

B.E.(Computer Systems)

Level IV – 24 units

| <i>Term</i> | <i>Subject Area</i> | <i>Catalogue Number</i> | <i>Course Description</i> | <i>Units</i> |
|--|---------------------|-------------------------|--|--------------|
| Sem I | ELEC ENG | 4035 | Communications IV | 2.0 |
| Sem I | ELEC ENG | 4037 | Digital Microelectronics | 2.0 |
| Sem I | ELEC ENG | 4039A | Honours Project Part 1 <i>or</i> * | |
| Sem I | ELEC ENG | 4036A | Design Project Part 1* | 3.0 |
| Sem I | STATS | 4001 | Reliability and Quality Control | 2.0 |
| Sem I | COMP SCI | 3001 | Computer Networks and Applications | 3.0 |
| | | | | 12.0 |
| Sem II | ELEC ENG | 4038 | Financial Management for Engineers | 2.0 |
| Sem II | ELEC ENG | 4040 | Management and Professional Practice for Engineers | 2.0 |
| Sem II | ELEC ENG | 4039B | Honours Project Part 2 <i>or</i> * | |
| Sem II | ELEC ENG | 4036B | Design Project Part 2* | 3.0 |
| | | | | 7.0 |
| Elective courses to the value of 5 units | | | | 5.0 |

* Students accepted into the Honours stream will take Honours Project and other students will take Design Project.

Electives

| <i>Term</i> | <i>Subject Area</i> | <i>Catalogue Number</i> | <i>Course Description</i> | <i>Units</i> |
|-------------|---------------------|-------------------------|--|--------------|
| Sem I | COMP SCI | 3005 | Computer Architecture | 3.0 |
| Sem I | ELEC ENG | 4043 | Power Quality and Condition Monitoring | 2.0 |
| Sem I | ELEC ENG | 4044 | RF Engineering IV | 2.0 |
| Sem I | ELEC ENG | 4045 | Signal Processing IV | 2.0 |
| Sem I | ELEC ENG | 4046 | Telecommunications IV | 2.0 |
| Sem I | COMP SCI | 3016 | Computational Cognitive Science | 3.0 |
| Sem I | ELEC ENG | 3021 | Electric Energy Systems | 3.0 |
| Sem II | ELEC ENG | 4033 | Advanced Telecommunications | 2.0 |
| Sem II | ELEC ENG | 4049 | Analog Microelectronic Systems | 3.0 |
| Sem II | PURE MTH | 3018 | Coding and Cryptology III | 3.0 |
| Sem II | COMP SCI | 3004 | Operating Systems | 3.0 |
| Sem II | ELEC ENG | 4041 | Optical Communication Engineering | 2.0 |
| Sem II | ELEC ENG | 4042 | Power Electronics and Drive Systems | 2.0 |
| Sem II | ELEC ENG | 4051 | Introduction to Electronic Defence Systems | 2.0 |
| Sem II | ELEC ENG | 4050 | Systems Engineering | 2.0 |
| Sem II | ELEC ENG | 3xxx | Engineering Systems: Avionics | 3.0 |
| Sem II | APP MTH | 3016 | Telecommunications Systems Modelling III | 3.0 |