

Computer Science - National Diploma (ND)

CURRICULUM TABLE

COMPUTER SCIENCE NATIONAL DIPLOMA

YEAR I SEMESTER 1

Course Code	Course Title	L	P	CHW	CH	Prerequisite
COM 101	Introduction to computing	2	2	4	60	None
COM 112	Introduction to Digital Electronics	2	2	4	60	None
COM 113	Introduction to Programming	2	2	4	60	None
STA 111	Descriptive Statistics I	1	2	3	45	None
STA 112	Elementary Probability Theory	2	1	3	45	None
MTH 111	Logic and Linear Algebra	1	1	2	30	None
MTH 112	Functions and Geometry	2	1	3	45	None
OTM 112	Technical English I	2	2	4	30	None
GNS 127	Citizenship Education I	2	0	2	30	None
		16	13	29	405	

YEAR I SEMESTER 2

Course Code	Course Title	L	P	CHW	CH	Prerequisite
COM 121	Scientific Programming Language using OO Java.	2	4	6	90	COM 101,113
COM 122	Introduction to the internet	2	2	4	60	COM 101
COM 123	Computer application packages I	2	4	6	90	COM 101
COM 124	Data structure and Algorithms	3	1	4	60	COM 113
COM 125	Introduction to Systems Analysis	2	1	3	45	None
COM 126	PC Upgrade & Maintenance	1	5	6	75	None
GNS 128	Citizenship Education II	2	0	2	30	GNS 127
		14	17	31	465	

YEAR II SEMESTER 1

Course Code	Course Title	L	P	CHW	CH	Prerequisite
COM 211	Computer Programming using OO Basic	2	3	5	75	COM 113
COM 212	Introduction to systems Programming	2	3	5	75	COM 101
COM 213	Commercial Programming Language using OOCOBOL	2	3	5	90	COM 113
COM 214	File Organization and Management	2	1	3	45	COM 101
COM 215	Computer Packages II	2	4	6	90	COM 123
COM 216	Computer Systems Troubleshooting I	1	4	5	75	None
OTM 217	Technical English II	2	1	3	45	OTM 101
		13	19	32	480	

YEAR II SEMESTER 2

Course Code	Course Title	L	P	CHW	CH	Prerequisite
COM 221	Computer Programming using OO FORTRAN	2	4	6	90	COM 113, COM 101
COM 222	Seminar on Computer and Society	2	-	2	30	None
COM 223	Basic Hardware Maintenance	2	3	5	75	COM 112
COM 224	Management Information system	2	2	4	45	COM 101, 103
COM 225	Web Technology	2	4	6	90	COM 122
COM 226	Computer Systems Troubleshooting II	1	4	5	75	COM 216
COM 229	Project		4	4	60	COM 123
STA 226	Small Business Start Up	2	1	2	30	None
		13	22	35	480	