NUTRITIONAL SCIENCE (AGLS)

Nutritional science looks at the connection between diet and health. Students learn how diet can play a crucial role in the cause, treatment, and prevention of many diseases. There are degree program options within nutritional science. The pre-health professional and research option coursework prepares students for work in research laboratories, graduate study in nutrition or biological sciences, or entrance into health professional programs, such as medical, dental, physician assistant, and pharmacy schools. Students gain a strong science education along with human nutrition expertise. Additional options in family health, global health and policy, health coach, and nutrition and wellness prepare students for work positions in program planning and evaluation for community, public health, non-profit, and corporate wellness programs addressing the growing public interest in nutrition, wellness, and preventative health. Students learn about the role of nutrition and healthy eating for disease prevention and wellness. The food service option prepares students for school nutrition and food service management positions.

The department also offers a nutrition minor (http://catalog.iastate.edu/previouscatalogs/2021-2022/collegeofagricultureandlifesciences/foodscienceandhumannutrition/#undergraduateminortext).

Administered by the Department of Food Science and Human Nutrition

- · Pre-Health Professional and Research Option
- · Family Health Option
- · Food Service Option
- · Global Health and Policy Option
- · Health Coach Option
- Nutrition and Wellness Option

PRE-HEALTH PROFESSIONAL AND RESEARCH OPTION

Total Degree Requirement: 120 cr.

Students must fulfill International Perspectives and U.S. Diversity requirements by selecting coursework from approved lists. These courses may also be used to fulfill other area requirements. Only 65 cr. from a two-year institution may apply to the degree which may include up to 16 technical cr.; 9 P-NP cr. of electives; 2.00 minimum GPA.

International Perspectives: 3 cr.

U.S. Diversity: 3 cr.

Communications and Library: 13 cr.

ENGL 150	Critical Thinking and Communication	3
ENGL 250	Written, Oral, Visual, and Electronic Composition	3
ENGL 314	Technical Communication	3
LIB 160	Information Literacy	1

SP CM 212	Fundamentals of Public Speaking	3
Total Credits		13
Humanities and S	Social Sciences: 6-12 cr.	
Select Humanitie	es courses from approved list	3
Select Social Sci	ence course from approved list	3
If H Sci student,	select:	6
Additional Hu	manities course	
Additional Hu	manities or Social Science course	
Total Credits		12
Ethics 3 cr.		
FS HN 342	World Food Issues: Past and Present	3
Total Credits		3
Mathematical Sci	ences: 6-12 cr.	
Select at least 3	credits from:	3-8
MATH 140	College Algebra	
MATH 143	Preparation for Calculus	
MATH 160	Survey of Calculus	
MATH 165	Calculus I	
MATH 165	Calculus I	
& MATH 166	and Calculus II	
Select at least 3	credits from:	3-4
STAT 101	Principles of Statistics	
STAT 104	Introduction to Statistics	
Total Credits		6-12
Physical Sciences	s: 17 cr.	
CHEM 177	General Chemistry I	4
CHEM 177L	Laboratory in General Chemistry I	1
CHEM 178	General Chemistry II	3
CHEM 178L	Laboratory in College Chemistry II	1
CHEM 331	Organic Chemistry I	3
CHEM 331L	Laboratory in Organic Chemistry I	1
CHEM 332	Organic Chemistry II	3
CHEM 332L	Laboratory in Organic Chemistry II	1
Total Credits		17
Biological Scienc	es: 24-29 cr.	
BIOL 211	Principles of Biology I	3
BIOL 211L	Principles of Biology Laboratory I	1
BIOL 212	Principles of Biology II	3
BIOL 212L	Principles of Biology Laboratory II	1
BIOL 255	Fundamentals of Human Anatomy	3
BIOL 255L	Fundamentals of Human Anatomy Laboratory	1

