

1. Students need to complete at least 10 cu of level 3 and above courses in the minor.
2. To be admitted into the minor, interested students need to complete (a) ICT133 Structured Programming, (b) Introduction to Python course in Datacamp, or (c) Python course in Kaggle, and submit evidence of course completion.

MINOR CORE - 20 cu													
Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ANL201	Data Visualisation for Business	5	Y	N	Y	N	2028/07	CRN01-THURSDAY WEEK 1 CRN02-THURSDAY WEEK 1	ANL101 or BUS105 or MTH220	ANL315		Please note that the attempt period for the Pre-Course Quiz will start before this course commences . Students who fail to attain at least 60% for the Pre-Course Quiz will be deemed to have withdrawn from the course.	NON-LAB

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ANL303	Fundamentals of Data Mining	5	Y	Y	Y	Y	2028/07	CRN01-TUESDAY WEEK 1 CRN02-TUESDAY WEEK 1				Non BSBA students strongly advised to have taken BUS105 or equivalent. Please note that the attempt period for the Pre-Course Quiz will start before this course commences.	NON-LAB
DSM101	Mathematical Foundations for Data Science	5	Y	N	Y	N	2026/07	CRN01-FRIDAY WEEK 1	NIL			Not offered to MTH-MAJ1 & MTHH-MAJ1 students. MTH-MAJ1 & MTHH-MAJ1 students will take an extra minor elective in place of DSM101.	NON-LAB
ENG335	Machine Learning	5	N	Y	N	Y	2027/07	CRN01-WEDNESDAY WEEK 1		ENG313		Labs will be conducted on weekends. Python programming	LAB

MINOR ELECTIVE - 10 cu

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ANL305	Association and Clustering	5	N	Y	N	Y	2028/07	CRN01-TUESDAY WEEK 2 CRN02-TUESDAY WEEK 2	ANL303			ANL305e can be taken in the same semester as ANL303e.	NON-LAB
ANL307	Predictive Modelling	5	Y	N	Y	N	2028/07	CRN01-WEDNESDAY WEEK 2 CRN02-WEDNESDAY WEEK 2	ANL303			Must have taken and passed ANL303e first. Please note that the attempt period for the Pre-Course Quiz will start before this course commences . Students who fail to attain at least 60% for the Pre-Course Quiz will be deemed to have withdrawn from the course.	NON-LAB
BME363e	Applications of Artificial Intelligence in Healthcare	5	N	Y	N	Y	2026/07	CRN01-TUESDAY WEEK 1	Nil	Nil	Nil	Fully online course with 2 hrs virtual office hours weekly	NON-LAB

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
BUS362	IT-Enabled Business Transformation	5	Y	Y	Y	Y	2028/07	CRN01-THURSDAY WEEK 1 CRN02-THURSDAY WEEK 1 CRN03-THURSDAY WEEK 1		BUS361			NON-LAB
EAS401	Robotics Mechanics and Control	5	N	Y	N	Y	2027/07	CRN01-THURSDAY WEEK 1	MTH316				LAB
ENG233	Internet of Things (IoT)	5	Y	Y	Y	Y	2027/07	CRN01-WEDNESDAY WEEK 2		ENG303		Labs will be conducted on weekends. Complete ICT133 and ICT162	LAB
FIN385	Blockchain Technology and Smart Contract for Finance	5	Y	N	Y	N	2028/07	CRN01-THURSDAY WEEK 2 CRN02-FRIDAY WEEK 2					NON-LAB
ICT162	Object Oriented Programming	5	Y	Y	Y	Y	2028/07	CRN01-FRIDAY WEEK 2 CRN02-THURSDAY WEEK 2 CRN03-FRIDAY WEEK 2		ICT201 or ICT272		The course includes two runs on Thurs and Fri respectively. Excluded combination may be removed on a case by case basis.	LAB
ICT233	Data Programming	5	Y	Y	Y	Y	2026/07	CRN01-TUESDAY WEEK 1 CRN02-TUESDAY WEEK 1	NIL	ICT203			LAB

