

Note: No Major, Support or Concentration courses may be selected as credit/no credit.

MAJOR COURSES		
FSN 101	Orientation to the Nutrition Major	1
FSN 121	Fundamentals of Food	4
FSN 202	Introduction to Human Nutrition	4
FSN 250	Food and Nutrition: Customs and Culture (USCP) (E) ¹	4
FSN 281	Writing in Nutrition Science	2
FSN 310	Maternal and Child Nutrition	4
FSN 315	Nutrition in Aging	4
FSN 319	Science of Food for the Consumer (Upper-Division B) ¹	4
FSN 331 & FSN 332 & FSN 333	Macronutrient Metabolism and Micronutrient Metabolism and Nutrient Metabolism Lab	9
FSN 381	Critical Evaluation of Nutrition Research	4
FSN 415	Nutrition Education and Communications	4
FSN 416	Community Nutrition	4
FSN 431	Medical Nutrition Therapy I	2
FSN 432	Medical Nutrition Therapy II	4
FSN 433	Medical Nutrition Therapy III	4
FSN 461	Senior Project I ²	3
or FSN 478 & FSN 481	Senior Project Experiential Learning in Nutrition and Advanced Nutrition Snr. Project Scientific Writing	
or FSN 479 & FSN 481	Senior Project Advanced Topics and Advanced Nutrition Snr. Project Scientific Writing	
BIO 161	Introduction to Cell and Molecular Biology (B2 & B3) ¹	4
BIO 231	Human Anatomy and Physiology I	5
BIO 232	Human Anatomy and Physiology II	5
CHEM 127	Gen CHEM for Agriculture & Life Science I (B1 & B3) ¹	4
CHEM 128	Gen CHEM for Agriculture & Life Science II	4
CHEM 312 or CHEM 216	Organic Chemistry: Fundamentals & Applications ³ Organic Chemistry I	5
CHEM 314 or CHEM 369	Biochemistry: Fundamentals and Applications ³ Biochemical Principles	5
MATH 118	Precalculus Algebra (B4) ^{1,4}	4
MCRO 221 or MCRO 224	Microbiology General Microbiology I	4-5
STAT 218	Applied Statistics for the Life Sciences (GE Electives) ¹	4
Concentration courses (see concentrations below)		26-27
Total Major Units		131-132

GENERAL EDUCATION		
Area A English Language Communication & Critical Thinking		
A1	Oral Communication	4
A2	Written Communication	4
A3	Critical Thinking	4
Area B Scientific Inquiry and Quantitative Reasoning		
B1	Physical Science (4 units in Major) ¹	0
B2	Life Science (4 units in Major) ¹	0
B3	One lab taken with either a B1 or B2 course	
B4	Math/Quantitative Reasoning (4 units in Major) ¹	0
Upper-Division B (4 units in Major) ¹		0
Area C Arts and Humanities		
<i>Lower-division courses must come from three different subject prefixes.</i>		
C1	Arts	4
C2	Humanities	4
Lower-Division C Elective - Select from either C1 or C2		4
Upper-Division C		4
Area D Social Sciences		
<i>Select courses from at least two different prefixes</i>		
D1	American Institutions (Title 5/40404)	4
D2	Lower-Division D	4
Upper-Division D		4
Area E Lifelong Learning and Self-Development		
Lower-Division E (4 units in Major) ¹		0
Area F Ethnic Studies		
F	Ethnic Studies	4
GE Electives in Areas B, C, and D		
<i>Select from two different areas; may be lower- or upper-division courses.</i>		
GE Electives (4 units of Area B in Major) ¹		0
GE Electives (Area C or D) ¹		4
Total GE Units		48
FREE ELECTIVES		0-1
TOTAL DEGREE UNITS		180-181

FOOTNOTES	
¹	Required in Major or Support; also satisfies General Education (GE) requirement.
²	Credit in FSN 461; or FSN 478 and FSN 481; or FSN 479 and FSN 481 fulfills the senior project requirement.
³	Most Nutrition majors should take CHEM 312 and CHEM 314. Students choosing the Nutrition Science concentration may need to take CHEM 216 and CHEM 369, depending on their career goals and Approved Electives. Students selecting CHEM 216 must also take CHEM 217 and CHEM 218. See advisor.
⁴	MATH 116 and MATH 117 substitute.