Select at least 3 c	redits from:	3-4
BIOL 256 & 256L	Fundamentals of Human Physiology and Fundamentals of Human Physiology	
BIOL 335	Laboratory Principles of Human and Other Animal Physiology	
BIOL 313	Principles of Genetics	2
	·	3-6
Select at least 3 c		3-0
222 00.	Survey of Biochemistry	
BBMB 316	Principles of Biochemistry	
BBMB 404 & BBMB 405	Biochemistry I and Biochemistry II	
MICRO 201	Introduction to Microbiology	2-3
or MICRO 302	Biology of Microorganisms	
MICRO 201L	Introductory Microbiology Laboratory	1
or MICRO 302L	. Microbiology Laboratory	
Total Credits	24	1-29
Food Science and	Human Nutrition: 36 cr.	
FS HN 110	Professional and Educational Preparation	1
FS HN 167	Introduction to Human Nutrition	3
FS HN 203	Contemporary Issues in Food Science and Human Nutrition	1
FS HN 265	Nutrition for Active and Healthy Lifestyles	3
FS HN 360	Advanced Nutrition and the Regulation of Metabolism	3
FS HN 361	Nutrition and Health Assessment	2
FS HN 362	Nutrition in Growth and Development	3
FS HN 467	Molecular Basis of Nutrition in the Development,	3
	Prevention, and Treatment of Disease	
FS HN 492	Research Concepts in Human Nutrition	2
Select at least 15	additional credits from:	15
BIOL 314	Principles of Molecular Cell Biology	
FS HN 214	Scientific Study of Food	
& FS HN 215	and Advanced Food Preparation Laboratory (or FS HN 115 lab)	
FS HN 242	The US Food System	
FS HN 311	Food Chemistry	
FS HN 365	Obesity and Weight Management	
FS HN 367	Medical Terminology for Health Professionals	
FS HN 403	Food Laws and Regulations	
FS HN 420	Food Microbiology	
FS HN 461	Medical Nutrition and Disease I	
FS HN 463	Community Nutrition	
FS HN 464	Medical Nutrition and Disease II	

To	otal Credits		36
	& 232L	and Introduction to Classical Physics II Laboratory	
	or PHYS 232	2 Introduction to Classical Physics II	
	PHYS 112	General Physics	
	or PHYS 22	I Introduction to Classical Physics I	
	PHYS 111	General Physics	
	NUTRS 562	Advanced Nutrition Assessment	
		Expression	
	NUTRS 504	Nutrition and Epigenetic Regulation of Gene	
		Macronutrients and Micronutrients	
	NUTRS 501	Biochemical and Physiological Basis of Nutrition:	
	FS HN 575	Processed Foods	
	FS HN 499	Undergraduate Research	
	FS HN 490C	Independent Study: Nutrition	
	FS HN 466	Nutrition Counseling and Education Methods	

Electives: 0-15 cr. Select from any university coursework to earn at least 120 total credits. Students planning to apply to health professional programs should review entrance requirements and select appropriate courses as electives.

Concurrent B.S. and M.S. Program: Well-qualified students in Nutritional Science, pre-health professional and research option, who are interested in graduate study may apply for concurrent enrollment in the Graduate College to simultaneously pursue both a Bachelor of Science (B.S.) degree in Nutritional Science and a Master of Science (M.S.) degree in Nutritional Sciences. For more information, refer to www.fshn.hs.iastate.edu (http://www.fshn.hs.iastate.edu)

COMMON CORE FOR FAMILY HEALTH, FOOD SERVICE, GLOBAL HEALTH AND POLICY, HEALTH COACH, AND NUTRITION AND WELLNESS **OPTIONS**

Total Degree Requirement: 120 cr.

Students must fulfill International Perspectives and U.S. Diversity requirements by selecting coursework from approved lists. These courses may also be used to fulfill other area requirements. Only 65 cr. from a two-year institution may apply to the degree which may include up to 16 technical cr.; 9 P-NP cr. of electives; 2.00 minimum GPA.

International Perspectives: 3 cr. U.S. Diversity: 3 cr.

Commu	nicati	ons/l	ihrary.	10 cr

T	otal Credits		10
S	P CM 212	Fundamentals of Public Speaking	3
L	IB 160	Information Literacy	1
Ε	NGL 250	Written, Oral, Visual, and Electronic Composition	3
Ε	NGL 150	Critical Thinking and Communication	3

