

For students entering Level 2 in September 2020 or after

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: 34 | | | Total units: 34 |
| Course | Description | Units | Course | Description | Units |
| ELECENG 2C15 | 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 | ELECTIVE | Complementary Studies Elective | 3 |
| ECON 1BB3 | Introductory Macroeconomics | 3 | | | |
| ENGNMGT 2AA2 | Communication Skills | 2 | | | |
| | | TERM 1 UNITS 20 | | | TERM 2 UNITS 14 |
| LEVEL III | | Total units: 34 | | | Total units: 34 |
| Course | Description | Units | Course | Description | Units |
| COMPENG 2D14 | Logic Design | 4 | COMPENG 2DX4 | Microprocessor Systems Project | 4 |
| ELECENG 3TQ3 | Advanced Probability and Random Processes | 3 | ELECENG 2E15 | 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 17 |
| LEVEL IV | | Total units: 36 | | | Total units: 36 |
| Course | Description | Units | Course | Description | Units |
| COMPENG 3DQ5 | Digital Systems Design | 5 | COMPENG 3DY4 | Computer Systems Integration Project | 4 |
| ELECENG 3EJ4 | Electronic Devices and Circuits II | 4 | SFWR ENG 3SH3 | Operating Systems | 3 |
| 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 2BC3 | Human Resources Management and Labour Re | 3 |
| | | | COMM 3MC3 | Applied Marketing Management | 3 |
| | | TERM 1 UNITS 18 | | | TERM 2 UNITS 18 |
| 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 | | | | | |
| ENGNMGT 5EP3 | Engineering and Management Projects | 3 | COMPENG 3SK3 | Computer-Aided Engineering | 3 |
| COMM 4PA3 | Business Policy: Strategic Management | 3 | COMM 4QA3 | Operations Modelling and Analysis | 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).