

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	Jul 22	Jan 23	Jul 23	Jan 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ICT114	<a href="#">Computer Architecture</a>	5	Y	Y	Y	Y	2024/07	RUN01-WEDNESDAY TERM 1 WEEK 1 Every Week RUN02-WEDNESDAY TERM 1 WEEK 1 Every Week		ICT121			LAB
ICT246	<a href="#">Operating Systems</a>	5	Y	Y	Y	Y	2025/07	MONDAY TERM 1 WEEK 2 Every Week		ICT209		Can be taken with ICT259 in the same semester	LAB
ICT263	<a href="#">AWS Certified Cloud Practitioner</a>	5	Y	Y	Y	Y	2027/07	WEDNESDAY TERM 1 WEEK 1 Every Week					LAB
ICT365	<a href="#">AWS Certified Developer - Associate</a>	5	Y	Y	Y	Y	2027/07	WEDNESDAY TERM 2 WEEK 1 Every Week	ICT263				LAB
ICT366	<a href="#">AWS Certified Solutions Architect - Associate</a>	5	Y	Y	Y	Y	2027/07	FRIDAY TERM 1 WEEK 1 Every Week	ICT263				LAB
ICT367	<a href="#">AWS Certified SysOps Administrator - Associate</a>	5	Y	Y	Y	Y	2027/07	FRIDAY TERM 2 WEEK 1 Every Week	ICT263				LAB

MINOR ELECTIVE - 10

Code	Name	Credit Units	Jul 22	Jan 23	Jul 23	Jan 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ACC201e	<a href="#">Financial Accounting</a>	5	Y	Y	Y	Y	2024/07	RUN01-FRIDAY TERM 1 WEEK 1 Every Week RUN02-FRIDAY TERM 1 WEEK 1 Every Week		BFSZ231 or BFSZ333 or CUL207 or ACZ201, ACC202		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 Students who fail to attain at least 60% for the Pre-Course Quiz will be deemed to have withdrawn from the course.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	<a href="#">Applications of Artificial Intelligence in Healthcare</a>	5	Y	N	Y	N	2026/07	TUESDAY TERM 2 WEEK 1 Every Week	Nil	Nil	Nil	Fully online course with 2 hrs virtual office hours weekly	NON-LAB
EAS401	<a href="#">Robotics Mechanics and Control</a>	5	Y	N	Y	N	2027/07	THURSDAY WEEK 1 Every Week	ICT162 and (MTH211 or MTH316)				LAB

Code	Name	Credit Units	Jul 22	Jan 23	Jul 23	Jan 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ENG233	<a href="#">Internet of Things (IoT)</a>	5	Y	Y	Y	Y	2027/07	RUN01-WEDNESDAY WEEK 2 Alternate Week RUN02-WEDNESDAY WEEK 2 Alternate Week		ENG303		Labs will be conducted on weekends. Complete ICT133 and ICT162	LAB
ENG335	<a href="#">Machine Learning</a>	5	Y	N	Y	N	2027/07	RUN01-WEDNESDAY WEEK 2 Alternate Week RUN02-WEDNESDAY WEEK 2 Alternate Week		ENG313		Labs will be conducted on weekends. Python programming	LAB
ICT233	<a href="#">Data Programming</a>	5	Y	Y	Y	Y	2026/07	TUESDAY TERM 1 WEEK 2 Every Week	ICT133	ICT203			LAB
ICT259	<a href="#">Computer Networking</a>	5	Y	Y	Y	Y	2024/07	MONDAY TERM 2 WEEK 2 Every Week		ICT210		Can be taken with ICT246 in the same semester	LAB
ICT318	<a href="#">Network Security</a>	5	Y	Y	Y	Y	2024/07	WEDNESDAY TERM 1 WEEK 1 Every Week	ICT246 & ICT259	ICT211			LAB
ICT330	<a href="#">Database Management Systems</a>	5	Y	Y	Y	Y	2024/07	MONDAY TERM 1 WEEK 1 Every Week		ICT321		Can be taken with ICT340 in the same semester	LAB
ICT335	<a href="#">Cloud Computing: Business Case and Technical Models</a>	5	Y	Y	Y	Y	2024/07	TUESDAY TERM 1 WEEK 1 Every Week				Can take with ICT337 in the same semester	LAB

Code	Name	Credit Units	Jul 22	Jan 23	Jul 23	Jan 24	Last Presentation	Time Table	Pre-requisite	Excluded Combination	Grouping	Remarks	Lab*
ICT337	<a href="#">Big Data Computing in the Cloud</a>	5	Y	N	Y	N	2024/07	TUESDAY TERM 2 WEEK 1 Every Week	Exposure to Distributed Computing and Python	ICT336		Need background knowledge of ICT335	LAB
ICT338e	<a href="#">Information Security Challenges in Smart Computing</a>	5	Y	N	Y	N	2025/07	TUESDAY TERM 2 WEEK 1 Every Week	Foundation knowledge of computer security	ICT309			LAB
ICT341	<a href="#">Web Informatics Programming</a>	5	N	Y	N	Y	2026/07	THURSDAY TERM 1 WEEK 2	ICT233 & ICT239	ICT333			LAB
ICT368	<a href="#">AWS Academy Data Analytics and Machine Learning Foundation</a>	5	Y	Y	Y	Y	2027/07	FRIDAY TERM 2 WEEK 1 Every Week	ICT263, ICT133				LAB
MTD369	<a href="#">Virtual Reality and Augmented Reality</a>	5	N	Y	N	Y	2027/07	RUN01-MONDAY TERM 2 WEEK 1 Every Week RUN02-MONDAY TERM 2 WEEK 1 Every Week				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.

