

The objective of the programme is to address the growing need for professionals with the necessary cloud skills, and prepare students to be industry-ready for professional careers in cloud computing. The proposed 40CUs Certificate/Minor in Cloud Computing is comprised of 30CUs of Compulsory courses, and 10CUs of Elective courses.

MINOR CORE - 30													
Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ICT114	Computer Architecture	5	Y	Y	Y	Y	2024/07	CRN01-WEDNESDAY WEEK 1 CRN02-WEDNESDAY WEEK 1		ICT121			LAB
ICT246	Operating Systems	5	Y	Y	Y	Y	2025/07	CRN01-MONDAY WEEK 1 CRN02-MONDAY WEEK 1		ICT209		Can be taken with ICT259 in the same semester	LAB
ICT263	AWS Certified Cloud Practitioner	5	Y	Y	Y	Y	2027/07	CRN01-WEDNESDAY WEEK 1					LAB
ICT365	AWS Certified Developer - Associate	5	Y	Y	Y	Y	2027/07	CRN01-WEDNESDAY WEEK 2	ICT263				LAB
ICT366	AWS Certified Solutions Architect - Associate	5	Y	Y	Y	Y	2028/07	CRN01-FRIDAY WEEK 1	ICT263				LAB
ICT367	AWS Certified SysOps Administrator - Associate	5	Y	Y	Y	Y	2027/07	CRN01-FRIDAY WEEK 2	ICT263				LAB

MINOR ELECTIVE - 10

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ACC201	Financial Accounting	5	Y	Y	Y	Y	2028/07	CRN01-FRIDAY WEEK 1 CRN02-FRIDAY WEEK 1		BFSZ231 or BFSZ333 or CUL207 or ACZ201, ACC202			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
EAS401	Robotics Mechanics and Control	5	N	Y	N	Y	2027/07	CRN01-THURSDAY WEEK 1	ICT162 and (MTH211 or 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
ENG335	Machine Learning	5	N	Y	N	Y	2027/07	CRN01-WEDNESDAY WEEK 1		ENG313		Labs will be conducted on weekends. Python programming	LAB
ICT233	Data Programming	5	Y	Y	Y	Y	2026/07	CRN01-TUESDAY WEEK 1 CRN02-TUESDAY WEEK 1	ICT133	ICT203			LAB

Code	Name	Credit Units	Jan 23	Jul 23	Jan 24	Jul 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ICT259	Computer Networking	5	Y	Y	Y	Y	2024/07	CRN01-MONDAY WEEK 2 CRN02-MONDAY WEEK 2		ICT210		Can be taken with ICT246 in the same semester	LAB
ICT318	Network Security	5	Y	Y	Y	Y	2024/07	CRN01-WEDNESDAY WEEK 1 CRN02-WEDNESDAY WEEK 1	ICT246 & ICT259	ICT211			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
ICT335	Cloud Computing: Business Case and Technical Models	5	Y	Y	Y	Y	2024/07	CRN01-TUESDAY WEEK 1 CRN02-TUESDAY WEEK 1				Can take with ICT337 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
ICT341	Web Informatics Programming	5	Y	N	Y	N	2026/07	CRN01-THURSDAY WEEK 1	ICT233 & ICT239	ICT333			LAB
ICT368	AWS Academy Data Analytics and Machine Learning Foundation	5	Y	Y	Y	Y	2027/07	CRN01-FRIDAY WEEK 2	ICT263, ICT133				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

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