

# NUTRITIONAL SCIENCE: PRE-HEALTH PROFESSIONAL AND RESEARCH OPTION

## Pre-Pharmacy FOUR-YEAR PLAN Iowa State University Catalog, 2022-2023 Department of Food Science and Human Nutrition

First Year			
Fall Semester		Spring Semester	
FS HN 110, Professional/Educational Preparation	1	FS HN 167, Introduction to Human Nutrition	3
CHEM 177, General Chemistry I	4	CHEM 178, General Chemistry II	3
CHEM 177L, General Chemistry Laboratory I	1	CHEM 178L, General Chemistry II Laboratory	1
BIOL 211, Principles of Biology I	3	BIOL 212, Principles of Biology II	3
BIOL 211L, Principles of Biology Laboratory I	1	BIOL 212L, Principles of Biology Laboratory II	1
ENGL 150, Critical Thinking & Communication	3	MATH 160 or 165, Calculus	4
LIB 160, Introduction to College Level Research	1	Total credits:	15
Humanities	<u>3</u>		
Total credits:	17		
Second Year			
Fall Semester		Spring Semester	
CHEM 331, Organic Chemistry I	3	CHEM 332, Organic Chemistry II	3
CHEM 331L, Organic Chemistry Laboratory I	1	CHEM 332L, Organic Chemistry Laboratory II	1
BIOL 313, Principles of Genetics	3	BBMB 316 (Or, BBMB 404 and 405 next year)	3
STAT 101 or 104, Statistics	3-4	<b>FS HN 265, Nutr. for Active, Healthy Lifestyles**</b>	3
ENGL 250, WOVE Composition	3	FS HN 203, Contemporary Issues in FSHN	1
SP CM 212, Fundamentals of Public Speaking	<u>3</u>	PSYCH 101, Introduction to Psychology	<u>3</u>
Total credits:	16-17	Total credits:	14
Third Year			
Fall Semester		Spring Semester	
<b>BIOL 255, Fundamentals of Human Anatomy*</b>	3	<b>BIOL 256 and 256L**, or 335*Physiology</b>	3-4
<b>BIOL 255L, Fund. of Human Anatomy Lab.*</b>	1	<b>FS HN 361, Nutrition and Health Assessment**</b>	2
<b>FS HN 360, Advanced Human Nutrition&amp; Met.*</b>	3	<b>FS HN 362, Nutrition in Growth&amp;Development**</b>	3
PHYS 131/L or 221, Physics	5	PHYS 132/L or 232, Physics	5
Humanities (H SCI) or Elective (AgLS)	<u>3</u>	ECON 101, Principles of Microeconomics	<u>3</u>
Total credits:	15	Total credits:	16-17
Fourth Year			
Fall Semester		Spring Semester	
<b>FS HN 492, Research Concepts in Human Nutr.*</b>	2	ENGL 314 Technical Communication	3
MICRO 201 or 302, Microbiology	2-3	<b>FS HN 467, Mol. Basis of Nutr. in Disease Prev.**</b>	3
MICRO 201L or 302L, Microbiology lab	1	U.S. Diversity (if not already taken) or elective	3
FS HN 342, World Food Issues	3	Additional course from approved list	3
Additional course from approved list	3	Elective, if needed	<u>3</u>
Elective, if needed	<u>3</u>	Total credits:	15
Total credits:	14-15		

Choose elective courses to total  $\geq 120$  credits. Select at least 15 additional credits from: BIOL 314; FS HN 214 with lab (115 or 215); FS HN 242, 311, 365, 367, 403, 420, 430, 461, 463, 464, 466, 490C, 499, 575; NUTRS 501, 504; PHYS 131/L or 221; PHYS 132/L or 232.

\* **Fall-only course offering**, \*\* **Spring-only course offering**. Planned course offerings may change, and students need to check the online Schedule of Classes each term to confirm course offerings: <http://classes.iastate.edu/>.

*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 considerations. Updated December 2021*