							Previous knowledge/skil	
							ls/background	
Subject	Module Code	Module Name	Study Period	Level	UK Credits	ECTS	required for applicants?	Other module details which applicants should be aware of:
Subject	Code	Semiconductor	Study Period	Level	Credits	ECIS	Good maths	Should be aware of.
Physics	KD5083	Physics	Semester 1	5	20	10	background	
FILYSICS	KD3065	Theory,	Semester I	5	20	10	Dackground	This is a reasonably practical module
		Computation &					Good maths	involving laboratory experiments (50%)
Physics	KD5081	experiment	Semester 1	5	20	10	background	and computational work (50%).
T TTY SICS	KD3001	experiment	Semester I	5	20	10	Mathematics to	
							level of	
							introductory	
		Quantum					calculus and	
Physics	KD5082	Universe	Semester 2	5	20	10	linear algebra	
1				_	_	_	Mathematics to	
							level of	
		Thermal and					introductory	
Physics	KD5084	Nuclear Energy	Semester 2	5	20	10	calculus	
		Semiconductor					Good maths	
Physics	KD5083	Physics	Semester 2	5	20	10	background	
Mathe		Advances Maths					Introductory	
matics	KC5028	for Physics	Semester 1	5	20	10	mathematics	
		Space-Time and						
Mathe		Electromagnetis					Intermediate	
matics	KC5029	m	Semester 2	5	20	10	maths	
Electrica	KD5064	Analogue		5	20		Some	
		Electronics and					knowledge of	
Enginee		Instrumentation					Electrical	
ring							Engineering -	
			Semester 1			10	ideally	

## Mathematics, Physics and Electrical Engineering Modules for 2019/2020

							completed and	
							completed one	
							or more years	
							of degree in	
							Elec Eng. or	
							allied subject	
Electrica	KD5066	Communication		5	20		Some	
1		s Systems					knowledge of	
Enginee							Electrical	
ring							Engineering -	
							ideally	
							completed one	
							or more years	
							of degree in	
							Elec Eng. or	
			Semester 1			10	allied subject	
Electrica	KD6001	Embedded		6	20		Needs	
1		Systems (level-6					knowledge of	
Enginee		BEng EDE top-					Electrical	
ring		up)					Engineering	
-							from previous	
			Semester 1			10	years	
Electrica	KD5065	C programming		5	20		Some	
1		and Digital					knowledge of	
Enginee		Systems					Electrical	
ring		,					Engineering -	
							ideally	
							completed one	
							or more years	
							of degree in	
							Elec Eng. or	
			Semester 2			10	allied subject	
			Jennester 2			10	unicu subject	

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Electrica	KD5080	Electrical		5	20		Some	
I	100000	Product		5	20		knowledge of	
Enginee		Development					Electrical	
ring		Development					Engineering -	
1115							ideally	
							completed one	
							or more years	
							of degree in	
							Elec Eng. or	
			Semester 2			10	allied subject	
Electrica	KD5067	Power	Semester 2	5	20	10	Some	
LIECTICA	KD3007	Machines and		5	20		knowledge of	
I Enginee		Renewable					Electrical	
-							Engineering -	
ring		Energy					ideally	
							completed one	
							or more years	
							of degree in	
			Compostor 2			10	Elec Eng. or	
El a atulia a	KDC002	Electronic	Semester 2	6	20	10	allied subject	
Electrica	KD6002	Electronic		6	20		Needs	
		System Design					knowledge of	
Enginee							Electrical	
ring							Engineering	
						4.0	from previous	
			Semester 2			10	years	
Electrica	KF6047	Principles of		6	20		Needs	
I		Mobile Wireless					knowledge of	
Enginee		Networks					Electrical	
ring							Engineering	
							from previous	
			Semester 2			10	years	