Department of Nutrition and Health
Bachelor of Science in Nutritional Sciences Model Study Plan (2022-2023 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
	ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1: Area 2: English Communication)
1	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)
_	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)
(Fall)	CHEM111	General Chemistry I	3	Specialization
(1 411)	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)
_			15	
rear	PHI180	Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)
> _	CHEM112	General Chemistry II	2	Specialization
2	CHEM115	General Chemistry Lab	1	Specialization
10	FDSC250	Contemporary Food Science & Nutrition	3	Specialization
(Spring)	PHYS105	General Physics I	3	Specialization
(-10)	PHYS135	General Physics Lab I	1	Specialization
			13	
_	CHEM282	Organic Chemistry for Non-Majors	3	Specialization
3	BIOE230	Microbiology	3	Specialization
	STAT235	Statistics for Biology	3	Specialization
(Fall)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)
(۵)	FDSC330	Fundamentals of Food Science	3	Specialization
<u></u>			15	
rear	CHEM283	Biochemistry for Non-Majors	3	Specialization
≻ 4	NUTR320	Macronutrient Nutrition and Metabolism	2	Specialization
4	NUTR321	Nutrition Assessment I	1	Specialization
(Caring)	BIOM229	Cell Biology I	2	Specialization
(Spring)	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)
	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)
			14	
	NUTR330	Micronutrient Nutrition and Metabolism	2	Specialization
_	NUTR331	Nutrition Assessment II	1	Specialization
5	NUTR352	Human Nutrition in Various Ages Stages	3	Specialization
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)
(Fall)	BIOL270	General Genetics	2	Specialization
(ear 3	BIOC275	Genetics Laboratory	1	Specialization
	Elective	Student choice	3	Free Elective
e e			15	
	NUTR355	Nutrition Seminar	1	Specialization
6	PHYL101	Introductory Physiology	3	Specialization
U	NUTR360	Immunology and Nutrition	2	Specialization
(Spring)	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)
(Spinig)	ISLM100/ISLM101	Islamic Culture/Biography of the Prophet "Sira"	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture)
	Elective	Student choice	3	Major Elective
	NUTR401	At Add - Education and Communication (AC December)	15	Consideration
7	NUTR375	Nutrition Education and Communication (NS Program)	3	Specialization Specialization
,	NUTR380	Medical Nutrition Therapy I (NS Program) Food Service Systems Management (NS Program)	3	Specialization
(Fall)	Elective	Student choice	3	Major Elective
4 (Lgii)	Elective	Student choice Student choice	3	Major Elective
(in)	LICCUYC	Jeduciii ciioloc	15	imajor Elective
ě e	NUTR482	Community Nutrition (NS Program)	3	Specialization
8	NUTR480	Senior Research Project (NS Program)	3	Specialization
0	Elective	Student choice	3	Major Elective
(Spring)	Elective	Student choice	3	Major Elective
(Shiiig)	Elective	Student choice	3	Free Elective
			15	
0				
5 9				
@ /= . II\	NUTR491	Internship (NS)	3	Internship
≗ (Fall)				
			3	
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Bachelor of Science in Nutritional Sciences Model Study Plan (2022-2023 Cohort onwards)

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

	Total Degree Credit hours: 120							
Semester	Course Code	Course Title	СН	Course type				
	ESPU106	Introduction to Academic English For Food & Agriculture	3	Gen Ed Course (Cluster 1 Area 2: English Communication)				
1	BIOC100	Basic Biology I	3	Gen Ed Course (Cluster 3: Area 1: Natural Sciences)				
(6)	MATH105	Calculus I	3	Gen Ed Course (Cluster 1: Area 5: Quantitative Reasoning)				
(Spring)	CHEM111	General Chemistry I	3	Specialization				
П	HSS105	Emirates Studies	3	Gen Ed Course (Cluster 2: Area 3: Emirates Society)				
ear	PHI180	Colstant Third idea	15	Con Ed Course (Cluster & Assa & Caldinal Thirdinal)				
Ϋ́		Critical Thinking	3	Gen Ed Course (Cluster 1: Area 4: Critical Thinking)				
2	CHEM112 CHEM115	General Chemistry II General Chemistry Lab	1	Specialization Specialization				
	STAT235	Statistics for Biology	3	Specialization				
(Fall)	PHYS105	General Physics I	3	Specialization				
	PHYS135	General Physics Lab I	1	Specialization				
			13					
	CHEM282	Organic Chemistry for Non-Majors	3	Specialization				
3	BIOE230	Microbiology	3	Specialization				
-	FDSC250	Contemporary Food Science & Nutrition	3	Specialization				
(Spring)	GEIT112	Fourth Industrial Revolution	3	Gen Ed Course (Cluster 1: Area 3: Fourth Industrial Revolution)				
` ' ' ' '	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 1: Humanities and Fine Arts)				
7			15					
/ear	CHEM283	Biochemistry for Non-Majors	3	Specialization				
4	NUTR320	Macronutrient Nutrition and Metabolism	2	Specialization				
4	NUTR321	Nutrition Assessment I	1	Specialization				
(Fall)	BIOM229	Cell Biology I	2	Specialization				
()	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen Ed Course (Cluster 1: Area 1: Innovation and Entrepreneurship)				
	FDSC330	Fundamentals of Food Science	3	Specialization				
