

1. To meet the requirements for the Minor in Data Science, students need to complete at least 10 cu of level 3 or above courses.

COMPULSORY - 20 cu													
Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jul 26	Jan 27	May 27	Jul 27	Jan 28	Jul 28	Last Presentation	Time Table
DSM101 Mathematical Foundations for Data Science	5				Not offered to BSMA & BSHMA students	N	Y	N	N	Y	N		CRN01; Fri, Sat; Week 1, 3, 5, 7, 8, 9, 10, 12
DSM301 Fundamentals of Data Science	5	ICT133 or ANL252				N	Y	N	N	Y	N		CRN01; Tue; Week 2, 4, 6, 8, 10, 12
ENG335 Machine Learning	5		ENG313		Labs will be conducted on weekends. Python programming	Y	Y	N	Y	Y	Y		CRN01; Wed, Sat; Week 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12
MTH212 Statistical Analysis	5		MZS248 or MTH220			Y	Y	N	Y	Y	Y		CRN01; Thu; Week 2, 3, 4, 6, 8, 10, 12 CRN02; Thu; Week 2, 3, 4, 6, 8, 10, 12

ELECTIVE - 10 cu													
Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jul 26	Jan 27	May 27	Jul 27	Jan 28	Jul 28	Last Presentation	Time Table
ANL252 Python for Data Analytics	5		ANL251			Y	Y	N	Y	Y	Y		CRN01; Mon, Sat; Week 1, 3, 5, 7, 9, 11 CRN02; Mon, Sat; Week 1, 3, 5, 7, 9, 11 CRN03; Thu; Week 1, 3, 5, 7, 9, 11 CRN04; Thu; Week 1, 3, 5, 7, 9, 11
ANL304 Foundations of Data Analytics	5		ANL303		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 ANL304.	N	Y	N	Y	Y	Y		CRN01; Tue; Week 2, 4, 6, 8, 10, 12 CRN02; Tue; Week 2, 4, 6, 8, 10, 12
BME363 Applications of Artificial Intelligence in Healthcare	5				All seminar sessions are conducted online (3 hrs per session).	Y	N	N	Y	N	Y		
ENG235 Applications of AIoT	5		ENG233			Y	Y	N	Y	Y	Y		CRN01; Wed, Sat; Week 2, 3, 4, 6, 8, 10, 12 CRN02; Wed, Sat; Week 2, 3, 4, 6, 8, 10, 12

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jul 26	Jan 27	May 27	Jul 27	Jan 28	Jul 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	Y	N	Y	Y	Y		CRN01; Fri, Sat; Week 1, 3, 5, 7, 9, 10, 14 CRN02; Thu; Week 1, 3, 5, 7, 9, 11, 14 CRN03; Fri, Sat; Week 1, 3, 5, 7, 9, 10, 14
ICT233 Data Programming	5	ICT133	ICT203			Y	Y	N	Y	Y	Y		CRN01; Tue; Week 1, 3, 5, 7, 9, 11, 14 CRN02; Tue; Week 1, 3, 5, 7, 9, 11, 14
ICT302 Generative AI: Theory and Practice	5	ICT133				N	Y	N	N	Y	N		CRN01; Fri, Sat; Week 1, 2, 3, 5, 6, 7, 8, 9, 10, 12
ICT330 Database Management Systems	5		ICT321		Can be taken with ICT340 in the same semester	Y	Y	N	Y	Y	Y		CRN01; Mon, Sat; Week 1, 3, 5, 7, 9, 11, 16, 17 CRN02; Mon, Sat; Week 1, 3, 5, 7, 9, 11, 16, 17
ICT337 Big Data Computing in the Cloud	5	Exposure to Distributed Computing and Python	ICT336		Need background knowledge of ICT335	Y	N	N	Y	N	Y		
ICT338 Information Security Challenges in Smart Computing	5	Foundation knowledge of computer security	ICT309			N	Y	N	N	Y	N		CRN01; Sun, Tue; Week 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12

Course	Credit Units	Pre-requisite	Excluded Combination	Grouping	Remarks	Jul 26	Jan 27	May 27	Jul 27	Jan 28	Jul 28	Last Presentation	Time Table
MKT371 Customer Insights and Analytics	5		MKT355			N	Y	N	N	Y	N		CRN01; Tue; Week 2, 4, 6, 8, 10, 12 CRN02; Tue; Week 2, 4, 6, 8, 10, 12 CRN03; Wed; Week 2, 4, 6, 8, 10, 12
MTH357 Applied Regression Analysis I	5	BUS105 or HBC203 or MTH220 or MTH212	MTH307	MTH358		N	Y	N	N	Y	N		CRN01; Thu; Week 1, 2, 3, 5, 7, 9, 11
MTH358 Applied Regression Analysis II	5	MTH357	MTH308	MTH357		Y	N	N	Y	N	Y		

- 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
ANL303 Fundamentals of Data Mining	5	Replaced	2027/01	Replaced by ANL304