

For students who entered Level 2 in September 2018 or before

COMPUTER ENGINEERING & MANAGEMENT

| LEVEL I | | Total units: 37 | | | Total units: 37 |
|------------------|--|------------------------|---------------|--|------------------------|
| Course | Description | Units | Course | Description | Units |
| ENGINEER 1A00 | Safety Training | 0 | PHYS 1E03 | Waves, Electricity and Magnetic Fields | 3 |
| CHEM 1E03 | General Chemistry for Engineering I | 3 | ENGINEER 1D04 | Engineering Computation | 4 |
| PHYS 1D03 | Introductory Mechanics | 3 | MATH 1ZB3 | Engineering Mathematics II-A | 3 |
| ENGINEER 1C03 | Engineering Design and Graphics | 3 | MATH 1ZC3 | Engineering Mathematics II-B | 3 |
| MATH 1ZA3 | Engineering Mathematics I | 3 | MATLS 1M03 | Structure and Properties of Materials | 3 |
| ENGINEER 1P03 | Engineering Profession and Practice | 3 | ELECTIVE | Complementary Studies Elective | 3 |
| ELECTIVE | Complementary Studies Elective | 3 | | | |
| | | TERM 1 UNITS 18 | | | TERM 2 UNITS 19 |
| LEVEL II | | Total units: 37 | | | Total units: 37 |
| Course | Description | Units | Course | Description | Units |
| ELECENG 2CI5 | Introduction to Electrical Engineering | 5 | ELECENG 2CJ4 | Circuits and Systems | 4 |
| COMPENG 2SH4 | Principles of Programming | 4 | COMPENG 2SI4 | Data Struct., Algo. and Discrete Maths | 4 |
| MATH 2Z03 | Engineering Mathematics III | 3 | STATS 3Y03 | Probability and Statistics for Engineering | 3 |
| COMM 1AA3 | Financial Accounting I | 3 | ECON 2X03 | Applied Business Economics | 3 |
| ECON 1BB3 | Introductory Macroeconomics | 3 | ELECTIVE | Complementary Studies Elective | 3 |
| ENGNMGT 2AA2 | Communication Skills | 2 | | | |
| | | TERM 1 UNITS 20 | | | TERM 2 UNITS 17 |
| LEVEL III | | Total units: 35 | | | Total units: 35 |
| Course | Description | Units | Course | Description | Units |
| COMPENG 2DI4 | Logic Design | 4 | COMPENG 2DP4 | Microprocessor Systems | 4 |
| ELECENG 3TQ3 | Advanced Probability and Random Processes | 3 | ELECENG 2EI5 | Electronics Devices and Circuits I | 5 |
| ELECENG 3TP3 | Signals and Systems | 3 | ELECENG 2FL3 | Applied Electromagnetics | 3 |
| SFWRENG 3K04 | Software Development | 4 | COMM 2FA3 | Introduction to Finance | 3 |
| COMM 1BA3 | Organizational Behaviour | 3 | COMM 2MA3 | Introduction to Marketing | 3 |
| | | | COMM 2AB3 | Managerial Accounting I | 3 |
| | | TERM 1 UNITS 17 | | | TERM 2 UNITS 18 |
| LEVEL IV | | Total units: 33 | | | Total units: 33 |
| Course | Description | Units | Course | Description | Units |
| COMPENG 3DQ5 | Digital Systems Design | 5 | COMPENG 3SK3 | Computer Aided Engineering | 3 |
| ELECENG 3EJ4 | Electronic Devices and Circuits II | 4 | COMPENG 3DR4 | Computer Organization | 4 |
| ENGNMGT 4A03 | Innovation Driven Project Development and Mana | 3 | ELECENG 3CL4 | Introduction to Control Systems | 4 |
| ENGINEER 4A03 | Sustainability and Ethics in Engineering | 3 | ELECENG 3TR4 | Communications Systems | 4 |
| COMM 3FA3 | Managerial Finance | 3 | COMM 3MC3 | Applied Marketing Management | 3 |
| | | | COMM 2BC3 | Human Resources Management and Labour Re | 3 |
| | | TERM 1 UNITS 18 | | | TERM 2 UNITS 15 |
| LEVEL V | | Total units: 40 | | | Total units: 40 |
| Course | Description | Units | Course | Description | Units |
| COMPENG 4DK4 | Computer Communication Networks | 4 | COMPENG 4DN4 | Advanced Internet Communications | 4 |
| COMPENG 4DM4 | Computer Architecture | 4 | COMPENG 4DS4 | Embedded Systems | 4 |
| ELECENG 4OI6 | Engineering Design | 3 | ELECENG 4OI6 | Engineering Design | 3 |
| ENGNMGT 5B03 or | | | SFWRENG 3SH3 | Operating Systems | 3 |
| ENGNMGT 5EP3 | Engineering and Management Projects | 3 | COMM 4QA3 | Operations Modelling and Analysis | 3 |
| COMM 4PA3 | Business Policy: Strategic Management | 3 | COMM ELECTIVE | Commerce Elective | 3 |
| COMM ELECTIVE | Commerce Elective | 3 | | | |
| | | TERM 1 UNITS 20 | | | TERM 2 UNITS 20 |

ECE Technical Elective refers to courses on the Approved List for each program found under the website heading "Resources".

ECE Directed Technical Elective refers to the courses listed for your program in the Undergraduate Calendar.

Faculty of Engineering Technical Elective refers to any 3 or 4 unit course at Level 3 or 4 from any department in the Faculty of Engineering (exceptions: ENGINEER 3N03, and any ElecEng or CompEng course).