			14					
	NUTR330	Micronutrient Nutrition and Metabolism	2	Specialization				
5	NUTR331	Nutrition Assessment II	1	Specialization				
_	NUTR352	Human Nutrition in Various Ages Stages	3	Specialization				
(Spring)	PHYL101 ISLM100/ISLM101	Introductory Physiology Islamic Culture/Biography of the Prophet "Sira"	3	Specialization Gen Ed Course (Cluster 2: Area 4: Islamic Culture)				
	Elective	Student choice	3	Gen Ed Course (Cluster 2: Area 4: Islamic Culture) Gen Ed Course (Cluster 2: Area 2: Social and Behavioral Sciences)				
m	Elective	Student choice	15	Gen Eu Course (Cluster 2. Area 2. 30clai and Benavioral Sciences)				
ea	NUTR401	Nutrition Education and Communication (NS Program)	3	Specialization				
>	BIOL270	General Genetics	2	Specialization				
6	BIOC275	Genetics Laboratory	1	Specialization				
_	NUTR375	Medical Nutrition Therapy I (NS Program)	3	Specialization				
(Fall)	NUTR355	Nutrition Seminar	1	Specialization				
	Elective	Student choice	3	Free Elective				
	Elective	Student choice	3	Major Elective				
			16					
	NUTR360	Immunology and Nutrition	2	Specialization				
7	NUTR482	Community Nutrition (NS Program)	3	Specialization				
(Caring)	GESU121	Sustainability	3	Gen Ed Course (Cluster 3: Area 2: Sustainability)				
(Spring)	Elective	Student choice	3	Major Elective				
4	Elective	Student choice	3	Major Elective				
ear	AU ITRARO	Sonior Recoarch Depicet (NS Brogram)	14	Engelphystian				
ř	NUTR480 NUTR380	Senior Research Project (NS Program) Food Service Systems Management (NS Program)	3	Specialization Specialization				
8	Elective	Student choice	3	Major Elective				
	Elective	Student choice	3	Major Elective				
(Fall)	Elective	Student choice	3	Free Elective				
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			15					
بر 1								
₹ .	NUTR491	Internship (NS)	3	Internship				
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Department of Nutrition and Health Bachelor of Science in Nutritional Sciences Model Study Plan (2025-2026 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
Semester	GEAE101	Academic English for Humanities and STEM	3	Gen. Ed. Theme 2: Academic Language Proficiency
1 (Fall)	BIOC100	Basic Biology I	3	Specialization
	MATH105		3	
		Calculus I		Specialization
	CHEM111	General Chemistry I	3	Specialization
	GEEM110	Contemporary Emirati Studies	3	Gen. Ed. Theme 1: UAE National Identity
<u></u>			15	
2 (Spring)	CHEM113	General Chemistry II	3	Specialization
	CHEM115	General Chemistry Lab	1	Specialization
	PHYS105	General Physics I	3	Specialization
	NUTR101	Introduction to Human Anatomy and Physiology	3	Specialization
	BIOM229	Cell Biology I	2	Specialization
	GESU121	Sustainability	3	Gen. Ed. Theme 5: Sustainability
			15	
	NUTR220	Nutrition and Dietetics: Principles and Practices	3	Specialization
3	CHEM282		3	Specialization
3		Organic Chemistry for Non-Majors	3	
/E-II)	BIOE230	Microbiology		Specialization
(Fall)	STAT235	Statistics for Biology	3	Specialization
7	GEIT113	Introduction to Artificial Intelligence	3	Gen. Ed. Theme 3: Innovation
<u>a</u>			15	
Year	CHEM283	Biochemistry for Non-Majors	3	Specialization
	NUTR320	Macronutrient Nutrition and Metabolism	2	Specialization
4	NUTR321	Nutrition Assessment I	1	Specialization
	BIOL270	General Genetics	2	Specialization
(Spring)	BIOC275	Genetics Laboratory	1	Specialization
(3611118)	GEIE222	Fundamentals of Innovation and Entrepreneurship	3	Gen. Ed. Theme 4: Entrepreneurship
	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11
			15	
	NUTR330	Micronutrient Nutrition and Metabolism	2	Specialization
_	NUTR331	Nutrition Assessment II	1	Specialization
5	NUTR352	Human Nutrition in Various Ages Stages	3	Specialization
/- ···	Elective	Student choice	3	Gen. Ed. Theme 6 or 7 or 8 or 9 or 10 or 11
(Fall)	FDSC330	Fundamentals of Food Science	3	Specialization
(, 5,,,	Elective	Student choice	3	Free Elective
<u></u>	LIELLIVE	Student choice	15	FIEE Elective
Year				
	NUTR355	Nutrition Seminar	1	Specialization
6	NUTR375	Medical Nutrition Therapy I (NS Program)	3	Specialization
_	NUTR360	Immunology and Nutrition	2	Specialization
(Spring)	NUTR380	Food Service Systems Management (NS Program)	3	Specialization
(Spring)	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Major Elective
			15	
7 ₄ (Fall)	NUTR401	Nutrition Education and Communication (NS Program)	3	Specialization
	NUTR410	Nutritional Product Development	3	Specialization
	NUTR460	Precision Nutrition	3	Specialization
	Elective	Student choice	3	Major Elective
	Elective	Student choice	3	Major Elective
ear			15	
o —	NUTR480	Senior Research Project (NS Program)	3	Specialization
8	NUTR482	Community Nutrition (NS Program)	3	Specialization
•	Elective	Student choice	3	Major Elective
(Spring)	Elective	Student choice Student choice	3	Free Elective
	FIELLIVE	Student choice	3	rice ciective
			12	
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ر د	NUITRADA	Intereship (NE)	2	Intereship
<u>.</u>	NUTR491	Internship (NS)	3	Internship
S 9 (Fall)	NUTR491	Internship (NS)	3	Internship