

Semester 1 Mathematics, Physics and Electrical Engineering Modules for 2020/2021

Subject	Module Code	Module Name	Level	UK Credits	ECTS	Previous knowledge/skills/background required for applicants?
Physics	KD5083	Semiconductor Physics	5	20	10	Good maths background
Physics	KD5081	Theory, Computation & experiment	5	20	10	Good maths background. This is a reasonably practical module involving laboratory experiments (50%) and computational work (50%).
Mathematics	KC5028	Advances Maths for Physics	5	20	10	Introductory mathematics
Electrical Engineering	KD5064	Analogue Electronics and Instrumentation	5	20	10	Some knowledge of Electrical Engineering - ideally completed one or more years of degree in Elec Eng. or allied subject
Electrical Engineering	KD5066	Communications Systems	5	20	10	Some knowledge of Electrical Engineering - ideally completed one or more years of degree in Elec Eng. or allied subject
Electrical Engineering	KD6001	Embedded Systems (level-6 BEng EDE top-up)	6	20	10	Needs knowledge of Electrical Engineering from previous years