Applied Nutrition Concentration		
FSN 321	Contemporary Issues in Food Choice & Preparation	4
FSN 343	Foodservice Operations I	3
FSN 344	Foodservice Operations II	4
FSN 417	Nutrition Counseling	4
FSN 426	Nutrition and Foodservice Systems Management	4
BIO 302	Human Genetics	4
or BIO 303	Survey of Genetics	
PSY 201	General Psychology	4
or PSY 202	General Psychology	
Total Units		27

Nutrition Science Concentration		
BIO 302	Human Genetics	4-5
or BIO 303	Survey of Genetics	
or BIO 351	Principles of Genetics	
Approved Electives ¹ (see list below)		22
Total Units		26-27

Approved Electives ¹ for Nutrition Science Concentration		
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ASCI 403	Applied Biotechnology in Animal Science	
BIO 150	Diversity and History of Life	
BIO 162	Introduction to Organismal Form and Function	
BIO 253	Health Professions Shadowing	
BIO 305	Biology of Cancer	
BIO/CHEM 308	Genetic Engineering Technology	
BIO 405	Developmental Biology	
BIO 410	Functional Histology	
BIO 426	Immunology	
BIO 452	Cell Biology	
BIO 476	Gene Expression Laboratory	
BUS 207	Legal Responsibilities of Business	
BUS 212	Financial Accounting for Nonbusiness Majors	
CHEM 129	General Chemistry for Agriculture and Life Science III	
CHEM 217	Organic Chemistry II	
CHEM 218	Organic Chemistry III	
CHEM 231	Quantitative Analysis	
CHEM 324	Organic Chemistry Laboratory III	
CHEM 331	Quantitative Analysis	
CHEM 372	Metabolism	
CHEM 373	Molecular Biology	
CHEM 377	Chemistry of Drugs and Poisons	
CHEM 458	Advanced Organic Chemistry: Spectroscopy	
CHEM 474	Protein Techniques Laboratory	
CHEM 475	Molecular Biology Laboratory	
CHEM 477	Biochemical Pharmacology	
COMS 418	Health Communication	
ECON 303	Economics of Poverty, Discrimination & Immigration	

Approved Electives ¹ for Nutrition Science Concentration (continuation)	
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FSN 405	Advanced Sport Nutrition & Exercise Metabolism
FSN 417	Nutrition Counseling
FSN 463	Professional Practice in Nutrition and Dietetics
HLTH 305	Drugs in Society
KINE 181	Responding to Emergencies: Comprehensive First Aid, CPR, AED
KINE 301	Functional Anatomy
KINE 303	Physiology of Exercise
KINE 304	Pathophysiology and Exercise
KINE 308	Motor Development
KINE 312	Motor Learning and Control
KINE 403	Biomechanics
KINE 406	Neuroanatomy
KINE 445	Electrocardiography
KINE 446	Echocardiography
MATH 161	Calculus for the Life Sciences I
or MATH 141	Calculus I
MATH 162	Calculus for the Life Sciences II
or MATH 142	Calculus II
MATH 143	Calculus III
MCRO 225	General Microbiology II
MCRO 320	Emerging Infectious Diseases
MCRO 342	Public Health Microbiology
MCRO 402	General Virology
MCRO 421	Food Microbiology
MCRO 423	Medical Microbiology
MCRO 433	Microbial Biotechnology
PHIL 339	Biomedical Ethics
PHYS 121	College Physics I
PHYS 122	College Physics II
PHYS 123	College Physics III
PLSC 329	Plants, Food, and Biotechnology
PSY 201	General Psychology
or PSY 202	General Psychology
PSY 256	Developmental Psychology
PSY 310	Psychology of Death
PSY 318	Psychology of Aging
PSY 330	Behavioral Effects of Psychoactive Drugs
PSY 340	Biopsychology
PSY 372	Multicultural Psychology
PSY 405	Abnormal Psychology
PSY 460	Child Abuse and Neglect
SCM 101	Introduction to Health Profession Careers
SCM 363	Public Health Fieldwork
SOC 326	Sociology of the Life Cycle
	One quarter of foreign language

Footnotes for Both Concentrations
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¹ Please consult the Food, Science & Nutrition advising materials and catalog for prerequisites.