

# BS (4 Years) Food Science & Nutrition

(4 Years)  
8 Semesters

Total Credit Hours 130

## Eligibility Criteria

Fsc / A level or equivalent with Biology and Chemistry  
Minimum 45% marks at intermediate level or equivalent.

## Scheme of Studies Food Science & Nutrition

Course No.	Title of Course	Credit Hours
<b>1<sup>st</sup> Semester</b>		
FSN-301	Principles of Human Nutrition	2 (2+0)
FSN-302	Introduction to Food Science	3(2+1)
FSN-303	General Microbiology I	3 (2+1)
ENG-1	English I	3 (3+0)
ITC-1	Introduction to Computer Science	3(2+1)
PS-1	Pakistan Studies	3 (3+0)
Total		17
<b>2<sup>nd</sup> Semester</b>		
FSN-304	Macronutrients in Human Nutrition	3(3+0)
ENG-II-3204	English-II	3(3+0)
Isl -3202	Islamic Studies	3(3+0)
FSN-305	Food Chemistry	3(3+0)
FSN-306	Unit Operation in Food Processing	3(2+1)
FSN-307	General Microbiology II	3(2+1)
Total		18
<b>3<sup>rd</sup> Semester</b>		
FSN-401	Micronutrients in Human Nutrition	3(3+0)
FSN-402	Food Biotechnology	3(2+1)
FSN-403	Confectionery and Snack Foods	3(2+1)
FSN-404	Food Processing and Preservation	3(2+1)
FSN-405	Food Microbiology	3(2+1)
BS-1	Bio-Statistics	3(3+0)
Total		18

Course No.	Title of Course	Credit Hours
<b>4<sup>th</sup> Semester</b>		
FSN-406	Food Safety and Quality Management	3(3+0)
FSN-407	Beverage Technology	3(2+1)
FSN-408	Nutrition Through the Life Cycle	3(3+0)
FSN-409	Post-Harvest Technology	3(2+1)
FSN-410	Cereal Technology	3(2+1)
Total		15
<b>5<sup>th</sup> Semester</b>		
FSN-501	Food Packaging	3(2+1)
FSN-502	Sensory Evaluation of Foods	3(2+1)
FSN-503	Food Safety	3(3+0)
FSN-504	Milk and Meat Hygiene and Public Health	3(2+1)
FSN-505	Food and Drug Laws	2(2+0)
FSN-506	Assessment of Nutritional Status	3(2+1)
Total		17
<b>6<sup>th</sup> Semester</b>		
FSN- 601	Food Additives	3(2+1)
FSN-602	Food Supplements	2(2+0)
FSN-603	Nutritional Education & Awareness	3(2+1)
FSN-604	Dairy Technology	3(2+1)
FSN-605	Food Product Development	3(2+1)
FSN-606	Nutrition Through Social Protection	3(3+0)
Total		17
<b>7<sup>th</sup> Semester</b>		
FSN-701	Instrumental Techniques in Food Analysis	3(2+1)
FSN-702	Clinical Biochemistry	3(2+1)
FSN-703	Global Food Issues	3(3+0)
FSN-704	Research Projects and Scientific Writing	3(2+1)
FSN-705	Nutritional Practices in Clinical Care	3(2+1)
<b>Total</b>		15
<b>8<sup>th</sup> Semester</b>		
FSN- 801	Nutrition Policies and Program	3(3+0)
FSN- 802	Food Services and Management	3(3+0)
FSN-803	Food Toxins & Allergens	3(2+0)
FSN- 804	Internship and Report Writing	4(0+4)
Total		13