

Course breakdown by Year and Semester

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Where; L= Lecture, T= Tutorial, L/P = Laboratory/ Practice and HS = Home Study

Year I Semester I

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Mathematics for Natural Sciences	Math 1011	5	3	0	2	5
2	Communicative English Skills I	FLEn1011	5	3	0	0	7
3	Geography of Ethiopia and the Horn	GeES1011	5	3	0	0	7
4	General Physics	Phys1011	5	2	1	0	7
5	General Psychology	Psch1011	5	3	0	0	7
6	Critical Thinking	LoCT1011	3	3	0	0	7
7	Physical Fitness	SpSc 1011	P/F	1	0	1	0
Total			28	18	1	3	40

Year I Semester II

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Communicative English Language Skills II	FLEn1012	5	3	0	0	7
2	Social Anthropology	Anth1012	4	2	0	0	6
3	Applied Mathematics-I	Math 1012	5	3	0	3	4
4	Entrepreneurship	MgMt1012	5	2	0	3	5
5	Moral and Civic Education	MciE1012	4	2	3	0	5
6	Introduction to Emerging Technology	EmTe1012	5	2	0	3	5
7	Computer Programming	ECEg1052	5	2	0	3	5
Total			33	16	3	12	37

Year II Semester I

S.N	Course Title	Course Code	CP	L	P	T	HS
1	Engineering Mechanics (statics)	CEng2061	5	2	0	3	5
2	Engineering Drawing	MEng2031	5	2	0	3	5
3	Applied Mathematics II	Math 2041	5	3	0	3	4
4	Probability and Statistics for Engineers	Stat2041	5	2	0	3	5
5	Global Trends	GITr-2011	4	2	0	3	3
6	Inclusiveness	Incl2011	4	2	0	2	4
7	Introduction to Economics	Econ2021	5	2	0	3	5
Total			33	15	0	20	31

Year II semester II

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Applied Mathematics III	Math 2044	5	3	0	3	4
2	Food Engineering Drawing	FEng 2072	3	2	3	0	1
3	Transport Phenomena	FEng2086	5	2	0	3	5
4	Fundamentals of Food Process Engineering	Feng2088	5	2	0	3	5
5	Engineering Properties of Food Materials	FEng 2082	4	2	0	3	3
6	Food Chemistry	FEng 2052	5	3	3	0	4
7	Food Microbiology	FEng 2054	5	3	3	0	4
Total			32	17	9	12	26

Year III Semester I

S. No.	Course Name	Course Code	C P	L	L/P	T	H S
1	Fundamental of Electrical Machine and Electronics	EEng 3071	4	2	3	0	3
2	Food Biotechnology	FEng 3113	5	3	3	0	4
3	Food Analysis	FEng 3055	4	2	3	0	3
4	Mechanical Unit Operation	FEng 3061	5	3	0	3	4
5	Applied Thermodynamics	FEng 3081	5	3	0	3	4
6	Meat, Poultry and Fish Processing Technology	FEng 3101	5	3	3	0	4
7	Grain Processing Technology	FEng 3091	5	3	3	0	4
Total			33	19	15	6	26

Year III Semester II

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Food Machinery and Equipment Design	FEng3082	4	2	0	3	3
2	Dairy Processing Technology	FEng3102	4	3	2	0	3
3	Heat Transfer Unit Operation	FEng3062	5	3	0	3	4
4	Fluid Mechanics	FEng3082	5	3	0	3	4
5	Process Control and Instrumentation	FEng3072	5	3	3	0	4
6	Fat and Oil Processing Technology	FEng3102	4	2	3	0	3
7	Fruits and Vegetables Processing Technology	FEng3092	5	3	3	0	4
Total			32	19	11	9	25

Year IV Semester I

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Mass Transfer Unit Operation	FEng 4061	5	2	0	3	5
2	Numerical Methods	FEng 4121	5	3	3	0	4
3	Fundamentals of Reaction Kinetics and Reactor Design	FEng 4111	5	3	0	3	4
4	Sugar and Confectionary Processing Technology	FEng 4091	5	3	3	0	4
5	Beverage Processing Technology	FEng 4091	5	3	3	0	4
6	Fundamentals of Human Nutrition and Food Fortification	FEng 4151	4	3	3	0	2
7	Food Product Development and Sensory Evaluation	FEng 4151	5	3	3	0	4
Total			34	20	15	6	27

Year IV Semester II

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Biochemical Engineering	FEng4112	5	3	0	3	4
2	Food Plant Design and Economics	FEng4132	5	3	0	3	4
3	Computer Aided Food Process Design and Simulation	FEng4122	5	3	3	0	4
4	Food Plant Sanitation and Waste Treatment	FEng4132	4	3	2	0	3
5	Food Quality and Safety Management	FEng4142	3	3	0	0	3
6	Food Packaging Technology	FEng4152	3	3	0	0	3
7	Research Methodology and Experimental Design	FEng4172	4	3	2	0	3
Total			29	21	7	6	24

Year V Semester I

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Holistic Exam	FEng 5161	P/F	0	0	0	0
2	Internship	FEng 5163	30	0	40	0	20
Total			30	0	40	0	20

Year V Semester II

S. No.	Course Name	Course Code	CP	L	L/P	T	HS
1	Coffee, Tea and Spices Processing Technology	FEng5192	4	2	3	0	3
2	Food Toxicology	FEng5142	3	3	0	0	3
3	Industrial Management	MgMt5022	3	3	0	0	3
4	Final Year Project	FEng 5172	10	1	10	0	3
Total			20	9	13	0	12