MAJOR IN NUTRITION AND FOOD SCIENCE, PRE-HEALTH NUTRITION CONCENTRATION

No new students are being admitted to this concentration. Please visit the Major in Nutrition Science, Pre-Health Nutrition Concentration (http://catalog.colostate.edu/general-catalog/colleges/health-human-sciences/food-science-human-nutrition/nutrition-science-major-pre-health-nutrition-concentration/).

Requirements

Effective Fall 2023

Freshman

		AUCC	Credits
Select one group from the following:			5
Group A:			
CHEM 107	Fundamentals of Chemistry (GT-SC2)	3A	
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	
Group B:			
CHEM 111	General Chemistry I (GT-SC2)	3A	
CHEM 112	General Chemistry Lab I (GT-SC1)	3A	
CO 150	College Composition (GT-CO2)	1A	3
FSHN 150	Survey of Human Nutrition		3
LIFE 102	Attributes of Living Systems (GT-SC1)	3A	4
LIFE 103	Biology of Organisms-Animals and Plants (GT-SC1)	3A	4
MATH 117	College Algebra in Context I (GT-MA1)	1B	1
MATH 118	College Algebra in Context II (GT-MA1)	1B	1
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	1B	1
MATH 125	Numerical Trigonometry (GT-MA1)	1B	1
PSY 100	General Psychology (GT-SS3)	3C	3
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)		1C	3
	Total Credits		**29**

Sophomore

BMS 300	Principles of Human Physiology		4
CHEM 113	General Chemistry II		3
CHEM 114	General Chemistry Lab II		1
CHEM 341	Modern Organic Chemistry I		3
FSHN 340	Food as Preventive Medicine		3
MATH 155	Calculus for Biological Scientists I (GT-MA1)	1B	4
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)		3B	6
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)		3D	3
Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)		3C	3
	Total Credits		**30**

Junior

BC 351	Principles of Biochemistry		4
CHEM 343	Modern Organic Chemistry II		3
CHEM 344	Modern Organic Chemistry Laboratory		2
FSHN 350	Human Nutrition		3

FSHN 428	Nutrition Teaching and Counseling Techniques		3
PH 121	General Physics I (GT-SC1)	3A	5
STAT 301	Introduction to Applied Statistical Methods		3
Select one course from the following:			3
CO 300	Writing Arguments (GT-CO3)	2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)	2	
CO 301C	Writing in the Disciplines: Social Sciences (GT-CO3)	2	
JTC 300	Strategic Writing and Communication (GT-CO3)	2	
Elective			3
	Total Credits		**29**

Senior

BZ 310 or LIFE 210	Cell Biology Introductory Eukaryotic Cell Biology		3-4
FSHN 450	Medical Nutrition Therapy	4B	5
FSHN 459	Nutrition in the Life Cycle	4A	3
FSHN 470	Integrative Nutrition and Metabolism		3
FSHN 492	Seminar in Dietetics and Nutrition	4C	2
MIP 300	General Microbiology		3
MIP 302	General Microbiology Laboratory		2
Electives[1]			10-11
	Total Credits		**32**
	Program Total Credits:		**120**

[1] Select enough elective credits to bring program total to a minimum of 120 credits, of which at least 42 must be upper-division (300- to 400-level).

Major Completion Map

Freshman

Semester 1		**Critical**	**Recommended**	**AUCC**	**Credits**
CO 150	College Composition (GT-CO2)	X		1A	3
FSHN 150	Survey of Human Nutrition	X			3
LIFE 102	Attributes of Living Systems (GT-SC1)	X		3A	4
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	1
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	1
PSY 100	General Psychology (GT-SS3)	X		3C	3
	Total Credits				**15**
Semester 2		**Critical**	**Recommended**	**AUCC**	**Credits**
Select one group from the following:		X			5
Group A:					
CHEM 107	Fundamentals of Chemistry (GT-SC2)			3A	
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)			3A	
Group B:					
CHEM 111	General Chemistry I (GT-SC2)			3A	
CHEM 112	General Chemistry Lab I (GT-SC1)			3A	
LIFE 103	Biology of Organisms-Animals and Plants (GT-SC1)	X		3A	4
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	X		1B	1
MATH 125	Numerical Trigonometry (GT-MA1)	X		1B	1
Diversity, Equity, and Inclusion (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#diversity-equity-inclusion)			X	1C	3
	Total Credits				**14**

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
CHEM 113	General Chemistry II	X			3
CHEM 114	General Chemistry Lab II	X			1
MATH 155	Calculus for Biological Scientists I (GT-MA1)	X		1B	4
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)				3B	3
Historical Perspectives (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
	Total Credits				**14**

Semester 4		Critical	Recommended	AUCC	Credits
BMS 300	Principles of Human Physiology	X			4
CHEM 341	Modern Organic Chemistry I	X			3
FSHN 340	Food as Preventive Medicine	X			3
Arts and Humanities (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Social and Behavioral Sciences (http://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#social-behavioral-sciences)			X		3
	Total Credits				**16**

Junior

Semester 5		Critical	Recommended	AUCC	Credits
CHEM 343	Modern Organic Chemistry II	X			3
CHEM 344	Modern Organic Chemistry Laboratory	X			2
FSHN 350	Human Nutrition	X			3
Select one course from the following:		X			3
CO 300	Writing Arguments (GT-CO3)			2	
CO 301B	Writing in the Disciplines: Sciences (GT-CO3)			2	
CO 301C	Writing in the Disciplines: Social Sciences (GT-CO3)			2	
JTC 300	Strategic Writing and Communication (GT-CO3)			2	
Elective			X		3
	Total Credits				**14**

Semester 6		Critical	Recommended	AUCC	Credits
BC 351	Principles of Biochemistry	X			4
FSHN 428	Nutrition Teaching and Counseling Techniques	X			3
PH 121	General Physics I (GT-SC1)	X		3A	5
STAT 301	Introduction to Applied Statistical Methods	X			3
	Total Credits				**15**

Senior

Semester 7		Critical	Recommended	AUCC	Credits
BZ 310 or LIFE 210	Cell Biology Introductory Eukaryotic Cell Biology	X			3-4
FSHN 450	Medical Nutrition Therapy	X		4B	5
FSHN 459	Nutrition in the Life Cycle	X		4A	3
Electives			X		4-5
	Total Credits				**16**

Semester 8		Critical	Recommended	AUCC	Credits
FSHN 470	Integrative Nutrition and Metabolism	X			3
FSHN 492 (Final semester only)	Seminar in Dietetics and Nutrition	X		4C	2
MIP 300	General Microbiology	X			3
MIP 302	General Microbiology Laboratory	X			2
Electives			X		6

The benchmark courses for the 8th semester are the remaining courses in the entire program of study.	X	
Total Credits		**16**
Program Total Credits:		**120**