



MISSISSIPPI STATE UNIVERSITY™
**COLLEGE OF AGRICULTURE
AND LIFE SCIENCES**

Department of Food Science, Nutrition, and Health Promotion

Food Science, Nutrition, and Health Promotion – Food Safety Concentration

Major Advisor: Professor Wes Schilling, Associate Professor J. Byron Williams

FDS is designed as a Pre-Veterinary option that focuses on factors affecting food safety and all coursework essential for acceptance in the College of Veterinary Medicine.

Fall Semester- Freshman

Symbol	Number	Credits	Name	Prerequisites
CH	1213	3	Fundamentals of Chemistry I	ACT Math subscore of 24 or C in MA 1313
CH	1211	1	Investigations of Chemistry I (Lab)	ACT Math subscore of 24 or C in MA 1313
CO	1003 or 1013 or 3213	3	Fundamentals of Public Speaking	None
EN	1103	3	English Composition I	ACT English subscore of 17 or EN 0103
MA	1313	3	College Algebra	ACT math subscore of 19 or a grade of C or better in MA 0103
FNH	2011	1	Career Planning and Success Skills in FSNHP	None
		3	Elective: Humanities	
		Total:17		

Spring Semester- Freshman

Symbol	Number	Credits	Name	Prerequisites
CH	1223	3	Fundamentals of Chemistry II	CH 1213 and CH 1211
CH	1221	1	Investigations of Chemistry II	CH 1213 and CH 1211
BIO	1134	4	Biology I	None
EN	1113	3	English Composition II	EN 1103
MA	1323	3	Trigonometry	MA 1313 or ACT math subscore of 24
		3	Elective: Humanities	
		Total:17		

Fall Semester- Sophomore

Symbol	Number	Credits	Name	Prerequisites
CH	4513	3	Organic Chemistry I	CH 1223
CH	4511	1	Organic Chemistry II	CH 1221
BIO	1144	4	Biology II	None
PH	1113	3	General Physics I	MA 1313 and MA 1323 or enrolled in MA 1713
AEC	2713	3	Intro. To Ag. Economics (Soc. Sci. Elective)	
		3	Fine Arts Elective	
		Total:17		

Spring Semester- Sophomore

Symbol	Number	Credits	Name	Prerequisites
PH	1123	3	General Physics II	PH 1113
CH	4523	3	Organic Chemistry II	CH 4513
CH	4521	1	Organic Chemistry Lab II	CH 4511
FNH	3111	1	FSNHP Seminar	None
AIS	3203	3	Professional Writing in Ag., Natural Resources, and Human Sciences	
		3	Elective (choose from below)	
FNH	3314	4	Introduction to Meat Science	
		Total:18		

Fall Semester- Junior

Symbol	Number	Credits	Name	Prerequisites
FNH	4583	3	Food Preservation Technology	PH
ADS	4114	4	Animal Nutrition	
BIO	3304	4	General Microbiology	
		3	Social Science Elective	
		3	Elective (Choose from below)	
		Total:17		

Spring Semester- Junior

Symbol	Number	Credits	Name	Prerequisites
MGT	3513	3	Introduction to Human Resources	
FNH	4583	3	Food Preservation Technology	
FNH	4414	4	Microbiology of Foods	
FNH	4243	3	Composition and Chemical Reactions of Foods	
FNH	4241	1	Applied Food Chemistry	
BCH	4013	3	Principles of Biochemistry	
		Total:17		

Students who are accepted into the DVM program after their Junior year will receive their B.S. degree after the successful completion of their 1st year of the DVM program. If a student does not plan to apply to the DVM program after 3 years of their B.S. program, it is recommended that they spread their courses out more and take approximately 16 credits per semester.

Fall Semester- Senior (Optional For students that do not go to vet school after their 3rd year)

Symbol	Number	Credits	Name	Prerequisites
FNH	4114	4	Analysis of Food Products	
FNH	4593	3	New Food Product Development	
AIS	4203	3	Applications of Computer Technology	
ST	2113	3	Introduction to Statistics	MA 1313
		Total:13		

Spring Semester –Senior (Optional For students that do not go to vet school after their 3rd year)

Symbol	Number	Credits	Name	Prerequisites
FNH	4164	4	Quality Assurance of Food Products	
FNH		3	Elective (Any FNH 3000 or FNH 4000 Class)	
		3	Elective (choose from below)	
		Total:10 required	Electives to 12 for full time status	

Electives (Select 6-9 credits from the following list)

ACC 2013	Principles of Financial Accounting
FNH 3142	Meats Judging I
FNH 4114	Analysis of Food Products
FNH 4143	Dairy Foods Processing
FNH 4164	Quality Assurance of Food Products
FNH 4593	New Food Product Development
ADS 1113 & ADS 1121	Animal Science and Animal Science Laboratory
ADS 3213	Livestock Growth, Development and Evaluation
ADS 3312	Livestock Management Practices
ADS 4113	Swine Science
ADS 4123	Animal Breeding
ADS 4613	Physiology of Reproduction
ADS 4611	Practices in Physiology of Reproduction

BIO 2103	Cell Biology
BIO 4413	Immunology
BIO 4514	Animal Physiology
VS 2033	Diseases of Poultry
VS 3014	Anatomy and Physiology
PO 4324	Avian Reproduction
PO 4333	Broiler Production
PO 4413	Poultry Nutrition
PO 4844	Avian Anatomy and Physiology