**LY517 BEng Building Engineering with Renewable Energy (Ordinary Degree, Level 7)**

**BEng in Building Engineering with Renewable Energy**

**What will I study?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester** | **Module** | **Mandatory/**  **Elective** | **Credits** | **Contact Hours** |
| **3** | Building Engineering 1 | Mandatory | 5 | 4 |
| Electrical Services 2 | Mandatory | 5 | 4 |
| Mechanical & Electrical Scheduling | Mandatory | 5 | 4 |
| Mathematics 3 | Mandatory | 5 | 4 |
| Fluids & Thermo-dynamics 1 | Mandatory | 5 | 5 |
| Lighting & Acoustics | Mandatory | 5 | 4 |
| **Semester** | **Module** | **Mandatory/**  **Elective** | **Credits** | **Contact Hours** |
| 4 | Building Engineering 2 | Mandatory | 10 | 6 |
| Electrical Services 3 | Mandatory | 5 | 4 |
| Mathematics 4 | Mandatory | 5 | 4 |
| Fluids & Thermo-dynamics 2 | Mandatory | 5 | 4 |
| Site Organisation | Mandatory | 5 | 4 |
| Design Project | Mandatory | 5 | 4 |
| **Semester** | **Module** | **Mandatory/**  **Elective** | **Credits** | **Contact Hours** |
| **5** | Building Engineering 3 | Mandatory | 10 | 6 |
| Electrical Services 4 | Mandatory | 5 | 4 |
| Building Energy Modelling | Mandatory | 5 | 4 |
| Mathematics 5 | Mandatory | 5 | 4 |
| Building Engineering Project | Mandatory | 5 | 4 |
| **Semester** | **Module** | **Mandatory/**  **Elective** | **Credits** | **Contact Hours** |
| 6 | Building Engineering 4 | Mandatory | 5 | 4 |
| Control Services for Building Engineering | Mandatory | 5 | 4 |
| Mathematics 6 | Mandatory | 5 | 4 |
| Professional Practice | Mandatory | 5 | 4 |
| Work Placement & Project | Mandatory | 10 | 4 |