	
MTH356 Advanced Mathematical Optimisation	5	Retired	2025/07	