

## Major Sheet for B.Sc. in Food Science

<b>I. Readiness Program</b>			
<b><u>SUBJ</u></b>	<b><u>CRN</u></b>	<b><u>CRD</u></b>	<b><u>TITLE</u></b>
ELU	96	0	Module 1
ELU	106	4	Module 2
<b>II. General Education Requirements (48 Credits)</b>			
<b><u>SUBJ</u></b>	<b><u>CRN</u></b>	<b><u>CRD</u></b>	<b><u>TITLE</u></b>
<b><i>Culture &amp; Society Domain (12 Credits)</i></b>			
CLS	130	3	Ethics & Practices
HIS	102	3	History of Arabic & Islamic Civilization [A]
<i>Students select 2 courses (6 Credits) from the following</i>			
CLS	120	3	Humans & Their Environment
CLS	220	3	Social & Economic Trends in the Gulf
CLS	221	3	Social Perspectives on Environmental Issues
FSN	103	3	Psychology in Everyday Life
FSN	108	3	Nutrition & Food Safety Issues in Kuwait
<b><i>Language &amp; Communication Domain (15 Credits)</i></b>			
CLS	100	3	Arabic Language [A]
CLS	103	3	Arabic Writing & Presentation Skills [A]
ELU	126	3	Academic Writing & Research Skills
ELU	146	3	Academic Oral Skills
<i>Students select 1 course (3 credits) from the following</i>			
CLS	131	3	Introduction to Communications & Media
CLS	230	3	Fundamentals of Interpersonal Communication
CLS	253	3	Technical Writing
CSL	211	3	Introduction to Linguistics
<b><i>Leadership Competency Domain (6 Credits)</i></b>			
<i>Students select 2 courses (6 Credits) from the following</i>			
CLS	135	3	Leadership Development
CLS	139	3	Introduction to Environmental Technology Management
CLS	161	3	Introduction to Entrepreneurship
CLS	260	3	Career Perspective
<b><i>Science, Health, and Technology Domain (15 Credits)</i></b>			
CLS	107	3	College Algebra
CLS	108	3	Applied Calculus
CLS	203	3	Statistics for Life Sciences
CLS	111	3	Computers in Life Sciences
<i>Students select 1 course (3 Credits) from the following</i>			
CLS	101	3	Introduction to Environmental Sciences
CLS	109	3	Statistics
CLS	110	3	Personal Fitness & First Aid
CLS	125	3	Chemistry & Our World
CSL	131	3	Introduction to Communication Disorders
FSN	102	3	Foundations of Food Science and Nutrition
FSN	104	3	The Human Body
FSN	105	3	Personal Nutrition & Women's Health Issues

**III. Nutrition & Food Science Core Requirements (44 Credits)**

<u>SUBJ</u>	<u>CRN</u>	<u>CRD</u>	<u>TITLE</u>
CLS	104	3	Biology**
CLS	105	3	Chemistry**
FSN	106	3	Chemistry for Life Sciences
FSN	110	3	Introduction to Human Nutrition & Food Science**
FSN	202	3	Biochemistry
FSN	207	4	Microbiology
FSN	206	4	Organic Chemistry
FSN	220	3	Nutrition in Life Cycle
FSN	311	4	Food Microbiology
FSN	315	4	Food Chemistry
FSN	352	3	Food Safety & Food Regulations
FSN	494	1	Seminar: Current Issues in Food & Nutrition
FSN	495	3	Internship
FSN	499	3	Capstone Project

**IV. Food Science Major Requirements (31 Credits)***Required [22 Credits]*

<u>SUBJ</u>	<u>CRN</u>	<u>CRD</u>	<u>TITLE</u>
FSN	111	3	General Physics
FSN	330	3	Principles of Food Processing
FSN	331	3	Food Analysis
FSN	353	4	Food Processing Technology
FSN	432	3	Quality Control in Food Industry
FSN	433	3	Principles of Food Process
FSN	455	3	Food Product Development Engineering

*Electives [Select 9 Credits]*

FSN	203	3	Elementary Physical Chemistry
FSN	345	3	Cultural, Social & Global Nutrition Issues
FSN	451	3	Application of Information Systems in Food Science
FSN	454	3	Enzyme Applications in Food Industry
FSN	490	3	Special Topics in Nutrition & Food Science

**V. Support of Major Area (0 Credits)**

FSN	88	0	Portfolio Review
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**VI. Free Electives (6 Credits)**

Students select 2 courses (6 credits) offered in the College or University

Requirements for Graduation: 129 – 133 credits

ELU = English Language Unit. CLS = College of Life Sciences. AAD = Art and Design. CSL= Communication Science and Languages. FSN = Food Science and Nutrition. ISC = Information Science. [A] = Taught in Arabic Language. \*\*If this course is chosen as General Education, another course must be selected from the departmental electives.