

Example ECE Study Plan starting from 2021/2022 intake (E5 level)

											Credits
Year 1	1st Semester (18 Credits)	ECEN1011 (3) Digital Systems	ECEN1001 (1) Introduction to Electrical and Computer Engineering	GEST1004 (3)# Quantitative Reasoning for Science and Technology	ECEN1012 (4) Computer Programming and Network Fundamentals	CHLL1000/PORT1000 (3) University Chinese/ Portuguese Language I – Introductory Portuguese	E5 Electives (3) E5 Electives (for English for Specific Academic Purposes)	CPED1000 (1) Residential College Experiential Learning (for 2 semesters)	CPED1001 (0.5) Physical Education I		18
	2nd Semester (18 Credits)	ECEN1004 (3) Embedded Systems	ECEN1005 (4) Circuit Analysis	MATH1003 (3) Intermediate Calculus	ECEN1013 (3) Physics for Electrical and Computer Engineering	ECEN1003 (1) Information Technology Revolution and Electronics	CISC1000 (3) Information Technology Fundamentals and Practices		CPED1002 (0.5) Physical Education II		18
Year 2	1st Semester (16.5 Credits)	ECEN2003 (3) Fundamental Electronics	ECEN2017 (3) Signals and Systems	MATH2000 (3) Engineering Mathematics I	ECEN2018 (4) Linear Algebra, Probability and Statistics for Electrical and Computer Engineering	RE Group F (3) General and Maths RE	GEGA1000 (3)# Macao and Chinese Civilization	CPED2000 (1) Communication Skills and Leadership (for 2 semesters)		19.5	
	2nd Semester (18.5 Credits)	ECEN2015 (3) Applied Electronics	ECEN2002 (3) Electric Machines	ECEN2001 (3) Measurement and Instrumentation	ECEN2019 (3) Power System Engineering and Protection	ECEN2005 (3) Electromagnetism	GE (3)\$ 1 GE in Science and Technology Area			18.5	
Year 3	1st Semester (18 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	RE Group E (3) IoT Engineering and Intelligent Control			18	
	2nd Semester (18 Credits)	ECEN3001 (3) Digital Signal Processing	RE Group C (3) Microelectronics Discipline RE	RE Group A-F (3) 1 Course in Group A-F	RE Group A-E (3) 1 Course in Discipline Group A-E	GELH1000 (3)# Chinese Language and Culture	GESB1000 (3)# Ethics, Values, Law and Society			18	
Year 4	1st Semester (18 Credits)	ECEN4000 (3) Design Project I	STGC3000 (3) Work-Integrated Education	RE Group A-F (3) 1 Course in Group A-F	RE Group A-F (3) 1 Course in Group A-F	GE (3)\$ 1 GE in Literature and Humanities Area	GE (3)\$ 1 GE in Society and Behaviour Area			18	
	2nd Semester (16 Credits)	ECEN4001 (3) Design Project II	ECEN3002 (1) ECE Seminars	FE (3) 1 Free Elective	FE (3) 1 Free Elective	GE (3)\$ 1 GE in Global Awareness Area				13	

Legends:

CM Compulsory	RE Required Electives	CPE Community and Peer Education	L&S* Languages and Skills	GE General Education	FE Free Electives
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Total Credits:

141

* 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.