SRI LANKA TELECOM TRAINING CENTRE - WELISARA

Programme Specification Summary

BEng Honours in Electrical and Electronic Engineering Degree

Awarding Institution/Body	University of Hertfordshire
Teaching Institution	Sri Lanka Telecom Training Centre
University/partner campuses	Sri Lanka Telecom Training Centre - Welisara
Final Award	BEng Honours
All Final Award titles	Electrical and Electronic Engineering = EE Electronics and Communication Engineering = ECME Electronics and Computer Engineering = ECE
Mode of study	Full Time: 3 years
Module Structure	Level 4 Level 5 Level 6

Level 4

c = compulsory module

Module Title	Module Code	Award			Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semester	Year of Study
		EE	ECME	ECE							Full Time Mode
Career Skills Development	4FTC1178	c	c	c	0	English	-	100	-	AB	1
Engineering Mathematics	4FTC1179	c	c	c	15	English	80	20	-	A	1
Introduction to Electronic Systems	4FTC1421	c	c	c	15	English	-	100	-	A	1
Sustainable Business of Electronics	4FTC1181	c	c	c	15	English	-	100	-	A	1
Digital Electronics & Computer Organisation	4FTC1182	c	c	c	15	English	80	20	-	A	1
Engineering Applications of Mathematics	4FTC1183	c	c	c	15	English	-	100	-	B	1
Electrical and Electronic Theory	4FTC1184	c	c	c	15	English	80	20	-	B	1
Electronic Engineering Practice	4FTC1185	c	c	c	15	English	-	100	-	B	1
Computer Programming for Electronics Engineers	4FTC1186	c	c	c	15	English	-	100	-	B	1
Introduction to Practical Safety for Engineers	4FTC1422	c	c	c	0	English	-	100	-	AB	1

Progression to level 5 requires a minimum of 90 credits to remain on the honours award.
Progression to non -honours level 5 with 75 credits may be permissible. The maximum study rate in such an instance would normally be 120 credits but students would be expected to remedy any failed modules from level 4 in the first instance.

Level 5

c = compulsory module

Module Title	Module Code	Award			Credit Points	Language of Delivery	% Examination	% Coursework	% Practical	Semester	Year of Study
		EE	ECME	ECE							Full Time Mode
Further Engineering Mathematics	5FTC1210	c	c	c	15	English	70	30	-	A	2
Digital Design & Embedded Systems	5FTC1211	c	c	c	15	English	70	30	-	A	2
Real-time Systems & Programming	5FTC1212	c	c	c	15	English	-	100	-	B	2
Electronic Communication Systems	5FTC1442	c	c	c	15	English	70	30	-	A	2
Project Management & Product Development	5FTC1439	c	c	c	15	English	70	30	-	B	2
Electrical Engineering & Power Control	5FTC1215	c	c	c	15	English	70	30	-	A	2
Mechatronic Systems Modelling & Control	5FTC1266	c	c	c	15	English	-	100	-	B	2
Mini Projects (Electrical)	5FTC1217	c	-	-	15	English	-	100	-	B	2
Mini Projects (Communications)	5FTC1218	-	c	-	15	English	-	100	-	B	2
Mini Projects (Computer Engineering)	5FTC1219	-	-	c	15	English	-	100	-	B	2
Career Planning	5FTC1220	c	c	c	0	English	-	100	-	AB	2
Foundations of Safety	5FTC1441	c	c	c	0	English	-	100	-	AB	2

Progression to level 6 requires a minimum of 210 credits to remain on the Honours award.
Progression to non honours level 6 with 180 credits may be permissible. The maximum study rate in such an instance would normally be 120 credits but students would be expected to remedy any failed modules from level 5 in the first instance

Level 6

c = compulsory module

Module Title	Module C	EE	ECME	ECE	Credit P	Languag Delive	% Examin	% Course	% Prac	Semes	Full Time Mode
Careers Portfolio	6FTC1154	c	c	c	0	English	-	100	-	A	4
Microelectronics & VLSI	6FTC1155	c	c	c	15	English	60	40	-	A	4
Digital Signal Processing	6FTC1156	c	c	c	15	English	60	40	-	A	4
Power Systems	6FTC1358	c	-	-	15	English	60	40	-	A	4
Mobile & Digital Communication Networks	6FTC1158	-	c	c	15	English	60	40	-	B	4
Intelligent Systems and Robotics	6FTC1159	c	-	c	15	English	60	40	-	B	4
Advanced Power Conversion and Control	6FTC1160	c	-	-	15	English	60	40	-	B	4
Optical Communication Systems	6FTC1161	-	c	-	15	English	60	40	-	A	4
Satellite &Terrestrial Communication Systems	6FTC1162	-	c	-	15	English	-	100	-	B	4
Computer Architecture	6FTC1163	-	-	c	15	English	60	40	-	B	4
Operating Systems Principles and Design	6FTC1362	-	-	c	15	English	60	40	-	A	4
Telecommunication Systems	6FTC1165	c	c	-	15	English	60	40	-	B	4
BEng Individual Project (Electrical)	6FTC1361	c	c	c	30	English	-	100	-	AB	4
Health and Safety as an Engineering Professional	6FTC1360	c	c	c	0	English	-	100	-	AB	4

The award of an Honours degree requires 360 credit points passed with a minimum of at least 120 at level six including the Individual Project.

Final Awards

Final Award	Award Title	Minimum requirements	Available at end of Level
BEng (Hons) in the named award.	Electrical and Electronic Engineering Electronics and Communication Engineering Electronics and Computer Engineering	360 credit points including 240 at level 6/5 of which 120 must be at level 6. Compliance with IET compensation requirements.	6

Interim Awards

Interim Award	Award Title	Minimum requirements	Available at end of Level
University Certificate		45 credit points at level 4	4
Certificate of Higher Education		120 credit points at level 4	4, 5
Diploma of Higher Education		240 credit points including at least 120 at level 5	5, 6
BEng (Hons) in the named award	Electrical and Electronic Engineering; Electronics and Communication Engineering; Electronics and Computer Engineering	360 credit points including 240 at level 6/5 of which 120 must be at level. 6 For students entering directly at level 6 only, 75 UH specified credits must be at level 6 excluding the individual major project (*). (Minimum IET compensation requirements have not been achieved).	6

Notes:
(*) in accordance with UPR AS11, the maximum APL permitted towards this interim award is 225 points at levels 4/5.