

| Example ECE Study Plan starting from 2021/2022 intake (E1b level) | | | | | | | | | | Credits |
|--|--------------------------------|--|--|---|---|--|---|---|--|-----------------------|
| Year 1 | 1st Semester (16 Credits) | ECEN1011 (3) Digital Systems | GEST1004 (3)# Quantitative Reasoning for Science and Technology | CHLL1000 / PORT1000 / GE (3) University Chinese / Portuguese Language I - Introductory Portuguese or GE | GELH1000 (3)# Chinese Language and Culture | EELC1011 (3) University English I | CPED1000 (1) Residential College Experiential Learning (for 2 semesters) | CPED1001 (0.5) Physical Education I | | 16 |
| | 2nd Semester (20 Credits) | ECEN1004 (3) Embedded Systems | ECEN1005 (4) Circuit Analysis | MATH1003 (3) Intermediate Calculus | ECEN1013 (3) Physics for Electrical and Computer Engineering | CISC1000 (3) Information Technology Fundamentals and Practices | EELC1012 (3) University English II | CPED1002 (0.5) Physical Education II | | 20 |
| Year 2 | 1st Semester (21 Credits) | ECEN2003 (3) Fundamental Electronics | ECE2017 (3) Signals and Systems | MATH2000 (3) Engineering Mathematics I | ECEN2018 (4) Linear Algebra, Probability and Statistics for Electrical and Computer Engineering | ECEN1012 (4) Computer Programming and Network Fundamentals | ECEN1001 (1) Introduction to Electrical and Computer Engineering | EELC1013 (3) University English III | | 21 |
| | 2nd Semester (18 Credits) | ECEN2015 (3) Applied Electronics | ECEN2002 (3) Electric Machines | ECEN2001 (3) Measurement and Instrumentation | ECEN2019 (3) Power System Engineering and Protection | ECEN2005 (3) Electromagnetism | ECEN1003 (1) Information Technology Revolution and Electronics | GE (3)\$ 1 GE in Science and Technology Area | | 19 |
| Year 3 | 1st Semester (15.5 Credits) | ECEN3000 (3) Control Systems | RE Group D (3) Wireless Technology Discipline RE | ECEN3008 (3) Power System Analysis | RE Group B (3) Electric Power Engineering and its Automation Discipline RE | RE Group A (3) Biomedical Engineering Discipline RE | GEA1000 (3)# Macao and Chinese Civilization | CPED2000 (1) Communication Skills and Leadership (for 2 semesters) | | 18.5 |
| | 2nd Semester (19.5 Credits) | ECEN3001 (3) Digital Signal Processing | RE Group C (3) Microelectronics Discipline RE | RE Group E (3) IoT Engineering and Intelligent Control | RE Group F (3) General and Maths RE | RE Group A-E (3) 1 Course in Discipline Group A-E | GESB1000 (3)# Ethics, Values, Law and Society | | | 18.5 |
| Year 4 | 1st Semester (18 Credits) | ECEN4000 (3) Design Project I | STGC3000 (3) Work-Integrated Education | RE Group A-F (3) 1 Course in Discipline Group A-F | RE Group A-F (3) 1 Course in Discipline Group A-F | GE (3)\$ 1 GE in Literature and Humanities Area | GE (3)\$ 1 GE in Society and Behaviour Area | | | 18 |
| | 2nd Semester (10 Credits) | ECEN4001 (3) Design Project II | ECEN3002 (1) ECE Seminars | RE Group A-F (3) 1 Course in Discipline Group A-F | | GE (3)\$ 1 GE in Global Awareness Area | | | | 10 |
| Legends: <div> <div>CM Compulsory</div> <div>RE Required Electives</div> <div>CPE Community and Peer Education</div> <div>L&S* Languages and Skills</div> <div>GE General Education</div> </div> | | | | | | | | | | Total Credits: |

* Students who test out of some or all of the Languages and Skills course(s) are required to make up the credits by taking additional Free Elective(s).

There are 4 GE areas and each area will have a compulsory GE course.

\$ In addition to the four compulsory GE courses, students are required to complete the remaining GE credits by selecting 1 course from each area.

Credits
16

20

21

19

18.5

18.5

18

10

141