

Bachelor of Applied Science (Computer Science & Computer Technology)

Year (3)

Year 3 program focuses on hardware aspects of computer technology. Computer electronics circuit boards operation principles are emphasized. Basic electrical principle, analogue and digital electronics principle together with academic subjects of mathematics, physics, material science and management are contained in the program.

Unit	Topics	Reference	Points
ICT 301	General Electrical Knowledge	EE101	3
ICT 302	Digital Electronics	EE209/H012	3
ICT 303	Amplifier	EE208/H013	3
ICT 304	Material Science	E081	3
EE204	Physics	E046	3
EE201	Mathematics 1	E050	3
EE202	Mathematics 2	E026	3
EE306	Basic Control	I008	3
BAE605	Management		3
BAE408	Analog & Digital Electronics		3
		TOTAL	30

Year (4)

Year 4 program focuses on advanced programming, website development and computer network subjects. Computerised communication technology is included as Telecommunication System., As this stage is a final year of 4 years programs in Computer Science, Computer Technology & information Technology, students' self study subjects in programming, website and computer networking subjects are arranged for the students to prepare their final stage projects.

Unit	Topics	Reference	Points
ICT 401	Advanced Mathematics 1	BAE401	3
ICT 402	Advanced Mathematics 2	BAE402	3
BAE604	Telecommunication System		3
BAE508	Project Management		3
ICT 305	Professional Programming (1) C#		3
ICT 403	Professional Programming (2) Object Oriented		3
ICT 404	Professional Programming (3) Java		3
ICT 405	Professional Practice (1) Network		3
ICT 406	Professional Practice (2) Website		3
ICT 407	Artificial Intelligence		3
		TOTAL	30

