Sheffield Hallam University

Department of Engineering and Maths

COURSE TITLE & CODE: MEng/BEng Electrical and Electronic Engineering - 55BE00042F/55BE00042S/55ME00076F/55ME00076S/55ME02252S

Level 4/Year 1
All students take the following mandatory modules:

Mandatory Module	Module Code	Semester	Credits	Occ	Comments
ACADEMIC ADVISING FOR ELECTRONIC ENGINEERING	55-4-SG51	N/A	0	AF	
ANALOGUE ELECTRONIC ENGINEERING	55-400226	LONG1	20	AF	
DIGITAL ELECTRONIC ENGINEERING	55-401162	LONG1	20	AF	
ELECTRICAL ENGINEERING PRINCIPLES	55-404476	LONG1	20	AF	
ENGINEERING MATHEMATICS	55-404487	LONG1	20	AF	
INTRODUCTION TO PROGRAMMING	55-404574	LONG1	20	AF	
PROFESSIONAL ENGINEERING PRACTICE	55-404488	LONG1	20	AF	

Level 5/Year 2
All students take the following mandatory modules:

Mandatory Module	Module Code	Semester	Credits	Occ	Comments
ACADEMIC ADVISING FOR ELECTRONIC ENGINEERING	55-5-SG51	N/A	0	AF	
ANALOGUE AND DIGITAL ELECTRONICS	55-500223	LONG1	20	AF	
COMMUNICATION SYSTEMS AND COMPUTER NETWORKS	55-500678	LONG1	20	AF	
CONTROL AND INSTRUMENTATION	55-500840	LONG1	20	AF	
ELECTRICAL POWER AND MACHINES	55-501319	LONG1	20	AF	
EMBEDDED SYSTEMS DESIGN	55-501340	LONG1	20	AF	
APPLIED ENGINEERING PROJECT	55-503274	LONG1	20	AF	

Level 6 Year 3/ 4 (dependant on whether you have taken a placement year)
All students take the following mandatory modules:

Mandatory Module	Module Code	Semester	Credits	Occ	Comments
ACADEMIC ADVISING FOR ELECTRONIC ENGINEERING	55-6-SG51	N/A	0	AF	
ELECTRICAL SYSTEMS AND SUSTAINABLE ENERGY	55-601323	LONG1	20	AF	
ELECTRONIC SYSTEMS	55-604480	LONG1	20	AF	
INDIVIDUAL PROJECT (EEC - CENG ROUTE)	55-602022	LONG1	40	AF	

Students pick two of the elective modules below:

Elective Modules	Mod Code	Semester	Credits	Occ	Comments
CONTROL SYSTEMS AND THEIR APPLICATIONS	55-604435	LONG1	20	AF	
EMBEDDED COMPUTER NETWORKS	55-604481	LONG1	20	AF	
POWER ELECTRONICS AND ELECTRICAL	55-604681	LONG1	20	AF	

Level 7 Year 4/5 (dependant on whether you have taken a placement year)
All students take the following mandatory modules:

Mandatory Module	Module Code	Semester	Credits	Occ	Comments
ACADEMIC ADVISING FOR ELECTRONIC ENGINEERING	55-7-SG51	N/A	0	AF	
DIGITAL ELECTRONIC SYSTEM DESIGN	55-701163	SEM1	15	AF	
ELECTRICAL ENERGY SYSTEMS	55-701315	SEM1	15	AF	
GLOBAL SUPPLY CHAIN AND MANUFACTURING STRATEGY	55-701843	SEM2	15	AF	
MENG GROUP PROJECT	55-704641	LONG1	30	AF	
MODERN ELECTRIC SYSTEMS	55-701311	SEM2	15	BF	

Students pick one of the Semester 1 elective modules below:

Elective Modules	Mod Code	Semester	Credits	Occ	Comments
Systems on Chip (SOC) Architectures and Prototyping	55-701339	SEM1	15	AF	
ROBOTICS	55-703650	SEM1	15	AF	

Students pick one of the Semester 2 elective modules below:

Elective Modules	Mod Code	Semester	Credits	Occ	Comments
ADVANCED CONTROL METHODS	55-704371	SEM2	15	AF	
APPLICABLE ARTIFICIAL INTELLIGENCE	55-700241	SEM2	15	AF	
COMMUNICATION ENGINEERING	55-704421	SEM2	15	AF	
INDUSTRIAL AUTOMATION	55-704553	SEM2	15	BF	