

Year	Details			Cohort(s)	Group Size	Structure				Scope			Outcome		
	Module Code	Module Title				Interdisciplinary	International University Collaboration	Society/Industry Collaboration	Individual Team Challenge	Stakeholder Identification	Need identification	Problem (re-)definition	Concept	Communication Prototype	Functional Prototype
First	1E8	Introduction to Professional Engineering	General, ESEE	5					✓	✓	✓	✓			
	1E9	Engineering Design I	General, ESEE	6								✓	✓		
	1E12	Engineering Materials and Their Applications	General, EwM	5								✓			
Second	2E9	Engineering Design III	General	10					✓	✓	✓	✓	✓		
	2E10	Engineering Design IV Project	General, EWM	4	✓							✓	✓	✓	✓
	2MM3	Design I	EwM	8			✓			✓	✓	✓	✓		
	2MM11	Manufacturing Engineering Design	EwM	3						✓	✓	✓	✓	✓	
Third	3BM2	Biomedical Design Project	Bio	6			✓	✓	✓	✓	✓	✓	✓	✓	✓
	3MM3	Design 2	EwM	3								✓	✓	✓	
	3B9	Universal Design Innovation	Mech	8			✓			✓	✓	✓	✓		
	3C10	Circuits and System Design	Elec	4			✓	✓			✓	✓	✓	✓	✓
Fourth	3D3	Computer Networks	Comp	4								✓	✓	✓	
	4MM9	User Centred Design Innovation	EwM	4			✓	✓	✓	✓	✓	✓			
	4B7	Computer Aided Design	Mech, EwM	4							✓				
	5BM1	Medical Device Design Innovation Project	Bio, EwM	4											
Fifth	5B3	Advanced Thermal Fluid Sciences	Mech, EwM	5					✓	✓	✓	✓	✓	✓	✓
	5E3	Innovation in Product Development	Civil, Mech, Elec Comp, EwM	4	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	7CS3	Advanced Software Engineering	Comp	8							✓	✓	✓	✓	
	5BM8	Active Implanted Devices and Systems	Bio	2			✓	✓	✓	✓	✓	✓			
MSc	5C21	Cyber-Physical Systems and Control	Elec	3					✓	✓	✓	✓			
	7B18	Design and Innovation	Bio	5					✓	✓	✓	✓	✓	✓	