



Department of Food Science

Bachelor of Science in Food Science Model Study Plan (2020-2021 Cohort onwards)

For Students Admitted to the University in the Fall Semester Total Degree Credit hours: 120

Semester	Course Code	Course Title	СН	Course type
_	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
1 (Fall)	CHEM111	General Chemistry I	3	Specialization
	ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
—	PHI180	Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
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Year	FDSC260	Principles of Food Science	3	Specialization
2	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
_	CHEM112	General Chemistry II	2	Specialization
(Spring)	CHEM115	General Chemistry Lab	1	Specialization
(Spiring)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
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2	BIOE230	Microbiology	3	Specialization
3	FDSC355	Food Processing	3	Specialization
/ E = 11\	CHEM282	Organic Chemistry for Non-Majors	3	Specialization
(Fall)	FDSC319	Food packaging	3	Specialization
<u> </u>	ISLM100	Islamic Culture	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
Year 2	EDCC240	For ad Million biology.	15 3	Consistination
≻ 4	FDSC340 STAT235	Food Microbiology Statistics for Biology	3	Specialization College Requirement
4	CHEM283	Biochemistry for Non-Majors	3	
(Caring)	FDSC347	Food Process Engineering I	3	Specialization Specialization
(Spring)	Elective	Student choice	3	Major Elective
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	ARAG323	Post-Harvest Physiology of Plant and Animal Systems	3	Specialization
_	ARAG323 FDSC309	Post-Harvest Physiology of Plant and Animal Systems Sensory evaluation	3	Specialization Specialization
5	FDSC309	Sensory evaluation	3	Specialization
(Fall)	FDSC309 FDSC350	Sensory evaluation Food Chemistry	3	Specialization Specialization
(Fall)	FDSC350 FDSC351	Sensory evaluation Food Chemistry Food Plant Sanitation	3 3 3	Specialization Specialization Specialization
(Fall)	FDSC309 FDSC350 FDSC351 PHYS105	Sensory evaluation Food Chemistry Food Plant Sanitation General Physics I	3 3 3 3	Specialization Specialization Specialization Specialization Specialization
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(Fall)	FDSC309 FDSC350 FDSC351 PHYS105 Elective FDSC453 FDSC450 Elective Elective Elective	Sensory evaluation Food Chemistry Food Plant Sanitation General Physics I Student choice Quality Control and Assurance Food Analysis Student choice	3 3 3 3 3 18 3 3 3	Specialization Specialization Specialization Specialization Specialization Major Elective Specialization Major Elective Major Elective Major Elective Major Elective
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Department of Integrative Agriculture

Bachelor of Science in Food Science Model Study Plan (2020-2021 Cohort onwards)

For Students Admitted to the University in the Spring Semester Total Degree Credit hours: 120

