

Pathway to the BAAC



Computer Systems Technician – Networking (CSTN) to
Bachelor of Applied Computing

A pathway to the BAAC is also available to eligible CETN graduates, but learning plans may vary. Contact the BAAC program coordinator for more information.

Second Year		
SEMESTER 3		CREDITS
CMP3321	Web Development I	3
CMP2312	Object Oriented Programming	3
MTH2302	Applied Mathematics	3
MTH3301	Statistics	3
CMP3351	Data Structures and Algorithms	3
ANA3301	Intro to Data Analysis	3
Credits		18

SEMESTER 4		
CMP2331	Intro to Software Engineering	3
CMP4322	Web Development II	3
AIE4301	Intro to Artificial Intelligence	3
NET2312	IoT Fundamentals	3
CMP6362	Business Essentials	3
CMP4301	Computer Systems Architecture	3
One Degree Breadth Elective Course		3
Credits		21

Third Year		
SEMESTER 5		CREDITS
CMP5371	Project Proposal	3
CMP3332	System Analysis and Design	3
One Degree Breadth Elective Course		3
3 Stream Elective courses		9
Credits		18

SEMESTER 6		
CMP6372	Project Implementation	3
CMP4333	Modern Software Testing	3
4 Stream Elective courses		12
Credits		18

SEMESTER 7		
SUMMER INTERNSHIP SEMESTER.		
CMP7373	Applied Comp Internship	12

Credits	12
---------	----

stream Electives for Artificial Intelligence stream (BAAI)

SEMESTER 5		CREDITS
AIE1005	Full Stack Data Science	3
AIE1009	Machine Learning	3
AIE1006	Deep Learning	3
SEMESTER 6		
AIE1017	Gen AI and Large Language Models	3
AIE1018	AI Deployment and MLOps	3
AIE1030	Autonomous AI Systems	3
AIE1011	AI Ethics	3

Stream Electives for Cybersecurity stream (BACS)

SEMESTER 5		CREDITS
CSC7304	Business Contingency Planning	3
CSC7303	Network Defense	3
CSC7305	CSEC Policies and Compliance	3
SEMESTER 6		
CSC7311	Ethical Hacking	3
CSC7314	Cloud Security and Prevention	3
CSC7310	IT Security Forensics	3
CSC7315	Security Operations Centre	3

Stream Electives for Data Analytics stream (BADA)

SEMESTER 5		CREDITS
ANA7303	Data Collection and Ethics	3
AIE1009	Machine Learning	3
ANA7312	GIS and Data Visualization	3
SEMESTER 6		
QMM7311	Advanced Stats for Analytics	3
ANA7304	Dashboards and Data Modelling	3
ANA7311	Storytelling With Data	3
MKT7300	Data Mining and Mkt Analytics	3