



## The Foundation Courses

Presented below are the major courses that undergraduate engineering/technology students are expected to take to prepare them for the different specialisations, which are expected to commence from the 3rd academic year. In cases where some more in-depth coverage of a subject matter is needed for a particular discipline (e.g. Chemical engineering where some more in-depth knowledge of chemistry may be necessary than for, example, mechanical engineering), such additional coverage can take place in the 3rd year. With this philosophical framework, the proposed courses for all engineering students mainly in the first two years of study, that is 100- and 200-levels, and few other common courses at higher levels are as presented below:

### Course structure at 100-Level

Course Code	Course Title	Units	Status	LH*	PH
GST 111	Communication in English I	2	C*	30	-
GST 112	Logic, Philosophy and Human Existence	2	R	30	-
GST 113	Nigerian Peoples and Culture	2	R	30	-
GST 121	Use of Library, Study Skills and ICT	2	C	30	-
GST 122	Communication in English II	2	C	30	-
GST 123	Basic Communication in French	2	E	30	-
GST 124	Basic Communication in Arabic	2	E	30	-
GST 125	Contemporary Health Issues	2	R	30	-
GET 111	Basic Engineering Drawing	2	C	15	4 5
CHM 101	General Chemistry I	3	C	45	-
CHM 102	General Chemistry II	3	R	45	-
CHM 107	General Practical Chemistry I	1	C	-	4 5
CHM 108	General Practical Chemistry II	1	R	-	4 5
MTH 101	Elementary Mathematics I	3	C	45	-
MTH 102	Elementary Mathematics II	3	R	45	-
PHY 101	General Physics I	3	C	45	-
PHY 102	General Physics II	3	R	45	-
PHY 107	General Practical Physics I	1	C	-	4 5
PHY 108	General Practical Physics II	1	R	-	4 5
<b>TOTAL UNITS</b>		<b>40</b>			



**NOTE:**

C =

Compulsory

E =

Elective

R = Required

LH = Lecture Hours per  
semester PH = Practical

Hours per semester



### Course structure at 200-Level

Course Code	Course Title	Units	Status	LH	PH
GST 211	Environment and Sustainable Development	2	R	30	-
GST 222	Peace and Conflict Resolution	2	R	30	-
GST 223	Introduction to Entrepreneurship	2	R	30	-
GST 224	Leadership Skills	2	R	30	-
GET 201	Applied Electricity I	3	C	45	-
GET 202	Applied Electricity II	3	C	45	-
GET 203	Engineering Drawing I	2	C	15	4 5
GET 222	Engineering Drawing II	2	C	15	4 5
GET 204	Students Workshop Experience	1	C	-	4 5
GET 205	Fundamentals of Fluid Mechanics	3	C	45	-
GET 206	Fundamentals of Thermodynamics	3	C	45	-
GET 207	Applied Mechanics	3	C	45	-
GET 208	Strength of Materials	3	C	45	-
GET 209	Engineering Mathematics I	3	R	45	-
GET 210	Engineering Mathematics II	3	R	45	-
GET 211	Computer Programming I	3	R	30	4 5
GET 212	Engineering Materials	3	R	45	-
GET 213	General Engineering Laboratory Course	1	R	-	4 5
GET 299	SIWES I	2	C	8 weeks	
<b>TOTAL</b>		<b>46</b>			

### Course structure at 300- to 500-Levels

Course Code	Course Title	Units	Status	LH	PH
GST 311	Entrepreneurship	2	R	30	-
GET 301	Engineering Mathematics III	3	R	45	-
GET 302	Engineering Mathematics IV	3	R	45	-
GET 303	Engineering in Society	2	R	30	-
GET 304	Engineering Communication	2	R	30	-
STA 305	Statistics for Physical Science and	3	C	4	-



	Engineering			5	
MEE 331	Engineering Drawing III	3	C	15	90
GET 501	Engineering Management	3	C	45	-
GET 502	Engineering Law	2	R	30	-
GET 399	SIWES II	3	C		12 weeks
GET 499	SIWES III	6	C		24 weeks
<b>TOTAL</b>		<b>32</b>			