**DEGREE OF MASTER OF ENGINEERING IN CIVIL ENGINEERING WITH SUBSEA TECHNOLOGY (07H24154)**

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Master of Engineering

**All the courses listed below are prescribed for this degree**

**PROGRAMME YEAR 1 – 120 Credit Points**

| First Half Session | | | Second Half Session | | |
|---|---|---|---|---|---|
| **Course Code** | **Course Title** | **Credit Points** | **Course Code** | **Course Title** | **Credit Points** |
| PD 1001 | Professional Skills Part 1 | 0 | | | |
| EG 1008 | Principles of Electronics | 15 | EG 1504 | Engineering Mathematics 1 | 15 |
| EG 1010 | CAD and Communications in Engineering Practice | 15 | | | |
| EG 1012 | Fundamentals of Engineering Materials | 15 | EG 1510 | Fundamental Engineering Mechanics | 15 |
| Plus 45 credit points from courses of choice. | | | | | |

**PROGRAMME YEAR 2 – 120 Credit Points**

| First Half-Session | | | Second Half-Session | | |
|---|---|---|---|---|---|
| **Course Code** | **Course Title** | **Credit Points** | **Course Code** | **Course Title** | **Credit Points** |
| EG 2004 | Fluid Mechanics and Thermodynamics | 15 | EA 2502 | Solids and Structures | 15 |
| EG 2011 | Process Engineering | 15 | EG 2501 | Design and Computing in Engineering Practice | 15 |
| EG 2012 | Engineering Mathematics 2 | 15 | EG 2503 | Electrical and Mechanical Systems | 15 |
| Plus 30 credit points from courses of choice. | | | | | |

**PROGRAMME YEAR 3 – 120 Credit Points**

| First Half-Session | | | Second Half-Session | | |
|---|---|---|---|---|---|
| **Course Code** | **Course Title** | **Credit Points** | **Course Code** | **Course Title** | **Credit Points** |
| EA 3027 | Geotechnics 1 | 15 | EA 3518 | Mechanics of Structures | 15 |
| EG 3007 | Engineering Analysis and Methods 1A | 15 | EA 3519 | Design of Structural Elements | 15 |
| | | | EA 3538 | Structural Dynamics | 10 |
| EM 3015 | Stress Analysis A | 15 | EA 3720 | Civil Engineering Design and Surveying | 10 |
| EM 3019 | Fluid Mechanics | 15 | EG 3599 | Project & Safety Management | 10 |

**PLEASE SEE OVER →**

| PROGRAMME YEAR 4 – 120 Credit Points | | | | | |
|---|---|---|---|---|---|
| First Half-Session | | | Second Half-Session | | |
| **Course Code** | **Course Title** | **Credit Points** | **Course Code** | **Course Title** | **Credit Points** |
| EG 4013 | MEng Individual Project | | | | 45 |
| EA 40JE | Geotechnics 2 | 10 | EA 4526 | Advanced Structural Analysis | 15 |
| EA 40JF | Civil Engineering Hydraulics | 10 | | | |
| EA 40JG | Advanced Structural Design | 10 | | | |
| Plus 30 credit points from courses of choice. | | | | | |
| **OR** | | | | | |
| First Half-Session | | | Second Half-Session | | |
| **Course Code** | **Course Title** | **Credit Points** | **Course Code** | **Course Title** | **Credit Points** |
| EA 40JE | Geotechnics 2 | 10 | EG4513 | Individual Project Abroad (MEng) | 60 |
| EA 40JF | Civil Engineering Hydraulics | 10 | | | |
| EA 40JG | Advanced Structural Design | 10 | | | |
| Plus 30 credit points from courses of choice in first half session. | | | | | |

| PROGRAMME YEAR 5 – 120 Credit Points | | | | | |
|---|---|---|---|---|---|
| First Half-Session | | | Second Half-Session | | |
| **Course Code** | **Course Title** | **Credit Points** | **Course Code** | **Course Title** | **Credit Points** |
| EA 50JG | Offshore Structural Design | 15 | EG 5565 | MEng Group Design | 30 |
| EG 501W | The Engineer in Society | 15 | EG 55F2 | Pipelines and Soil Mechanics (see Note 2) | 15 |
| EG 50R1 | Offshore Structures and Subsea Systems (see Note 2) | 15 | EG 55F6 | Risers Systems and Hydrodynamics (see Note 2) | 15 |
| EG 50T9 | Structural Vibrations | 15 | | | |

| Notes | |
|---|---|
| 1. | This programme is accredited by the Institution of Civil Engineers (ICE), the Institution of Structural Engineers (IStructE), the Institute of Highway Engineers (IHE) & the Chartered Institution of Highways & Transportation (CIHT) as fully satisfying the educational base for a chartered Engineer (CEng) |
| 2. | All course choices at Level 2 and above are subject to students holding the appropriate pre-requisites. |
| 3. | Candidates seeking entry to the Junior Honours programme must have accumulated, by award or recognition, or been exempted from, at least 225 credit points at levels 1 and 2, including those compulsory courses required to enter programme year 3.<br>If missing one compulsory course which is a pre requisite course for level 3, Head of School approval will be required to progress into Junior Honours, if approval is not granted students would progress onto programme year 3 on the BScEng degree programme.<br>Students will also be expected to meet the standards required for MEng as publicised in the Student Handbook. |