CFEMILIS Sustainability 3 Specialization Specia	Semester	Course Code	Course Title	СН	Course type
Spring Spring Spring Introduction to Academic English For Food & Agriculture 3 Gen Ed Course (Cluster 1 Area 2: English Communication) Spring		GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
Spring Spring Spring Introduction to Academic English For Food & Agriculture 3 Gen Ed Course (Cluster 1 Area 2: English Communication) Spring	_	CHEM111	General Chemistry I	3	Specialization
FDSC260 Principles of Food Science 3 Specialization (Fall) Basic Biology 1 3 Gene Ed Course (Cluster 1: Area 1: Natural Sciences) (Fall) General Chemistry 11 2 Specialization CHEM115 General Chemistry 11 2 Specialization CHEM115 General Chemistry 12 Specialization CHEM115 General Chemistry 12 Student choice 3 Gene Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences) BIOE230 Microbiology 3 Specialization FDSC335 Food Processing 3 Specialization GHEM282 Organic Chemistry for Non-Majors 3 Specialization FDSC339 Sensory evaluation 3 Specialization FDSC399 Sensory evaluation 3 Specialization FDSC399 Food Packaging 3 Specialization FDSC399 Food Packaging 3 Specialization FDSC390 Food Packaging 3 Specialization FDSC390 Food Packaging 3 Specialization GELECTIVE Student Choice 3 Gene Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) FDSC390 Food Organic Chemistry for Non-Majors 3 Specialization FDSC390 Food Organic Chemistry for Non-Majors 3 Specialization FDSC390 Food Packaging 3 Specialization FDSC390 Food Organic Chemistry for Non-Majors 3 Specialization FDSC390 Food Microbiology 3 Specialization FDSC390 Food Analysis 5 Specialization 5 Food		ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1 Area 2: English Communication)
FDSC260 Principles of Food Science 3 Specialization (Fall) Basic Biology 1 3 Gene Ed Course (Cluster 1: Area 1: Natural Sciences) (Fall) General Chemistry 11 2 Specialization CHEM115 General Chemistry 11 2 Specialization CHEM115 General Chemistry 12 Specialization CHEM115 General Chemistry 12 Student choice 3 Gene Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences) BIOE230 Microbiology 3 Specialization FDSC335 Food Processing 3 Specialization GHEM282 Organic Chemistry for Non-Majors 3 Specialization FDSC339 Sensory evaluation 3 Specialization FDSC399 Sensory evaluation 3 Specialization FDSC399 Food Packaging 3 Specialization FDSC399 Food Packaging 3 Specialization FDSC390 Food Packaging 3 Specialization FDSC390 Food Packaging 3 Specialization GELECTIVE Student Choice 3 Gene Ed Course (Cluster 2: Area 1: Humanities and Fine Arts) FDSC390 Food Organic Chemistry for Non-Majors 3 Specialization FDSC390 Food Organic Chemistry for Non-Majors 3 Specialization FDSC390 Food Packaging 3 Specialization FDSC390 Food Organic Chemistry for Non-Majors 3 Specialization FDSC390 Food Microbiology 3 Specialization FDSC390 Food Analysis 5 Specialization 5 Food	(Spring)	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
Post Carbon Principles of Food Science 3 Specialization Student choice 3 Specialization	(36,11.8)	PHI180	Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
Comparison of the Course (Cluster 2: Area 2: Social and Behavioral Sciences)	_			15	
Comparison of the Course (Cluster 2: Area 2: Social and Behavioral Sciences)	ea	FDSC260	Principles of Food Science	3	Specialization
(Fall) General Chemistry III 2 Specialization 1 1 1 1 1 1 1 1 1	≻ າ	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
Specialization Spec		CHEM112	General Chemistry II	2	Specialization
3 Specialization Sp	/Eall\	CHEM115	General Chemistry Lab	1	Specialization
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Comparison Chemistry for Non-Majors 3 Specialization Statistics for Biology Statistics for Biology 3 Specialization Specializ	3	FDSC355	Food Processing	3	Specialization
FDSC319 Food packaging 3 3 Specialization Statistics for Biology 3 3 Specialization Specia		CHEM282	Organic Chemistry for Non-Majors	3	Specialization
FDSC319 Food packaging 3 3 Specialization Statistics for Biology 3 3 Specialization Specia	(Spring)	FDSC309	Sensory evaluation	3	Specialization
STAT235 Statistics for Biology 3 College Requirement		Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
STAT235 Statistics for Biology 3 College Requirement	a			15	
CHEM283 Biochemistry for Non-Majors 3 Specialization Specializat		FDSC319	Food packaging	3	Specialization
Fall ARAG323 Post-Harvest Physiology of Plant and Animal Systems 3 Specialization	4	STAT235	Statistics for Biology	3	College Requirement
FDSC350 Food Chemistry 3 Specialization		CHEM283	Biochemistry for Non-Majors	3	Specialization
FDSC350 Food Chemistry 3 Specialization	(Fall)		Post-Harvest Physiology of Plant and Animal Systems	3	Specialization
FDSC430 Food Microbiology Spring) (Spring)	()	FDSC350	Food Chemistry	3	Specialization
Spring Student choice 3 Major Elective Student choice 3 Specialization Student Culture 3 Gen Ed Course (Cluster 2: Area 4: Islamic Culture) Student choice 3 Free Elective Student choice 3 Major Elective Student choice 3 Free Elective Student choice Specialization					
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