



FEDERAL UNIVERSITY OF TECHNOLOGY
AKURE, ONDO STATE
NIGERIA

DEPARTMENT OF BIOCHEMISTRY

100 Level 1st Semester					
Course Codes	Course Title	L	T	P	U
PHY 101	General Physics I	2	1	-	3
PHY 103	General Physics III	2	-	-	2
PHY 107	General Physics Laboratory I I	-	-	3	1
CHE 101	General Chemistry I	2	1	3	4
BIO 101	General Biology I I	2	1	3	4
IMC 101	Elementary Mathematics I	2	1	-	3
MEE 101	Engineering Drawing I	1	1	6	3
GNS 101	Use of English I	1	1	-	2
.	TOTAL	-	-	-	22
100 Level 2nd Semester					
PHY 102	General Physics III	2	1	-	3
PHY 108	General Physics Laboratory II	-	-	3	1
CHE 102	General Chemistry II	3	1	-	4
BIO 102	General Biology II	2	1	3	4
IMC 102	Elementary Mathematics III	2	1	-	3
MEE 102	Workshop Practice	-	-	6	2
GNS 102	Use of English II	1	1	-	2
GNS 104	Information Retrieval	1	-	-	1
GNS 106	Logic and Philosophy	2	-	-	2
.	TOTAL	-	-	-	22
200 Level 1st Semester					
BCH 201	General Biochemistry I	2	-	3	3
CHE 205	Physical Chemistry I	1	-	3	2
CHE 203	Organic Chemistry I	1	-	3	2
CHE 201	Inorganic Chemistry I	1	-	3	2
MCB 201	General MicroBiology I	2	-	3	3
BIO 201	Genetics I	1	-	3	2

CSP 201	General Agriculture	1	-	-	1
IMC 201	Mathematical Method II	2	1	-	3
.	TOTAL	-	-	-	18
200 Level 2nd Semester					
BCH 202	General Biochemistry II	2	-	3	3
BIO 204	Biological Techniques	1	-	3	2
IMC 224	Statistics for Biological Sciences	4	-	-	4
IMC 142	Introduction to Computer Science	1	-	6	3
CHE 202	Analytical Chemistry I	1	-	3	2
CSP 210	General Agriculture II	-	-	6	2
GNS 202	Principles of Economics	2	-	-	3
.	TOTAL	-	-	-	18
300 Level 1st Semester					
BCH 301	Food Biochemistry II	1	-	-	1
BCH 303	Membrane Biochemistry	1	-	-	1
BCH 305	Nutritional Biochemistry	1	-	-	1
CHE 305	Physical Chemistry III	1	-	3	2
CHE 303	Organic Chemistry III	3	-	3	4
MCB 303	Microbial Genetics	2	1	3	4
CHE 315	Instrumental Method of Analysis	1	-	3	2
IMC 241	Computer Programming I	3	-	3	3
.	TOTAL	-	-	-	18
Elective					
MCB 407	Food Microbiology	1	-	3	2
300 Level 2nd Semester					
BCH 302	Metabolism of Carbohydrates	2	-	-	2
BCH 304	Metabolism of Amino Acid & Protein	2	-	-	2
BCH 306	Methods In Biochemistry	1	-	-	1
BCH 312	Enzymology	2	1	-	3
BCH 314	Bioenergetics	1	-	-	1
BCH 310	Metabolism of Lipids	2	-	-	2
BCH 308	Metabolism of Nucleic Acids	2	-	-	2
BCH 316	General Biochemical Methods	-	-	6	2
.	TOTAL	-	-	-	15
Electives					
***BIO 314	Environmental Microbiology	1	-	3	2

***BIO 318	Microbial Physiology and Metab	2	-	-	3
400 Level 1st Semester					
BCH 401	Advanced Enzymology	1	1	-	2
BCH 407	Biosynthesis of Macromolecules	1	-	-	1
BCH 411	BioInorganic Chemistry	1	-	-	1
BCH 413	Genetic Engineering	1	-	-	1
BCH 405	Plant Biochemistry	2	-	-	2
BCH 415	Biochemical Reasoning	1	-	-	1
BCH 409	Advanced Biochemical Methods	-	-	6	2
BCH 403	Biochemical Toxicology I	3	-	-	3
.	TOTAL	-	-	-	13
Electives					
BCH 417	Biochemistry of Parasites	2	-	-	2
**BIO 417	Industrial Microbiology	2	1	3	4
APH 509	Immunology & Serology	2	-	3	3
**BIO 421	Pharmaceutical Microbiology	2	-	-	2
		1	-	3	3
400 Level 2nd Semester					
Students' Industrial Attachment					
BCH 402	Site Supervisor's Assessment	-	-	12	4
BCH 404	University Supervisor's Assessment	-	-	12	2
BCH 406	Students Seminar Report presentation)	-	-	12	4
.	TOTAL	-	-	-	10</B<<td>
500 Level 1st Semester					
CHE 501	Student Project	-	-	9	3
CHE 502	Seminar	-	2	-	2
.	Total	-	-	-	5
500 Level 2nd Semester					
BCH 501	Metabolic Regulation	2	-	-	2
BCH 503	Pharmacological Biochemistry	1	1	-	2
BCH 505	Enzyme Biotechnology	2	-	3	3
BCH 511	Research Project	-	-	-	3
BCH 507	Industrial Biochemistry	2	1	-	3
BCH 509	Biophysics	2	-	-	2
.	TOTAL	-	-	-	15

Electives					
GNS 501	WIndustrial Management	2	-	-	2
500 Level 2nd Semester					
BCH 508	Special Topics/Seminars in Biochemistry	-	-	2	-
BCH 504	Advanced Biotechnology	2	-	3	3
BCH 510	Tissue Biochemistry	1	-	-	1
BCH 512	Process Biochemistry	3	-	-	3
BCH 506	Biomass Utilization	2	-	-	2
BCH 511	Research Project	-	-	-	3
BCH 502	Biochemical Toxicology II	2	-	-	2
.	TOTAL	-	-	-	16
**Subject to Change					