

DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING (ELECTRICAL & ELECTRONIC) (07H10816)

Students must also comply with the University General Regulations and the Supplementary Regulations for the Degree of Bachelor of Science in Engineering

All the courses listed below are prescribed for this degree

| PROGRAMME YEAR 1 – 120 Credit Points | | | | | |
|---|---|---------------|---|-----------------------------------|---------------|
| Term 1 | | | Term 2 | | |
| Course Code | Course Title | Credit Points | Course Code | Course Title | Credit Points |
| PD 1002 | Getting Started at the University of Aberdeen | 0 | EG 1504 | Engineering Mathematics 1 | 15 |
| EG 1008 | Principles of Electronics | 15 | | | |
| EG 1010 | CAD and Communication in Engineering Practice | 15 | EG 1510 | Fundamental Engineering Mechanics | 15 |
| EG 1012 | Fundamentals of Engineering Materials | 15 | EG 1513 | Circuit Analysis and Design | 15 |
| Plus 15 credit points from courses of choice at Levels 1 or 2 | | | Plus 15 credit points from courses of choice at Levels 1 or 2 | | |

| PROGRAMME YEAR 2 – 120 Credit Points | | | | | |
|---|------------------------------------|---------------|---|--|---------------|
| Term 1 | | | Term 2 | | |
| Course Code | Course Title | Credit Points | Course Code | Course Title | Credit Points |
| EG 2004 | Fluid Mechanics and Thermodynamics | 15 | EG 2501 | Design and Computing in Engineering Practice | 15 |
| EG 2011 | Process Engineering | 15 | EG 2503 | Electrical and Mechanical Systems | 15 |
| EG 2012 | Engineering Mathematics 2 | 15 | EG 2514 | Electronic Systems | 15 |
| Plus 15 credit points from courses of choice at Levels 1 or 2 | | | Plus 15 credit points from courses of choice at Levels 1 or 2 | | |

| PROGRAMME YEAR 3 – 120 Credit Points | | | | | |
|--------------------------------------|--|---------------|-------------|---|---------------|
| Term 1 | | | Term 2 | | |
| Course Code | Course Title | Credit Points | Course Code | Course Title | Credit Points |
| EE 3043 | Control Systems | 15 | EE 3557 | Electrical Power Engineering | 15 |
| EE 3053 | Signals, Systems and Signal Processing | 15 | EE 3580 | Digital Systems | 15 |
| | | | EE 3576 | Communications Engineering 1 | 10 |
| EE 3093 | C/C++ Programming | 15 | EE 3579 | Electrical and Electronics Engineering Design | 10 |
| EG 3007 | Engineering Analysis and Methods 1A | 15 | EG 3505 | Engineer in Society | 10 |

| Notes | |
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| 1. | This degree is an Ordinary Degree programme and is not professionally accredited. |
| 2. | To graduate, candidates must obtain at least 360 credit points from the courses specified above, to include all compulsory courses at Levels 1 and 2, plus at least 90 credit points from prescribed courses at Level 3. |
| 3. | All course choices at Level 2 and above are subject to students holding the appropriate pre-requisites. |
| 4. | Please consult the BScEng Supplementary Regulations for further details. |