

BUILDING TECHNOLOGY: CURRICULUM

The curriculum of the ND programme consists of four main components. These are:

- ✓ General Studies/Education.
- ✓ Foundation Courses.
- ✓ Professional Courses
- ✓ Supervised Industrial Work Experience Scheme (SIWES).

The General Education component should include courses in Art and Humanities -

1. English language, Citizenship Education, Social Studies – Citizenship (the Nigerian Constitution), Political Science, Sociology, Philosophy, Geography and Entrepreneurship. The General Education component shall account for not more than 15% of total contact hours for the programme.
2. Foundation Courses include courses in Economics, Mathematics, Pure Science, Technical Drawing, Descriptive Geometry, Statistics etc. The number of hours will vary with the programme and may account for about 10-15% of the total contact hours.
3. Professional Courses are course which give the student the theory and practical skills he needs to practice his profession at the technician/technologist level. These may account for between 70-80% of the total contact hours depending on the programme.
4. Supervised Industrial Work Experience Scheme (SIWES) shall be taken during the long vacation following the end of the second semester of the first year.

BUILDING TECHNOLOGY: NATIONAL DIPLOMA CURRICULUM TABLE

Below are the minimum requirements from the institution's regulators and the provision of the national Board for Technical Education (NBTE).

CURRICULUM TABLE (SEMESTER ONE)

Course Code	Course Title	Lecture	Tutorial	Practical	Course Unit	Course Hour
BLD 111	Building Science & Properties of Materials 1	1	1	2	2	2
BLD 112	Building Construction I	2	1	3	3	3
BLD 113	Workshop Practice & Technology I	-	0	2	2	2
BLD 114	Technical Drawing	1	-	2	2	4
SUG 101	Basic Principles in Surveying I	1	-	2	2	4
MTH 111	Logic and Linear Algebra	1	1	-	2	2
GNS 101	Use of English I	2	1	-	2	2
GNS 111	Citizenship Education I	2	1	-	2	2
GNS 222	Principles of Economics	2	1	-	2	2
	Total	12	6	11	23	28

CURRICULUM TABLE (SEMESTER TWO)

Course Code	Course Title	Lecture	Tutorial	Practical	Course Unit	Course Hour
BLD 121	Building Science Properties of Materials II	1	-	2	2	2
BLD 122	Building Construction II	2	-	2	3	3
BLD 123	Workshop Practice and Technology II	0	-	4	2	4
BLD 124	Introduction to Structural Mechanics	1	-	-	2	2
BLD 125	Principles of Accounts	1	-	1	2	3
BLD 126	Basic Principles of Arch Design & Drawing	1	-	1	2	2

CEC 108	Engineering Geology & Basic Soil Mechanics	1	-	2	2	2
SUG 102	Basic Principles in Surveying II	1	-	3	2	4
MTH 112	Algebra and Elementary Trigonometry	1	-	-	2	2
GNS 102	Communication in English I	2	-	-	2	2
GNS 121	Citizenship Education II	2	-	-	2	2
EED 126	Introduction to Entrepreneurship Development I	2			2	2
	Total	15	0	15	25	30

CURRICULUM TABLE (SEMESTER THREE)

Course Code	Course Title	Lecture	Tutorial	Practical	Course Unit	Course Hour
BLD 211	Introduction to Theory of Structures	2	-	-	2	2
BLD 212	Building Construction III	2	-	2	3	4
BLD 213	Workshop Practice and Technology III	-	-	4	2	4
BLD 214	Building Services	1	-	-	2	1
QUS 209	Tendering and Estimating I	1	-	-	2	1
QUS 102	Measurement of Building works	2	-	-	2	2
BLD 215	Site Management I	1	-	-	2	1
BLD 216	Principles of Law and Building Contracts	2	-	-	2	2
MTH 211	Calculus	1	-	-	2	2
BLD 217	Research Method	2	-	-	2	2
COM 101	Introduction to Computer using Packages	2	-	2	3	4
EED 216	Entrepreneurship Development II SIWES	2	-	3	2	2
	Total	18	0	11	26	27

CURRICULUM TABLE (SEMESTER FOUR)

Course Code	Course Title	Lecture	Tutorial	Practical	Course Unit	Course Hours
BLD 221	Introduction to structural design & Detailing	1	-	3	2	4
BLD 222	Building Construction IV	1	-	2	3	3
BLD 223	Workshop Practice & Technology IV	-	-	3	2	3
BLD 224	Maintenance Technology	1	-	2	3	3
ICT 102	Introduction to Programming using Visual Basic	1	-	-	2	1
QUS 201	Building Measurement II & Specification	2	-	2	3	4
QUS 210	Tendering & Estimating II	2	-	-	2	2
BLD 225	Site Management II	2	-	-	2	2
BLD 226	Project	1	-	3	4	4
		11	-	15	23	26