**LY517 BEng Fire Safety Engineering (Ordinary Degree, Level 7)**

**BEng in Fire Safety Engineering**

**What will I study?**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Semester**  | **Module**  | **Mandatory/****Elective** | **Credits** | **Contact Hours**  |
| **3** | Fire Technology 3 | Mandatory | 5 | 4 |
| Advanced Construction Technology  | Mandatory | 5 | 4 |
| Mathematics 3 | Mandatory | 5 | 4 |
| Structural Design & Materials | Mandatory | 5 | 4 |
| Fluid & Thermo-dynamics 1 | Mandatory | 5 | 5 |
| Measurement & Construction Economics | Mandatory | 5 | 4 |
| **Semester**  | **Module**  | **Mandatory/****Elective** | **Credits** | **Contact Hours**  |
| 4 | Fire Science | Mandatory | 10 | 6 |
| Mathematics 4 | Mandatory | 5 | 4 |
| Fluids & Thermo-dynamics 2 | Mandatory | 5 | 4 |
| Site Organisation | Mandatory | 5 | 4 |
| Building Services 2 | Mandatory | 5 | 4 |
| **Semester**  | **Module**  | **Mandatory/****Elective** | **Credits** | **Contact Hours**  |
| **5** | Fire Safety Design | Mandatory | 10 | 6 |
| Fire Dynamics | Mandatory | 10 | 6 |
| Fire Service Operations | Mandatory | 5 | 3 |
| Mathematics 5 | Mandatory | 5 | 4 |
| **Semester**  | **Module**  | **Mandatory/****Elective** | **Credits** | **Contact Hours**  |
| 6 | Fire Protection Systems | Mandatory | 10 | 6 |
| Fire Design Project | Mandatory | 10 | 6 |
| Mathematics 6 | Mandatory | 5 | 4 |
| Work Placement & Project | Mandatory | 10 | 4 |