

MAJOR IN NUTRITION SCIENCE, NURSING CONCENTRATION

The Nutrition Science Nursing Concentration within the department of Food Science and Human Nutrition (FSHN) provides students with the unique opportunity to earn both a Bachelor of Science (BS) in Nutrition Science from CSU Fort Collins and a Master of Science in Nursing (MSN) from CSU Pueblo's School of Nursing all while on the Fort Collins campus. The program is structured so that the first five semesters focus on completing nursing prerequisites and the coursework necessary for the undergraduate degree in Nutrition Science. This concentration equips nursing students with specialized knowledge in nutrition, human health, and disease prevention. Beginning in the sixth semester, students take nursing coursework that fulfills the requirements for both the BS in Nutrition Science and the MSN. The BS degree is conferred only after the MSN requirements are completed, with students graduating with both degrees at the end of the tenth semester.

CSU Fort Collins in collaboration with CSU Pueblo offers a Master of Science in Nursing (MSN) 3+2 Graduate Entry Program on the Fort Collins campus. Students pursuing one of three undergraduate degrees at CSU Fort Collins—Nutrition Science, Human Development and Family Studies, or Health & Exercise Science—who aspire to become registered nurses are eligible to apply for this accelerated 3+2 program. Once accepted, students will concurrently complete their undergraduate degree and the CSU Pueblo MSN, with a concentration in nursing leadership. All nursing courses will be delivered in person on the Fort Collins campus, accompanied by local clinical practicum experiences. Upon completing the program, graduates are eligible to sit for the National Council Licensure Examination for Registered Nurses (NCLEX-RN) (<https://www.nclex.com/>).

Admission to this concentration is competitive, with eligibility based on the following criteria:

1. Students must first enroll in the Pre-Nursing Concentration within Nutrition Science, Health and Exercise Science (<https://catalog.colostate.edu/general-catalog/colleges/health-human-sciences/health-exercise-science/health-exercise-science-major-pre-nursing-concentration/>), or Human Development and Family Studies (<https://catalog.colostate.edu/general-catalog/colleges/>)

health-human-sciences/human-development-family-studies/human-development-family-studies-major-pre-nursing-concentration/).

2. Complete the first four semesters of the Pre-Nursing Concentration as outlined in the program of study, including the completion of seven specific nursing prerequisites.
3. At the end of the third semester, students who have successfully completed the required nursing prerequisites in first three semesters with a grade of C or better may apply for admission to CSU's 3+2 Master of Science in Nursing (MSN) program, offered on the Fort Collins campus in partnership with CSU Pueblo's School of Nursing, to continue into the Nursing Concentration.
4. Upon acceptance to the MSN program, students will change their BS degree concentration to Nursing.
5. Once in the Nursing Concentration, students must complete all remaining nursing prerequisites with a grade of C or better prior to the start of the sixth semester. Students will not be allowed to enroll in MSN nursing courses until all prerequisites are successfully completed.

Failure to meet these requirements may result in the loss of admission to the MSN program. In this case, students can either retake or complete the necessary prerequisites and join the next MSN cohort (typically delaying entry by one year) or return to the Pre-Nursing Concentration to complete their BS degree and apply to accelerated BSN programs.

Learning Objectives

Upon successful completion of this concentration, students will be able to:

1. Demonstrate advanced knowledge of scientific principles relating to physiology, chemistry, and nutrition science.
2. Integrate information from scientific sources, critically analyze critique scientific information, and develop appropriate conclusions.
3. Apply knowledge to issues relating to human health and disease.

Requirements Effective Fall 2026

Students must earn a grade of C (2.0) or better in all nursing prerequisite courses, as well as any course substitutions fulfilling these requirements.

Freshman

		AUCC	Credits
CHEM 107	Fundamentals of Chemistry (GT-SC2)	3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	3A	1
CO 150	College Composition (GT-CO2)	1A	3
FSHN 115	Health Equity (GT-SS3)	1C	3
FSHN 150	Introduction to Human Nutrition		3
FSHN 340	Food as Medicine		3
HDFS 101	Lifespan Development (GT-SS3)	3C	3
MATH 117	College Algebra in Context I (GT-MA1)	1B	1
MATH 118	College Algebra in Context II (GT-MA1)	1B	1
PSY 100	General Psychology (GT-SS3)	3C	3
Select one group from the following:			4

Group A:

BZ 110	Principles of Animal Biology (GT-SC2)	3A
BZ 111	Animal Biology Laboratory (GT-SC1)	3A

Group B:

LIFE 102	Attributes of Living Systems (GT-SC1)	3A
----------	---------------------------------------	----

Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)	3B	3
Historical Perspectives (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)	3D	3

Total Credits	35
----------------------	-----------

Sophomore

FSHN 292	Careers in Nutrition Science Seminar		1
FSHN 350	Human Nutrition		3
FSHN 428	Nutrition Teaching and Counseling Techniques		3
FSHN 453	Biology of Body Weight Regulation		3
LIFE 205	Microbial Biology		3
LIFE 206	Microbial Biology Laboratory		2
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	1B	1
MATH 125	Numerical Trigonometry (GT-MA1)	1B	1
SPCM 200	Public Speaking		3
STAT 201	General Statistics (GT-MA1)	1B	3
Select one course from the following:			4
BMS 300	Principles of Human Physiology		
HES 300	Physiology for Clinical Health Professions		
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	
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)	3B		3

