

Local Units				Foreign Unit				
	Code	Name	ECTS	Description	Code	Name	ECTS	Description
Compulsory	ESE3101	Signal Conditioning and Data Conversion	5	https://www.um.edu.mt/courses/studyunit/ESE3101				
	MAT3815	Mathematics for Engineers 3	4	https://www.um.edu.mt/courses/studyunit/MAT3815	ACM30030	Multivariable Calculus Eng II	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=ACM30030&TERMCODE=202400&AC YR=2025
	SCE3101	Dynamic Systems and Signals 1	5	https://www.um.edu.mt/courses/studyunit/SCE3101				
Optional	ENR3101	Properties and Applications of Electrical and Electronic Materials	5	https://www.um.edu.mt/courses/studyunit/ENR3101				
	EPC3102	Electrical Power 2	5	https://www.um.edu.mt/courses/studyunit/EPC3102				
	EPC3103	Power Electronics 2	5	https://www.um.edu.mt/courses/studyunit/EPC3103				
	ESE3102	Microcontrollers and Interfacing 1	5	https://www.um.edu.mt/courses/studyunit/ESE3102				
	ESE3103	Introduction to FPGAs	5	https://www.um.edu.mt/courses/studyunit/ESE3103	EEEN30190	Digital System Design	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN30190&TERMCODE=202400&AC YR=2025
	ESE3106	Electronic Systems 1	5	https://www.um.edu.mt/courses/studyunit/ESE3106				
	MNE3501	Mixed Mode VLSI	5	https://www.um.edu.mt/courses/studyunit/MNE3501				
	SCE3113	Automatic Control Systems 3	5	https://www.um.edu.mt/courses/studyunit/SCE3113	EEEN40010	Control Theory	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN40010&TERMCODE=202400&AC YR=2025
	SCE3115	Autonomous Robotic Systems	5	https://www.um.edu.mt/courses/studyunit/SCE3115				
Options	CCE2411	Computer Networks for Electronic Engineering	6	https://www.um.edu.mt/courses/studyunit/CCE2411	COMP30040	Networks and Internet Systems	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=COMP30040&TERMCODE=202400&AC YR=2025
	SCE4103	An Introduction to Biomedical Signal Analysis	5	https://www.um.edu.mt/courses/studyunit/SCE4103	EEEN30160	Biomedical Signal Processing	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN30160&TERMCODE=202400&AC YR=2025
					EEEN40720	Machine Learning for Engineers	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN40720&TERMCODE=202400&AC YR=2025
					EEEN40050	Wireless Systems	5	https://hub.ucd.ie/isis/!W_HU_MENU.P_PUBLISH?p_tag=MODULE&MODULE=EEEN40050&TERMCODE=202400&AC YR=2025
Total at UM		29	Total at Host		30			

- Notes:
1. ESE3101 and SCE3101 must be taken in 4th year instead of 4th year optional units
 2. Student must take ACM30030, EEEN30190 and EEEN40010 and another 3 units to complete 30 ECTS
 3. If students take COMP30040 and EEEN30160, then CCE2411 and SCE4103 may not be taken in the following semesters