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| **D:\TTC-Moratuwa\Important Documents\NewSltLogo without line.jpg** | SRI LANKA TELECOM TRAINING CENTRE - WELISARA |
| **Programme Specification Summary** |
| **BEng Honours in Electrical and Electronic Engineering Degree** |

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| **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**

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| 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 | 4FTC1180 | 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 |

Progression to level 5 requires:

* A minimum of 90 credits to remain on 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**

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| 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 | 5FTC1213 | c | c | c | 15 | | English | | 70 | 30 | - | A | 2 |
| Project Management & Product Development | 5FTC1214 | 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 |

Progression to level 6 requires:

* 210 credit points and above to 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**

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| Module Title | Module Code | Award | | | Credit Points | Language of Delivery | % Examination | % Coursework | % Practical | Semester | Year of Study |
| EE | ECME | ECE | Full Time Mode |
| Careers Portfolio | 6FTC1154 | c | c | c | 0 | English | - | 100 | - | A | 3 |
| Microelectronics & VLSI | 6FTC1155 | c | c | c | 15 | English | 60 | 40 | - | A | 3 |
| Digital Signal Processing | 6FTC1156 | c | c | c | 15 | English | 60 | 40 | - | A | 3 |
| Power Systems | 6FTC1157 | c | - | - | 15 | English | 60 | 40 | - | A | 3 |
| Mobile & Digital Communication Networks | 6FTC1158 | - | c | c | 15 | English | 60 | 40 | - | B | 3 |
| Intelligent Systems and Robotics | 6FTC1159 | c | - | c | 15 | English | 60 | 40 | - | B | 3 |
| Advanced Power Conversion and Control | 6FTC1160 | c | - | - | 15 | English | 60 | 40 | - | B | 3 |
| Optical Communication Systems | 6FTC1161 | - | c | - | 15 | English | 60 | 40 | - | A | 3 |
| Satellite &Terrestrial Communication Systems | 6FTC1162 | - | c | - | 15 | English | - | 100 | - | B | 3 |
| Computer Architecture | 6FTC1163 | - | - | c | 15 | English | 60 | 40 | - | B | 3 |
| Operating Systems and Object Oriented Programming | 6FTC1164 | - | - | c | 15 | English | 60 | 40 | - | A | 3 |
| Telecommunication Systems | 6FTC1165 | c | c | - | 15 | English | 60 | 40 | - | B | 3 |
| Individual Major Project | 6FTC1167 | c | c | c | 30 | English | - | 100 | - | AB | 3 |

The programme provides the following final and interim awards:

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| Award | 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 in the named award | 300 credit points including 180 at level 6/5 of which 60 must be at level 6 excluding the individual major project | 6 |
| BEng (Hons) in the named award | 360 credit points including 240 at level 6/5 of which 120 must be at level 6 | 6 |