

UNIT DISTRIBUTION

YEAR ONE				
SEMESTER ONE				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	AMM122	Mathematics I	4	56
2.	APH108	Physics I	3	42
3.	ACH117	Chemistry I	3	42
4.	SIT100	Introduction to Computer Applications	3	42
5.	EES100	Engineering Drawing and Design I	4	56
6.	UCU100	Communication Skills	3	42
7.	UCU101	HIV/AIDS	3	42
TOTAL			22	322

YEAR ONE				
SEMESTER TWO				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	AMM123	Mathematics II	4	56
2.	APH109	Physics II	3	42
3.	ACH118	Chemistry II	3	42
4.	SIT101	Introduction to Computer Programming	3	42
5.	EES101	Computer Aided Drawing	4	56
6.	UCU102	Development Studies and National Cohesion	3	42
7.	UCU103	Introduction to Business and Entrepreneurship	3	42
TOTAL			22	322

YEAR TWO				
SEMESTER ONE				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	AMM214	Mathematics III	4	56
2.	EES200	Fluid Mechanics	4	56
3.	EES201	Solid and Structural Mechanics	4	56
4.	EES202	Thermodynamics	4	56
5.	EES203	Energy Resources	4	56
6.	EES204	Electrical Circuit Theory I	4	56
7.	SCS202	Object Oriented Programming	3	42
8.	EES205	Physical Electronics I	4	56
TOTAL			30	434

YEAR TWO				
SEMESTER TWO				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	AMM215	Mathematics IV	4	56
2.	EES207	Mechanics of Machines	4	56
3.	EES208	Material Science	4	56
4.	EES209	Electrical Circuit Theory II	4	56
5.	EES210	Physical Electronics II	4	56
6.	EES211	Electrical Instrumentation and Measurement	4	56
7.	SCS212	Electrical Energy Systems	4	56
8.	EES213	Power Generation Plants	4	56
TOTAL			31	434

YEAR TWO				
SEMESTER THREE				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	EES215	Workshop Practice (8 weeks internal attachment)	3	320

YEAR THREE				
SEMESTER ONE				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	AMM318	Linear Algebra	4	56
2.	AMM319	Applied Geometry	3	42
3.	EES301	Electrical Circuit Theory III	4	56
4.	EES302	Analogue Electronics I	4	56
5.	EES303	Electromagnetic Field Theory I	4	56
6.	EES304	Electrical Machines	4	56
7.	EES305	Communication Systems I	4	56
TOTAL			26	378

YEAR THREE				
SEMESTER TWO				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	AMM335	Probability and Statistics	4	56
2.	AMM320	Numerical Methods	3	42
3.	EES308	Introduction to MATLAB programming	4	56
4.	EES309	Analogue Electronics II	4	56
5.	EES310	Electromagnetic Field Theory II	4	56
6.	EES311	Electronic Circuit Design and Fabrication	4	56
7.	EES312	Digital Electronics	4	56
8.	EES313	Communication Systems II	4	56
TOTAL			30	434

YEAR THREE			
SEMESTER THREE (LONG HOLIDAY)			
COURSE CODE	COURSE TITLE	Au per week	Au per semester
1.	EES315	Industrial Attachment I(8 Weeks)	320

YEAR FOUR			
SEMESTER ONE			
COURSE CODE	COURSE TITLE	Au per week	Au per semester
1.	EES400	Integrated Circuits	56
2.	EES401	Power Electronics	56
3.	EES402	Transmission Lines	56
4.	EES403	Digital Signal Processing	56
5.	EES404	Control Engineering I	56
6.	EES405	Microprocessors Systems I	56
7.	EES406	Environmental Impact and Assessment	42
8.	EES407	Induction Machines	56
TOTAL		31	434

YEAR FOUR			
SEMESTER TWO			
COURSE CODE	COURSE TITLE	Au per week	Au per semester
1.	EES408	Embedded Systems	56
2.	EES409	Sensor and Micro-Electro-Mechanical Systems	56
3.	EES410	Synchronous and Special Machines	56
4.	EES411	Control Engineering II	56
5.	EES412	Electrical Building Services	56
6.	EES413	Microprocessors Systems II	56
7.	EES414	Management for Engineers	42
TOTAL		27	378

YEAR FOUR			
SEMESTER THREE (LONG HOLIDAY)			
COURSE CODE	COURSE TITLE	Au per week	Au per semester
1.	EES415	Industrial Attachment II(8 Weeks)	320

YEAR FIVE				
SEMESTER ONE				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	EES500	Digital Communication	4	56
2.	EES501	Digital control	4	56
3.	EES502	Reliability Engineering	4	56
4.	EES503	Engineering Project I	4	56
POWER SYSTEM ENGINEERING OPTION				
5.	EES504	Power Systems Analysis	4	56
6.	EES505	Electrical Energy Transmission and Distribution	4	56
7.	EES506	Power System Protection	4	56
TELECOMMUNICATION AND INFORMATION ENGINEERING OPTION				
5.	EES507	Antenna Theory and Design	4	56
6.	EES508	Wireless Communication	4	56
7.	EES509	Satellite Communication	4	56
INSTRUMENTATION AND CONTROL ENGINEERING OPTION				
5.	SCS302	Artificial Intelligence	4	56
6.	EES511	Programmable Logic Controllers	4	56
7.	EES512	Biomedical Instrumentation and Systems	4	56
TOTAL			28	392

YEAR FIVE				
SEMESTER TWO				
COURSE CODE		COURSE TITLE	Au per week	Au per semester
1.	EES514	Professional Engineering Practice and Ethics	3	42
2.	EES515	Microelectronics and VLSI Design	4	56
3.	EES516	Engineering Project II	4	56
POWER SYSTEM ENGINEERING OPTION				
4.	EES517	Power Systems Economics and Planning	4	56
5.	EES518	Electrical Machines Drives	4	56
6.	EES519	Electrical Machines Design	4	56
7.	EES520	Energy Conservation and Management	4	56
TELECOMMUNICATION AND INFORMATION ENGINEERING OPTION				
4.	EES521	Microwave Solid State Devices and Circuits	4	56
5.	EES522	Optical Fibre Communication	4	56
6.	EES523	Data Communication	4	56
7.	EES524	Spread Spectrum and CDMA	4	56
INSTRUMENTATION AND CONTROL ENGINEERING OPTION				
4.	EES525	Distributed Control Systems	4	56
5.	EES526	Pneumatics and Hydraulic Systems	4	56
6.	EES527	Environmental Instrumentation	4	56
7.	EES528	Robotics and Cybernetics	4	56
TOTAL			27	378