

## FOOD SCIENCE & TECHNOLOGY FOUR-YEAR PLAN

Iowa State University Catalog, 2007-2009

Department of Food Science and Human Nutrition

First Year			
Fall Semester		Spring Semester	
FS HN 110, Orientation	1	FS HN 101, Food and the Consumer	3
CHEM 177, General Chemistry	4	FS HN 167, Introduction to Human Nutrition	3
CHEM 177L, General Chemistry Lab.	1	CHEM 178, General Chemistry	3
BIOL 211, Principles of Biology I	3	BIOL 212, Principles of Biology II	3
ENGL 150, Critical Thinking & Communication	3	MATH 166 or 182, Calculus course	4
LIB 160, Library	0.5	Total credits:	16
MATH 165 or 181, Calculus course	4		
Total credits:	16.5		

Second Year			
Fall Semester		Spring Semester	
CHEM 331, Organic Chemistry	3	CHEM 332, Organic Chemistry	3
CHEM 331L, Organic Chemistry Lab.	1	PHYS 112, General Physics	4
PHYS 111, General Physics	4	TSM 115, Solving Technical Problems	3
ENGL 250, WOVE Composition	3	MICRO 302, Biology of Microorganisms	3
FS HN 203, Contemporary Issues in FSHN	1	MICRO 302L, Microbiology Laboratory	1
STAT 101 or 104, Statistics course	3-4	Total credits:	14
Total credits:	15-16		

Third Year			
Fall Semester		Spring Semester	
BBMB 301, Survey of Biochemistry	3	FS HN 351, Unit Operations in Food Process.	3
FS HN 311, Food Chemistry	4	FS HN 403, Food Laws, Regulations	2
FS HN 420, Food Microbiology	3	SP CM 212 or COMST 214, Public Speaking	3
FS HN 421, Food Microbiology Laboratory	3	FS HN 342, World Food Issues	3
Humanities/social science (CHS) or ENV S (CAg)	2-3	Humanities course	3
Total credits:	15-16	Total credits:	14

Fourth Year			
Fall Semester		Spring Semester	
FS HN 406, Sensory Evaluation of Food	3	FS HN 405, Food Quality Assurance	3
FS HN 411, Food Ingredients...Formulations	2	FS HN 410, Food Analysis	3
FS HN 471, Food Processing	3	FS HN 412, Food Product Development	4
FS HN 472, Food Processing Laboratory	2	FS HN 480, Professional Seminar in FSHN	1
Social science course	3	Humanities (CHS) or Int'l Perspectives (CAg)	3
U.S. Diversity course, if not already completed*	3	Total credits:	14
Total credits:	16		

\*Choose elective courses as needed to total  $\geq 120.5$  credits.

*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 2007.*