

Semester 1 Mathematics, Physics and Electrical Engineering Modules for 2022/2023

Subject Area	Module and Code	Level	UK Credits	ECTS
Electrical Engineering	KD5065 C programming and digital systems	5	20	10
Electrical Engineering	KD5066 Communication Systems	5	20	10
Electrical Engineering	KD6026 Digital Signal Processing	6	20	10
Electrical Engineering	KD6010 Power systems	6	20	10
Electrical Engineering	KD6027 Embedded Systems	6	20	10
Electrical Engineering	KD6029 Wireless and RF systems Design	6	20	10
Maths	KC5008 - Ordinary and Partial differential equations	5	20	10
Maths	KL5004 - Complex Variables	5	20	10
Maths	KC6007 - Mathematical cryptology	6	20	10
Maths	KC6029 - Advanced statistical methods	6	20	10
Physics and Physics with Astrophysics	KC5028 Adv. Mathematics for Physics	5	20	10
Physics and Physics with Astrophysics	KD5081 Theory, Computation and Experiment	5	20	10
Physics and Physics with Astrophysics	KD5083 Semi-conductor Physics	5	20	10
Physics and Physics with Astrophysics	KC6033 Solar Physics	6	20	10
Physics and Physics with Astrophysics	KD6041 Quantum Devices	6	20	10
Physics and Physics with Astrophysics	KD6042 Advanced Photovoltaics	6	20	10