



Mechatronic Systems Engineering

Advanced Diploma / Diploma of Higher Education (DipHE)

Duration	2 years	OQF Level	7
Study type	Full-time	UK FHEQ Level	5

Advanced Diploma Year 1

Semester 1		Credits	Semester 2		Credits
MTCS4001	Engineering Mathematics 2	20	MTCS4001	Engineering Mathematics 2	20
MTCS4027	Engineering Design	20	MTCS4027	Engineering Design	20
MTCM4007	Mechanical Principles	20	MTCM4006	Thermal Systems Engineering 1	20
MTCS4009	Analogue and Digital Electronics	20	MTCS4036	Mechanical Engineering Design	20
TNASZ4012	Basic Electrical and Electronics TNA Skills	-	TNASM4009	Mechatronic Engineering	-

Advanced Diploma Year 2

Semester 1		Credits	Semester 2		Credits
MTCS5005	Instrumentation and Control	20	MTCM5025	Fluid Systems	20
MTCS5024	Power Electronics	20	MTCS5003	Intra-disciplinary Group Design Project	20
MTCS5078	Industrial Automation Systems	20	MTCS5048	Embedded Computer Systems	20
TNASM5013	Mechatronic Engineering	-	TNASM5014	Mechatronic Engineering	-