Humanities and S	ocial Sciences: 16-18 cr.		FS HN 442	Issues in Food and Society
Select Humanitie	s course from approved list	3	Total Credits	
PSYCH 101	Introduction to Psychology	3		
or PSYCH 230	Developmental Psychology		Food Science and FS HN 101	Human Nutrition: 35 cr. Food and the Consumer
SOC 134	Introduction to Sociology	3	FS HN 110	Professional and Educational Preparation
POL S 344	Public Policy	3	FS HN 111	· ·
FS HN 342	World Food Issues: Past and Present (this course	3		Fundamentals of Food Preparation
	can also meet the IP requirement)		FS HN 115	Food Preparation Laboratory
If H Sci student,	select additional Humanities course	3	FS HN 167	Introduction to Human Nutrition
Total Credits		18	FS HN 203	Contemporary Issues in Food Science and Human Nutrition
Mathematical Science Select at least 3 of		3-4	FS HN 264	Fundamentals of Nutritional Biochemistry and
		3-4		Metabolism
MATH 140	College Algebra		or BBMB 301	Survey of Biochemistry
MATH 143	Preparation for Calculus		FS HN 265	Nutrition for Active and Healthy Lifestyles
MATH 160	Survey of Calculus		FS HN 361	Nutrition and Health Assessment
MATH 165	Calculus I		FS HN 364	Nutrition and Prevention of Chronic Disease
Select at least 3		3-4	FS HN 365	Obesity and Weight Management
STAT 101	Principles of Statistics		FS HN 366	Communicating Nutrition Messages
STAT 104	Introduction to Statistics		FS HN 403	Food Laws and Regulations
Total Credits		6-8	FS HN 463	Community Nutrition
Physical Sciences	:: 5 cr.		FS HN 495	Practicum
CHEM 163	College Chemistry	4	Total Credits	
CHEM 163 or CHEM 177	College Chemistry General Chemistry I	4		ODTION: 19 gradita
		1		DPTION: 18 credits
or CHEM 177 CHEM 163L	General Chemistry I			DPTION: 18 credits Individual and Family Development, Health, and
or CHEM 177 CHEM 163L	General Chemistry I Laboratory in College Chemistry		FAMILY HEALTH (
or CHEM 177 CHEM 163L or CHEM 177L Total Credits	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I	1	FAMILY HEALTH (Individual and Family Development, Health, and Well-being
or CHEM 177 CHEM 163L or CHEM 177L	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I	1	FAMILY HEALTH (Individual and Family Development, Health, and Well-being
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I	5	FAMILY HEALTH OF HD FS 102 Select two of the	Individual and Family Development, Health, and Well-being following:
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I	5 3	FAMILY HEALTH OF HD FS 102 Select two of the HD FS 223	Individual and Family Development, Health, and Well-being following: Child Development and Health
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology II	5 3	FAMILY HEALTH OF HD FS 102 Select two of the HD FS 223 HD FS 226	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II	5 3 1 3	FAMILY HEALTH OF THE HEALTH OF	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L BIOL 255	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Fundamentals of Human Anatomy	5 3 1 3 1 3	FAMILY HEALTH OF THE HID FS 102 Select two of the HID FS 223 HID FS 226 HID FS 227 HID FS 234	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L BIOL 255 BIOL 255L	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Laboratory	5 3 1 3 1 3	FAMILY HEALTH OF THE HID FS 102 Select two of the HD FS 223 HD FS 226 HD FS 227 HD FS 234 HD FS 249	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L BIOL 255 BIOL 255L BIOL 256	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Laboratory Fundamentals of Human Physiology	5 3 1 3 1 3 1 3	FAMILY HEALTH OF THE HID FS 102 Select two of the HID FS 223 HID FS 226 HID FS 227 HID FS 234 HID FS 249 HID FS 270	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212L BIOL 212L BIOL 255 BIOL 255L BIOL 256 BIOL 256L	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Fundamentals of Human Physiology Fundamentals of Human Physiology Laboratory	1 3 1 3 1 3 1 3	FAMILY HEALTH OF THE PROOF TO SELECT THE PART OF THE P	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships e following:
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L BIOL 255 BIOL 255L BIOL 256 BIOL 256L MICRO 201	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Fundamentals of Human Physiology Fundamentals of Human Physiology Laboratory Introduction to Microbiology	5 3 1 3 1 3 1 3 1 2	FAMILY HEALTH OF THE PROOF	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships e following: Abuse and Illness in Families
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212L BIOL 255 BIOL 255L BIOL 256 BIOL 256L MICRO 201L	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Fundamentals of Human Physiology Fundamentals of Human Physiology Laboratory	5 3 1 3 1 3 1 3 1 2	FAMILY HEALTH OF THE HD FS 102 Select two of the HD FS 223 HD FS 226 HD FS 227 HD FS 234 HD FS 249 HD FS 270 Select three of the HD FS 367 HD FS 373	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships e following: Abuse and Illness in Families Death as a Part of Living
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L BIOL 255 BIOL 255L BIOL 256 BIOL 256L MICRO 201	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Fundamentals of Human Physiology Fundamentals of Human Physiology Laboratory Introduction to Microbiology	5 3 1 3 1 3 1 3 1 2	FAMILY HEALTH OF THE PROOF TO SELECT TWO OF THE PROOF TO SELECT THE PROOF TO SELECT THE PROOF THE PROOF TO SELECT THE PROOF THE PRO	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships e following: Abuse and Illness in Families Death as a Part of Living Aging and the Family
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212 BIOL 212L BIOL 255 BIOL 255L BIOL 256 BIOL 256L MICRO 201 MICRO 201L Total Credits Food Systems: 5 of	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Fundamentals of Human Physiology Fundamentals of Human Physiology Laboratory Introduction to Microbiology Introductory Microbiology Laboratory	5 3 1 3 1 3 1 3 1 2 1	FAMILY HEALTH OF THE PROOF TO SHARE THE PROOF	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships e following: Abuse and Illness in Families Death as a Part of Living Aging and the Family Children, Families, and Public Policy
or CHEM 177 CHEM 163L or CHEM 177L Total Credits Biological Science BIOL 211 BIOL 211L BIOL 212L BIOL 255 BIOL 255L BIOL 256 BIOL 256L MICRO 201 MICRO 201L Total Credits Food Systems: 5 of FS HN 242	General Chemistry I Laboratory in College Chemistry Laboratory in General Chemistry I es: 19 cr. Principles of Biology I Principles of Biology Laboratory I Principles of Biology Laboratory II Fundamentals of Human Anatomy Fundamentals of Human Anatomy Fundamentals of Human Physiology Fundamentals of Human Physiology Introduction to Microbiology Introductory Microbiology Laboratory	5 3 1 3 1 3 1 3 1 2	FAMILY HEALTH OF HD FS 102 Select two of the HD FS 223 HD FS 226 HD FS 227 HD FS 234 HD FS 249 HD FS 270 Select three of the HD FS 367 HD FS 373 HD FS 377 HD FS 395 HD FS 449	Individual and Family Development, Health, and Well-being following: Child Development and Health Development and Guidance in Middle Childhood Adolescence and Emerging Adulthood Adult Development Parenting and Family Diversity Issues Family Communications and Relationships e following: Abuse and Illness in Families Death as a Part of Living Aging and the Family Children, Families, and Public Policy Program Evaluation and Proposal Writing

