SELF-GRADUATION CHECK

For students admitted from academic year 2017/2018 onwards (D-B7-XXXX-X students) Bachelor of Science in Electromechanical Engineering

Students are strongly advised to check the enrolment records each semester in order to secure the graduation requirement has been fulfilled. You may print out this study plan and cross-check with your enrolment records. Should you have any doubts on the below study plan, please approach the Department of Electromechanical Engineering.

	Year 1		Credits
	EMEN1001	Engineering Drawing I	1
	EMEN1002	Engineering Drawing II	1
	EMEN1003	Engineering Materials	3
	EMEN1004	Statics	3
	MATH1003	Intermediate Calculus	3 3 3 3
	ECEN1008	Physics I	3
	Community a	nd Peer Education Courses:	
	CPED1000	Residential College Experiential Learning	1
\square	CPED1001	Physical Education I	0.5
	CPED1002	Physical Education II	0.5
	General Educ	ation Courses:	
	GELH1000	Chinese Language and Culture	3
\square	GEST1004	Quantitative Reasoning for Science and Technology	3 3 3
		(Science and Technology)	3
	Languages ar	nd Skills Courses*:	
	EELC1001	Interactive English I	3
	EELC1002	Interactive English II	3
\square	CISC1000	Information Technology Fundamentals and Practices	3 3 3 3
	1 Languages	and Skills Course*:	3
	CHLL1000	University Chinese or	
	PORT1000	Portuguese Language I – Introductory Portuguese	
	Total Credits		37

Year 2		Credits
EMEN2000	Strength of Materials	3
EMEN2001	Thermodynamics	3
EMEN2002	Manufacturing Technology	3
EMEN2003	Electrical Engineering	3
EMEN2004	Dynamics	3
EMEN2005	Computer-Aided Design	3
EMEN2006	Machine Elements	3
EMEN2007	Mechatronics	3
MATH2000	Engineering Mathematics I	3
MATH2001	Engineering Mathematics II	3
Community a CPED1003	nd Peer Education Courses: Communication Skills and Leadership	1
General Educ GEGA1000	ation Courses: Macao and Chinese Civilization	3

	Lengueres and Skills Courses*	
	Languages and Skills Courses*: EELC1003 Academic English	3
	Total Credits	37
	Year 3	Credits
	EMEN3000 Production Management	3
	EMEN3001 Fluid Mechanics	3
	EMEN3002 Control Engineering	3
	EMEN3003 Heat Transfer	3 3 3 3 3
	EMEN3004 Computer Engineering	3
	EMEN3005 Society and the Engineer	3
	General Education Courses:	
	GESB1001 Applied Ethics	1
	GESB1001 Applied Links GESB1002 Foundations of Moral Values	1
	GESB1002 Foundations of Moral Values GESB1003 Law and Society	1
H	1 GE Course (Area of Global Awareness)	3
	4 Required Electives^	12
	Total Credits	34
	Year 4	Credits
	EMEN4000 Graduation Project	6
	STGC3000 Work-Integrated Education	3
	General Education Courses:	
		2
	1 GE Course (Area of Literature and Humanities)	3 3
	1 GE Course (Area of Society and Behaviour)	3

6 Re	equired Electives^	18
Total	I Credits	33

Required Elective Courses (3 credits for each course):

Stream A – Building Services

EMEN3008	Air Conditioning and Refrigeration
EMEN3012	Electrical Services - Wiring and Installations
EMEN3018	Intelligent Buildings
EMEN3025	Fire Protection Engineering
EMEN3030	Special Topics in Electromechanical Engineering I
EMEN3036	Extra-low-voltage Electrical Systems in Buildings
EMEN3037	Facility Management
EMEN3038	Lighting Technology

Stream B- Energy, Engineering Design & Control

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Stream C- Materials, Manufacturing & Engineering Management

EMEN3006	Advanced Manufacturing
EMEN3007	Advanced Materials for Engineering
EMEN3011	Corrosion, Wear and Degradation of Materials
EMEN3017	Industrial Data Management
EMEN3024	Engineering Management
EMEN3027	Mechanical Behaviour of Engineering Materials and Basic Failure
	Analysis
EMEN3029	Production Systems, Planning & Control
EMEN3034	Creative Industry
EMEN3039	Mechanical Processing of Materials
EMEN3032	Special Topics in Electromechanical Engineering III
EMEN3043	Statistics and Probability for Engineering
EMEN3044	Surface Engineering and Coating Technology