Total Credits	33
----------------------	-----------

Junior

BMS 301	Human Gross Anatomy		5
FSHN 449	Pathophysiology of Nutrition-Related Diseases	4B	2
FSHN 459	Nutrition in the Life Cycle	4A	3
HES 310	Human Pathophysiology		3
Select one course from the following:			3
FSHN 220	Intro to Nutrition for Sports and Fitness		
FSHN 271	Integrative Wellness Coaching I		
FSHN 451	Community Nutrition		
Select one course from the following:			2
FSHN 361	Global Nutrition		
FSHN 455	Food Systems–Impact on Health/Food Security		
Credits transferred from CSU-Pueblo			13
Credits transferred from CSU-Pueblo ¹	4C		3

Total Credits	34
----------------------	-----------

Senior

Credits transferred from CSU-Pueblo	18
Total Credits	18
Program Total Credits:	120

¹ The AUCC 4C requirement, emphasizing Capstone Experiences that integrate learning and skills from the student's major, will be fulfilled through upper-division nursing coursework transfer credit as approved by the academic unit. This course will focus on applying theoretical knowledge in real-world clinical practice, critical thinking, and leadership in healthcare. The capstone experience will take place in a simulation and clinical setting, allowing students to demonstrate mastery of key competencies and align their academic experience with the degree program's learning outcomes.

Major Completion Map**Distinctive Requirements for Degree Program:**

Students seeking admission to the Major in Nutrition Science Nursing Concentration must begin in the Nutrition Science Pre-Nursing Concentration and formally apply to the Master's of Nursing (MSN) after completing all coursework in Semesters 1 - 3 with a grade of C or better. Notification of acceptance occurs during Semester 4 and if admitted, students will change to the Nursing Concentration prior to Semester 5. Students must complete all remaining MSN prerequisites in Semesters 5 and 6 with a grade of C or better and will not be allowed to enroll in MSN nursing courses until all prerequisites are complete.

Freshman

Semester 1		Critical	Recommended	AUCC	Credits
FSHN 115	Health Equity (GT-SS3)	X		1C	3
FSHN 150	Introduction to Human Nutrition	X			3
HDFS 101	Lifespan Development (GT-SS3)	X		3C	3
MATH 117	College Algebra in Context I (GT-MA1)	X		1B	1
Select one group from the following:		X			4
Group A:					
BZ 110	Principles of Animal Biology (GT-SC2)			3A	
BZ 111	Animal Biology Laboratory (GT-SC1)			3A	
Group B:					
LIFE 102	Attributes of Living Systems (GT-SC1)			3A	
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Total Credits					17

Semester 2		Critical	Recommended	AUCC	Credits
CHEM 107	Fundamentals of Chemistry (GT-SC2)	X		3A	4
CHEM 108	Fundamentals of Chemistry Laboratory (GT-SC1)	X		3A	1
CO 150	College Composition (GT-CO2)	X		1A	3
FSHN 340	Food as Medicine	X			3
MATH 118	College Algebra in Context II (GT-MA1)	X		1B	1
PSY 100	General Psychology (GT-SS3)	X		3C	3
Historical Perspectives (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#historical-perspectives)			X	3D	3
Total Credits					18

Sophomore

Semester 3		Critical	Recommended	AUCC	Credits
FSHN 292	Careers in Nutrition Science Seminar	X			1
FSHN 350	Human Nutrition	X			3
MATH 124	Logarithmic and Exponential Functions (GT-MA1)	X		1B	1
MATH 125	Numerical Trigonometry (GT-MA1)	X		1B	1
SPCM 200	Public Speaking	X			3
STAT 201	General Statistics (GT-MA1)	X		1B	3
Select one course from the following:					4

BMS 300	Principles of Human Physiology	X			
HES 300	Physiology for Clinical Health Professions	X			
Total Credits					16
Semester 4					
		Critical	Recommended	AUCC	Credits
FSHN 428	Nutrition Teaching and Counseling Techniques	X			3
FSHN 453	Biology of Body Weight Regulation	X			3
LIFE 205	Microbial Biology	X			3
LIFE 206	Microbial Biology Laboratory	X			2
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	
Arts and Humanities (https://catalog.colostate.edu/general-catalog/all-university-core-curriculum/aucc/#arts-humanities)			X	3B	3
Total Credits					17
Junior					
Semester 5					
		Critical	Recommended	AUCC	Credits
BMS 301	Human Gross Anatomy	X			5
FSHN 449	Pathophysiology of Nutrition-Related Diseases	X		4B	2
FSHN 459	Nutrition in the Life Cycle	X		4A	3
HES 310	Human Pathophysiology	X			3
Select one course from the following:		X			3
FSHN 220	Intro to Nutrition for Sports and Fitness				
FSHN 271	Integrative Wellness Coaching I				
FSHN 451	Community Nutrition				
Select one course from the following:					2
FSHN 361	Global Nutrition	X			
FSHN 455	Food Systems--Impact on Health/Food Security	X			
Total Credits					18
Semester 6					
		Critical	Recommended	AUCC	Credits
Credits transferred from CSU-Pueblo		X			13
Credits transferred from CSU-Pueblo		X		4C	3
Total Credits					16
Senior					
Semester 7					
		Critical	Recommended	AUCC	Credits
Credits transferred from CSU-Pueblo		X			18
Total Credits					18
Program Total Credits:					120