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ICT239	Web Application Development	5	Y	Y	Y	Y	2027/07	CRN01-TUESDAY WEEK 2 CRN02-TUESDAY WEEK 2	ICT162	ICT205			LAB
ICT330	Database Management Systems	5	Y	Y	Y	Y	2024/07	CRN01-MONDAY WEEK 1 CRN02-MONDAY WEEK 1		ICT321		Can be taken with ICT340 in the same semester	LAB
ICT337	Big Data Computing in the Cloud	5	N	Y	N	Y	2024/07	CRN01-TUESDAY WEEK 2 CRN02-TUESDAY WEEK 2	Exposure to Distributed Computing and Python	ICT336		Need background knowledge of ICT335	LAB
ICT338e	Information Security Challenges in Smart Computing	5	N	Y	N	Y	2025/07	CRN01-TUESDAY WEEK 2	Foundation knowledge of computer security	ICT309			LAB
ICT348	Information Security Offence Defence and Incident Management	5	Y	Y	Y	Y	2027/07	CRN01-WEDNESDAY WEEK 2 CRN02-WEDNESDAY WEEK 2	ICT318	ICT212			LAB
MKT368	Digital Marketing	5	N	Y	N	Y	2028/07	CRN01-WEDNESDAY WEEK 1 CRN02-WEDNESDAY WEEK 1		MKT360			NON-LAB
MKT371	Customer Insights and Analytics	5	Y	N	Y	N	2028/07	CRN01-TUESDAY WEEK 1 CRN02-TUESDAY WEEK 1		MKT355			NON-LAB
MTD366e	Online Channel Creation & Management	5	Y	N	Y	N	2028/07	CRN01-TUESDAY WEEK 2					NON-LAB

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
MTD369	Virtual Reality and Augmented Reality	5	Y	N	Y	N	2027/07	CRN01-MONDAY WEEK 2				MTD369 is a level 3 course with coding, students are highly recommended to have basic programming experience before commencing on this course.	LAB
MTH207	Linear Algebra	5	N	Y	N	Y	2028/07	CRN01-WEDNESDAY WEEK 1 CRN02-WEDNESDAY WEEK 1	NIL	MZS2032			NON-LAB
MTH353	Basic Statistical Methods in Experimental Design	5	N	Y	N	Y	2028/07	CRN01-MONDAY WEEK 1	BUS105 or HBC203 or MTH220	MTH315	MTH354		NON-LAB
MTH354	Advanced Statistical Methods in Experimental Design	5	N	N	Y	N	2028/07	CRN01-MONDAY WEEK 2	MTH353	MTH317	MTH353		NON-LAB
MTH355	Basic Mathematical Optimization	5	Y	N	Y	N	2028/07	CRN01-TUESDAY WEEK 1 CRN02-TUESDAY WEEK 1	MTH207 or MTH211 or MTH319	MTH310	MTH356		NON-LAB
MTH356	Advanced Mathematical Optimization	5	Y	Y	N	Y	2028/07	CRN01-TUESDAY WEEK 2	DSM101 or MTH211 or MTH316	MTH309	MTH355		NON-LAB

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
MTH357	Applied Regression Analysis I	5	Y	N	Y	N	2028/07	CRN01-THURSDAY WEEK 1	BUS105 or HBC203 or MTH220	MTH307	MTH358		NON-LAB
MTH358	Applied Regression Analysis II	5	Y	Y	N	Y	2028/07	CRN01-THURSDAY WEEK 2	MTH357	MTH308	MTH357		NON-LAB

* Students will be required to attend classes on day of presentation as well as on weekends or all classes may be on weekends.

Retired/Replaced List

Code	Name	Credit Units	Status	Effective From Semester	Remarks
FIN383	Financial Technologies and Innovations	5	Retired	2023/07	