

BS Food Science and Nutrition

Semester 1

Course Code	Course Title	Credit Hours
Major courses		
FSN-301	Introduction to Food Science and Technology	3(3-0)
FSN-303	Fundamentals of Human Nutrition	3(3-0)
FSN-305	Food Processing and Preservation	3(2-1)
FSN-307	Introduction to Food Service Management	3(2-1)
Minor courses		
ENG-321	EAP (English for Academic Purposes)	3(3-0)
CSI-101	Introduction to Information & Communication Technologies	3(2-1)
Total		18

Semester 2

Course Code	Course Title	Credit Hours
Major courses		
FSN-302	Basics of Food Microbiology	3(2-1)
FSN-304	Food Business Management	3(3-0)
FSN-306	Dietetics – I	3(2-1)
Minor courses		
ENG-322	Reading, Writing, Speaking and Listening Skills	3(3-0)
ISL-446	Islamic Studies/Ethics	2(2-0)
CHM-306	Biochemistry	4(3-1)
Total		18

Semester 3

Course Code	Course Title	Credit Hours
Major courses		
FSN-401	Metabolism of Nutrients	3(3-0)
FSN-403	Food Chemistry	3(3-0)

FSN-405	Food Analysis	3(1-2)
FSN-407	Unit Operations in Food Industry	3(2-1)
Minor courses		
ZOL-201	Human Physiology	3(2-1)
PST-322	Pakistan Studies	3(3-0)
Total		18

Semester 4

Course Code	Course Title	Credit Hours
Major courses		
FSN-402	Sensory Evaluation of Foods	3(2-1)
FSN-404	Food Quality Management	3(3-0)
	Food Process Engineering	
FSN-406	Dietetics – II	3(2-1)
Minor courses		
ZOL-202	Fundamentals of Human Anatomy	3(2-1)
BNB-564		3(2-1)
STA-351	Introduction to Statistical Theory	3(3-0)
Total		18

MAJOR: FOOD SCIENCE & TECHNOLOGY

Semester 5

Course Code	Course Title	Credit Hours
FST-501	Food Toxicology	2(2-0)
FST-503	Postharvest Technology	3(3-0)
FST-505	Cereal Technology	3(2-1)
FST-507	Sugar Technology	3(2-1)
FST-509	Technology of Fats and Oils	3(2-1)
FST-511	Dairy science and technology	3(2-1)
FST-513	Meat technology	3(2-1)

Total		20
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Semester 6

Course Code	Course Title	Credit Hours
FST-502	Beverage Technology	3(2-1)
FST-504	Confectionery and Snack Foods	3(2-1)
FST-506	Baking science and Technology	3(2-1)
FST-508	Fruit and Vegetable Processing	3(2-1)
FST-510	Food Biotechnology	3(3-0)
FST-512	Food Product Development	3(1-2)
FST-514	Sea Food Processing Technology	3(2-1)
Total		21

Semester 7

Course Code	Course Title	Credit Hours
FST-601	Milk and milk products	3(2-1)
FST-603	Food Laws and Regulations	3(3-0)
FST-605	Food Packaging	3(2-1)
FST-607	Poultry and Egg Processing	3(2-1)
FST-619	Research Projects and Scientific Writing	2(1-1)
ENG-601	EFE (English for Employment)	3(3-0)
	Entrepreneurship	3()
Total		20

Semester 8

Course Code	Course Title	Credit Hours
FST-632	Internship and Report Writing	10(0-10)
Total		10
Total Credit Hours		143

MAJOR: NUTRITION & DIETETICS

Semester 5

Course Code	Course Title	Credit Hours
NAD-501	Community nutrition	3(2-1)
NAD-503	Nutrition Policy and Public Health	3(3-0)
NAD-505	Nutrition through the Life Cycle	3(3-0)
NAD-507	Functional foods and nutraceuticals	3(3-0)
NAD-509	Sports and Exercise Physiology	3(2-1)
NAD-511	Vitamins in Human Nutrition	3(3-0)
NAD-513	Mineral in Human Nutrition	3(3-0)
Total		21

Semester 6

Course Code	Course Title	Credit Hours
NAD-502	Food safety	3(2-1)
NAD-504	Diet Modelling and Counselling	3(2-1)
NAD-506	Extraction of Bioactive Compounds	2(1-1)
NAD-508	Introduction to Pathology	3(2-1)
NAD-510	Nutritional Deficiency Disorders	3(3-0)
NAD-512	Clinical Biochemistry	3(1-2)
NAD-514	Clinical Nutrition Assessment	3(2-1)
Total		20

Semester 7

Course Code	Course Title	Credit Hours
NAD-601	Nutrient Drug Interaction	3(3-0)
NAD-603	Nutrition in Emergency	3(3-0)
NAD-605	Infant and Young Child Feeding	3(2-1)

NAD-607	Microbiology of Infectious Disease	3(3-0)
NAD-609	Nutrition Essentials for Nursing	3(3-0)
NAD-611	Research Projects and Scientific Writing	2(1-1)
ENG-601	EFE (English for Employment)	3(3-0)
Total		20

Semester 8

Course Code	Course Title	Credit Hours
NAD-632	Internship and Report Writing	10(0-10)
Total		10
Total Credit Hours		143