

DEGREE OF BACHELOR OF SCIENCE IN ENGINEERING (GENERAL) (07H10616)

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 1513 | Circuit Analysis and Design | 15 |
| EG 1008 | Principles of Electronics | 15 | | | |
| EG 1010 | CAD and Communication in Engineering Practice | 15 | EG 1504 | Engineering Mathematics 1 | 15 |
| EG 1012 | Fundamentals of Engineering Materials | 15 | EG 1510 | Fundamental Engineering Mechanics | 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 | 15 |
| EG 2011 | Process Engineering | 15 | EG 2503 | Electrical and Mechanical Systems | 15 |
| EG 2012 | Engineering Mathematics 2 | 15 | EG 2513 | Solids and Structures | 15 |
| Plus 15 credit points from courses of choice at Levels 1 or 2 | | | EG 2514 | Electronic Systems | 15 |

| PROGRAMME YEAR 3 – 120 Credit Points | | | | | |
|--|--|---------------|--|--|---------------|
| Term 1 | | | Term 2 | | |
| Course Code | Course Title | Credit Points | Course Code | Course Title | Credit Points |
| EG 3007 | Engineering Analysis and Methods 1A | 15 | EG 3505 | Engineer in Society | 10 |
| Plus 45 credit points from the below: | | | Plus 50 credit points from the below: | | |
| EA 3027 | Geotechnics 1 | 15 | EA 3518 | Mechanics of Structures | 15 |
| EE 3043 | Control Systems | 15 | EA 3519 | Design of Structural Elements | 15 |
| EE 3053 | Signals, Systems and Signal Processing | 15 | EA 3538 | Structural Dynamics | 15 |
| EE 3093 | C/C+ Programming | 15 | EA 3720 | Civil Engineering Design & Surveying & Hydrology Fieldtrip | 10 |
| EM 3015 | Stress Analysis A | 15 | EE 3557 | Electrical Power Engineering | 15 |
| EM 3019 | Fluid Mechanics | 15 | EE 3576 | Communications Engineering 1 | 10 |
| EM 3028 | Engineering Materials | 15 | EE 3579 | Electrical & Electronics Engineering Design | 10 |
| EX 3029 | Chemical Thermodynamics | 15 | EE 3580 | Digital Systems | 15 |
| EX 3030 | Heat, Mass & Momentum | 15 | EM 3511 | Dynamics 1 | 15 |
| | | | EM 3521 | Engineering Thermodynamics | 10 |
| | | | EM 3522 | Design of Mechanical Elements | 10 |
| | | | EP 3595 | Drilling and Well Engineering | 15 |
| | | | EP 3596 | Reservoir Engineering I: Fundamentals | 15 |
| | | | EP 3597 | Petroleum Engineering Design | 10 |
| | | | EP 3598 | Well Testing | 10 |
| | | | EX 3501 | Chemical Reaction Engineering | 15 |
| | | | EX 3502 | Separation Processes 1 | 15 |
| | | | EX 3503 | Chemical Engineering Design | 10 |
| | | | EX 3504 | Process Modelling | 10 |

PLEASE SEE OVER →

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 Level 3 courses (ie, those courses coded EA/EE/EG/EM/EP/EX 3XXX). |
| 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. |