ACCT 284

Total Credits

FOOD SERVICE OPTION: 18 credits			
HSP M 380	Food Production Management	3	
HSP M 380L	Food Production Management Experience	3	
HSP M 391	Foodservice Systems Management I	3	
HSP M 392	Foodservice Systems Management II	3	
ECON 101	Principles of Microeconomics	3	

GLOBAL HEALTH AND POLICY OPTION: 18 credits

Financial Accounting

Total Credits		18
	Development	
SOC 348	Global Poverty, Resources and Sustainable	3
POL S 251	Introduction to International Politics	3
FS HN 460	Global Nutrition	3
ECON 101	Principles of Microeconomics	3
or C R P 383	Theory of the Planning Process	
C R P 451	Introduction to Geographic Information Systems	3
ANTHR 201	Introduction to Cultural Anthropology	3

HEALTH COACH OPTION: 18 credits

Total Credits		18
PSYCH 485	Health Psychology	3
PSYCH 422	Counseling Theories and Techniques	3
or PSYCH 230	Developmental Psychology	
PSYCH 101	Introduction to Psychology	3
	Prescription	
KIN 458	Principles of Fitness Assessment and Exercise	4
KIN 358	Exercise Physiology	3
KIN 258	Principles of Physical Fitness and Conditioning	2

NUTRITION AND WELLNESS OPTION: 10-18 credits of electives

At least 9 credits of electives must be 300-400 level courses. Select from any university coursework to earn at least 120 total credits.

Go to FS HN courses. (http://catalog.iastate.edu/previouscatalogs/2021-2022/azcourses/fs_hn/)

Nutritional Science, B.S.

Options: Family Health 1, Food Service 2, Global Health & Policy 3, Health Coach 4, Nutrition & Wellness 5

3

18

Fall	Credits Spring	
FS HN 110	1 FS HN 101	3
FS HN 167	3 CHEM 163 or 177	4
MATH 140, 143, 160, or 165	3-4 CHEM 163L or 177L	1
BIOL 211	3 BIOL 212	3
BIOL 211L	1 BIOL 212L	1
ENGL 150	3 Course based on option:	3
LIB 160	1 HD FS 102 ¹	
	ECON 101 ^{2,3}	
	PSYCH 101 or 230 ⁴	
	Elective ⁵	
	15-16	15

