

Foundation degrees module selection

Three examples

		Option pathways	Levels	Mechanical BSE leading towards IEng	Small Consultant	Electrical biased contractor
Engineering Knowledge & Skills Base						
Mandatory	Building Services Engineering Mathematics		4,5	30	10	15
Mandatory	Building Services Engineering Science		4	15	10	15
	Thermofluids/Heat Transfer		5	15	15	0
	Electrical/ Electronic Principles		5	15	15	15
	Control Theory		5	0	10	0
Built Environment Knowledge & Skill Base						
Mandatory	Health & Safety Management		4	10	10	10
Mandatory	Construction management and procedures		4	10	10	10
Mandatory	Project Management		5	10	10	10
Technical Building Services Engineering Knowledge & Skills Base						
	Heating, Ventilation and Air Conditioning	M	4,5	10	10	0
	Refrigeration	M	4,5	10	0	0
	Public Health Engineering	M		0	10	0
	Utility Services	M		0	10	0
	Fire Engineering	M	4,5	0	5	0
	Controls & Building Management Systems	M		15	10	15
	Electrical Installations	E	4,5	10	10	30
	Electrical Power Supplies	E		0	10	15
	Lighting Designs	E		10	10	15
	Fire detection & Security					15

	Supply Chain Management	C	0	0	0
	Specification and documentation	C	0	0	0
	Cost & Financial Control	C	0	0	0
Applied Building Services Engineering					
	Mandatory Group Integrative Project		4	15	15
	Mandatory Individual Integrative Project		5	15	20
	Design Methodology for Building Services Applications			0	15
	Computer Applications in Building Services Engineering			15	15
Specific Transferable Skills					
	Communication and Report Writing			5	10
	Managing own Learning & CPD			5	0
	Managing Client Relationships			0	0
	Career Management			5	0
				220	240
					240

The numbers above represent the credits awarded