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|  | **HO CHI MINH CITY UNIVERSITY OF TECHNOLOGY AND EDUCATION**  **Faculty of International Education**  *Add: 01 Vo Van Ngan Street, Linh Chieu Ward, Thu Duc City, HCMC, Vietnam*  *Tel: +84 28.37.225.221, Email:* [*fie@hcmute.edu.vn*](mailto:fie@hcmute.edu.vn)*, Website:* [*https://fie.hcmute.edu.vn*](https://fie.hcmute.edu.vn) |

**Module List of Higher Diploma in Electrical and Electronic Engineering 2024**

**(Level 4 and 5)**

**TMC Academy, Singapore**

Students are admitted to the course on either a full-time or part-time basis. The Higher Diploma in Electrical and Electronic Engineering curriculum comprises of 240 credit points over 6 core modules and 6 Optional modules.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** |  | **Module Code** | **Module Title** | **Credits** | **Semester** |
| **Core Modules** | | | | | |
|  | Core | ENG101 | Engineering Mathematics 1 | 20 | 1 |
|  | Core | ENG103 | Applied Science | 20 | 1 |
|  | Optional | ENG201 | Electrical and Electronic Principles | 20 | 1 |
|  | Optional | ENG 107 | Programming for Engineers | 20 | 1 |
|  | | | | | |
|  | Core | ENG102 | Engineering Mathematics 2 | 20 | 2 |
|  | Core | ENG202 | Analogue and Digital Electronics | 20 | 2 |
|  | Core | ENG204 | Application of Electronic Devices | 20 | 2 |
|  | Optional | ENG105 | Project Management | 20 | 2 |
|  | | | | | |
|  | Optional | ENG104 | Engineering Design | 20 | 3 |
|  | Optional | ENG 109 | PLCs, Robotics and Automation | 20 | 3 |
|  | Optional | ENG 110 | Principles of Digital Electronics | 20 | 3 |
|  | Optional | ENG 213 | Embedded Systems | 20 | 3 |
|  | | | | | |
|  | Optional | ENG205 | Control Systems and Automation | 20 | 3 |
|  | Optional | ENG 214 | Industrial Systems | 20 | 4 |
|  | Optional | ENG 217 | Machine Learning Systems and Programming | 20 | 4 |
|  | Core | ENG211 | Engineering Project – Electrical and Electronic | 20 | 4 |
| **Total** | | | | **240** | **2400** |

**Module List of BA (Hons) Electrical and Electronic Engineering Top Up**

**(Level 6)**

**University of Sunderland**

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| **No.** | **Module code** | **Module Title** | **Credits** |
|  | EAT340 | Professional Engineering Management Techniques | 20 |
|  | ELX303 | Electrical Power | 20 |
|  | ELX304 | Electronic System | 20 |
|  | ENX300 | Manufacturing Systems Design | 20 |
|  | ENX313 | Project | 40 |
| **Total** | | | **120** |