

6. CURRICULUM MAP

Alignment of Subjects with Programme Intended Learning Outcomes:

	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
A. GENERAL UNIVERSITY REQUIREMENTS (GUR)										
Cluster-Area Requirements (CAR) (2 Subjects)										
CAR - Cluster-Area Requirement Subjects+							T,P	T,P		T,P
Other Requirements										
SL - Service-Learning						T,P		T,P		
B. DISCIPLINE-SPECIFIC REQUIREMENTS (DSR)										
Compulsory - Mathematics and Science Subjects										
AMA3100 Number, Combinatorics, and Statistics	T,P,M	T,P,M						P		
Compulsory - Computer Science and Engineering Subjects										
COMP3222 Software Design Principles						T,P		P		T
COMP3334 Computer Systems Security		T,P,M	T,P,M						T	T,P
COMP3335 Database Security			T,P,M	T,P,M		T,P			T	
COMP4442 Service and Cloud Computing		T,P,M	T,P,M		T,P,M					
EIE3117 Integrated Project		T,P	T,P	T,P	T	T,M		T,P	T,P	T,M
EIE3120 Network Technologies and Security	T,P	T,P	T,P	T,P,M	T,P,M			T	T	T
EIE3333 Data and Computer Communications	T	T,P	T					T		
EIE3343 Computer Systems Principles		P	T							T
EIE4113 Wireless and Mobile Systems			T		T,P				T,M	
Compulsory - Capstone Project (Select Any 1)										
COMP4913 Capstone Project	P,M	P,M	P,M	P,M	P,M			P,M	P,M	P,M
EIE4117 Capstone Project	P,M	P,M	P,M	P,M	P,M			P,M	P,M	P,M
Compulsory - Complementary Subjects										
CBS3241P Professional Communication in Chinese								T,P,M		
COMP3512 Legal Aspects, Professionalism and Ethics of Computing							T,P,M	P,M		T,P,M
ELC3521 Professional Communication in English								T,P,M		
Compulsory – Training through Work Experience										
EIE3189 Summer Internship				P,M		P,M	P,M	P,M	P,M	
Elective - Computer Science and Engineering Subjects (Select Any 4)										
COMP4127 Information Systems Audit and Control				T,P,M	T,P,M	T,P	T,P,M		T,P	
COMP4134 Biometrics and Security	T,P,M	T,P,M			T,P,M	T,P,M		P	T	
COMP4435 Dependable Computing			T,P,M	T,P,M					T,P	
COMP4512 Intellectual Property Protection and Management					T,P,M		T,P,M		T,M	T,P
EIE4114 Digital Forensics for Crime Investigation			T,M					T,P,M	T	

	Programme Outcomes									
	1	2	3	4	5	6	7	8	9	10
EIE4115 Intrusion Detection and Prevention			T,P		T,M			T	T	
EIE4116 Surveillance Studies and Technologies	T,M	T			T,P		T		T	

Note:

Programme Outcomes:

1. Apply knowledge of mathematics and science appropriate to the discipline of Information Security.
2. Apply knowledge of Information Security to the abstraction and conceptualisation of Information and Communications Technology (ICT) models.
3. Analyse an Information Security problem, and identify and define the requirements appropriate to its solution.
4. Design, implement, and evaluate an Information Security system, process, component, or program to meet desired needs with appropriate consideration for public health and safety, social and environmental considerations.
5. Use current techniques, skills, and tools necessary for the practices in Information Security with an understanding of the limitations.
6. Function effectively on teams to accomplish a common goal.
7. Have an understanding of professional, ethical, legal, security and social issues and responsibilities.
8. Communicate effectively with a range of audiences.
9. Analyse the local and global impact of Information Security on individuals, organisations, and society.
10. Recognise the need for and engage in continuing professional development.

T: Teach

P: Practise

M: Measured

+: Support of outcomes depends on particular project/subject design and requirements