

Study Modules for B. Sc. in Food Science and Engineering (for Regular Students)

Module	Module Name	Credit Hours (CH) and Semester							
		1	2	3	4	5	6	7	8
FSE-111	Introduction to Food Science and Engineering	3							
FSE-111L	Introduction to Food Science and Engineering Laboratory	1							
FSE -112	Mathematics I: Analysis	3							
FSE -113	Physics	3							
FSE -113L	Physics Laboratory	1							
FSE -114	Inorganic Chemistry	3							
FSE -114L	Inorganic Chemistry Laboratory	1							
FSE -115	Bangladesh Studies	3							
FSE -121	Principles of Biology		3						
FSE -121L	Principles of Biology Laboratory		1						
FSE -122	Organic Chemistry		3						
FSE -122L	Organic Chemistry Laboratory		1						
FSE -123	Construction and Material for Food Science and Engineering		3						
FSE -124	Mathematics II: Linear Algebra		3						
FSE -125	Communicative English		3						
FSE -126	Principles of Food Processing and Preservation		2						
FSE-211	Thermodynamics and Heat Engine			3					
FSE-212	Unit Operation and Processing in Food Industries			3					
FSE-212L	Unit Operation and Processing in Food Industries Laboratory			1					
FSE-213	Computer Application			3					
FSE-213L	Computer Application Laboratory			1					
FSE-214	Microbiology for Food Science and Engineering-I			3					
FSE-214L	Microbiology for Food Science and Engineering-I Laboratory			1					
FSE-215	Biochemistry			3					
FSE-215L	Biochemistry Laboratory			1					
FSE -216	Mechanical Design of Food Processing Equipment			2					
FSE-221	Microbiology for Food Science and Engineering-II				3				
FSE-221L	Microbiology for Food Science and Engineering-II Laboratory				1				
FSE-222	Fluid Mechanics and Hydraulics				3				
FSE-222L	Fluid Mechanics and Hydraulics Laboratory				1				
FSE-223	Information Technology for Food Engineering				3				
FSE-224	Food Chemistry				3				
FSE-224L	Food Chemistry Laboratory				1				
FSE-225	Engineering Properties of Food Materials				2				
FSE-226	Technology of Fruit and Vegetable Products				2				
FSE-226L	Technology of Fruit and Vegetable Products Lab.				1				
FSE-311	Food Industrial Waste Management					3			
FSE-311L	Food Industrial Waste Management Laboratory					1			
FSE-312	Thermal and Mechanical Procedure and Processing Technology						3		

28/07/2018
 Mohibur Ahamed
 Assistant Professor
 Department of Food Science and Technology
 Bangladesh University of Professionals, Dhaka

FSE-312L	Thermal and Mechanical Procedure and Processing Technology Laboratory					1			
FSE-313	Refrigeration and Cold Storage Engineering					3			
FSE-313L	Refrigeration and Cold Storage Engineering Laboratory					1			
FSE-314	Beverage and Tea Technology					3			
FSE-314L	Beverage and Tea Technology Laboratory					1			
FSE-315	Energy, Impulse and Material Transport					3			
FSE-316	Technology of Cereal and Legume Products ✓					2			
FSE-321	Meat, Fish and Poultry Processing						3		
FSE-321L	Meat, Fish and Poultry Processing Laboratory						1		
FSE-322	Confectionary and Snack foods Processing and Preservation						3		
FSE-322L	Confectionary and Snack foods Processing and Preservation Laboratory						1		
FSE-323	Statistics In Food Science and Engineering ✓						2		
FSE-323L	Statistics In Food Science and Engineering Laboratory ✓						1		
FSE-324	Food Processing Plant Design and Management						3		
FSE-325	Food Nutrition and Dietetics						3		
FSE-325L	Food Nutrition and Dietetics Laboratory						1		
FSE-411	Food Packaging Engineering							3	
FSE-411L	Food Packaging Engineering Laboratory							1	
FSE-412	Electro Technique and Measuring Control Technology							3	
FSE-412L	Electro Technique and Measuring Control Technology Laboratory							1	
FSE-413	Food Hygiene and Sanitation							3	
FSE-414	Introduction to Economics							3	
FSE-415	Dairy Engineering							3	
FSE-415L	Dairy Engineering Laboratory							1	
FSE-416	Food Biotechnology ✓							2	
FSE-416L	Food Biotechnology Laboratory ✓							1	
FSE-421	Food Safety and Quality Control								3
FSE-422	Food Laws and Regulations								3
FSE-423	Project Management in Food Science and Engineering								3
FSE-424	Professional Development and Marketing Management								3
FSE-428	Bachelor Thesis Work/ Project Work								4
FSE-429	Industrial Attachment Training and Viva Voce	✓	✓	✓	✓	✓	✓	✓	2
Total Credit Hours: 156 ✓		18	19	21	20	21	18	21	18

28/02/29
 Mohibul Ahsan
 Senior Asst Director
 University Grants Commission of Bangladesh
 Sher E Bangladesh, Agrabad, Dhaka 1207.