Second Year

Fall	Credits Spring	Credits
FS HN 111	2 FS HN 203	1
FS HN 115	1 FS HN 242	3
FS HN 264	3 FS HN 265	3
BIOL 255	3 BIOL 256	3
BIOL 255L	1 BIOL 256L	1
ENGL 250	3 MICRO 201	2
Course based on option:	2-3 MICRO 201L	1
HD FS course from list ¹		
ACCT 284 ²		
KIN 258 ⁴		
ANTHR 201 ³		
Elective ⁵		

15-16

Third Year

Fall	Credits Spring	Credits
FS HN 364	3 FS HN 342	3
PSYCH 101 or 230	3 FS HN 361	2
SP CM 212	3 FS HN 365	3
STAT 104 or 101	3-4 FS HN 366	3
Course based on option:	3 Humanities (H Sci) or	3
	elective (AgLS)	
HD FS course from list ¹	Course based on option:	3
HSP M 380 and 380L ²	HD FS course from list ¹	
SOC 348 ³	Elective ²	
KIN 358 ⁴	POL S 251 ³	
Elective ⁵	PSYCH 485 ⁴	

14-15

		300-400 level elective ⁵	
	15-16		17
Fourth Year			
Fall	Credits S	pring	Credits
FS HN 442	2 F	S HN 403	2
FS HN 463	3 F	S HN 495	2
Humanities ^{1,2,4,5}	3 P	OL S 344	3
Or, FS HN 460 ³	С	ourse based on option:	3
SOC 134	3	HD FS course from list ¹	
Course based on option:	3	$\mathrm{HSP}\mathrm{M}\mathrm{392}^2$	
HD FS course from list ¹		Humanities ³	
HSP M 391 ²		KIN 458 ⁴	
C R P 383 or 451 ³		300-400 level elective ⁵	
PSYCH 422 ⁴	E	lectives (choose electives	2-4
	to	total at least 120 credits)	
300-400 level elective ⁵			
	14		12-14

1-5 Courses for options: Family Health¹, Food Service², Global Health & Policy³, Health Coach⁴, Nutrition & Wellness⁵

NoteThis sequence is only an example. The number of credits taken each semester should be based on the individual student's situation.

Factors that may affect credit hours per semester include student ability, employment, health, activities, and grade point consideration.

Nutritional Science, B.S.

Option: Pre-health professional & research

Freshman

Fall	Credits Spring	Credits
FS HN 110	1 FS HN 167	3
CHEM 177	4 CHEM 178	3
CHEM 177L	1 CHEM 178L	1
BIOL 211	3 BIOL 212	3
BIOL 211L	1 BIOL 212L	1
ENGL 150	3 MATH 140, 143, 160, or 165	3-4
LIB 160	1	
Humanities	3	
	17	14-15

Sophomore

Fall	Credits Spring	Credits
CHEM 331	3 CHEM 332	3
CHEM 331L	1 CHEM 332L	1

	16-17	14
SP CM 212	3 Social Science	3
ENGL 250	3 FS HN 203	1
STAT 101 or 104	3-4 FS HN 265	3
	404 and 405 the next year	
BIOL 313	3 BBMB 301 or 316, or BBMB	3

J	u	n	10	r

Fall	Credits Spring	Credits
BIOL 255	3 BIOL 256 and 256L, or 335	3-4
BIOL 255L	1 FS HN 361	2
FS HN 360	3 FS HN 362	3
MICRO 201 or 302	2-3 Humanities/Social Sci. (H Sci) or elective (AgLS)	3
MICRO 201L or 302L	1 Additional course from approved list**	3
Humanities course (H Sci) of elective*	r 3	
FS HN 342	3	

16-17

Senior

Fall	Credits Spring	Credits
FS HN 492	2 ENGL 314	3
Additional course from approved list**	3 FS HN 467	3
Additional course from approved list**	3 Additional course from approved list**	3
Additional course from approved list**	3 US Diversity (if not already taken) or elective*	3
Elective*	3-4 Elective*	2-3
	14-15	14-15

- Choose elective courses to total equal to or greater than 120 credits.
- ** Select at least 15 additional credits from: BIOL 314; FS HN 214 with lab (FS HN 115 or 215); FS HN 242, 311, 365, 367, 403, 420, 461, 463, 464, 466, 490C, 499, 575; NUTRS 501, 504; PHYS 111 or 221; PHYS 112 or 232/L.

Note This sequence is only an example. The number of credits taken each semester should be based on the individual student's situation.

Factors that may affect credit hours per semester include student ability, employment, health, activities, and grade point consideration.