



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

Food Science Concentration (Sample Schedule)

Total Hours = 124

FRESHMAN YEAR

Fall Semester		Spring Semester	
EN 1103	English Composition I	EN 1113	English Composition II (EN 1103)
ADS 1111	Orientation to ADS	MA 1323 or MA 1713	Trigonometry (C in MA 1313 or MA 1103; or ACT math subscore of 24) OR Calculus I (C in MA 1323 or 1453; of ACT math subscore of 26)
ADS 1113	Animal Science		
ADS 1121	Animal Science Lab		
BIO 1134	Biology I		
FLS 1113	Spanish I	CH 1043	Survey of Chemistry II
		FLS 1123	Spanish II
		BIO 1144	Biology II

SOPHOMORE YEAR

Fall Semester		Spring Semester	
ST 2113 or MA 2113	Intro to Statistics (C in MA 1103, MA 1313, or MA 1213 or ACT math subscore of 24)	AEC 2713, EC 2113, or EC 2123	Intro to Food & Resource Economics OR Principles of Macroeconomics OR Principles of Microeconomics
CH 1053	Survey of Chemistry II (CH 1043)	CH 2503 or CH 4513	Elem Organic Chem (CH 1213 or CH 1043) OR Organic Chem I (C in CH 1223 or CH 1244)
CH 1051	Experimental Chemistry		
ADS 3013	Anatomy & Physiology (BIO 1134 or 1144)	CH 2501 or CH 4511	Elem Organic Chem Lab (CH 1211 or CH 1051) OR Organic Chemistry I Lab (C or better in CH 1221 and CH 1223 or CH 1244)
ADS 3031	Anatomy & Physiology Lab		
ADS 3313	Intro to Meat Science (SO)	PO 3103	Genetics I (MA 1313, BIO 2113)
ADS 3311	Meat Processing Lab (SO)	ADS 3142	Meats Judging I
			Food Science Elective (3)

JUNIOR YEAR

Fall Semester		Spring Semester	
ADS 2111	ADS Career Planning (ADS 1111)	ADS 4213	Feeds and Feeding (ADS 4114/6114)
ADS 4114	Animal Nutrition (CH 2503 and CH 2501 or CH 4513 and CH 4511)	BCH 4013 or BCH 4603	Principles of Biochemistry (CH 2503, BIO 1134 or eq.) OR General Biochemistry I (CH 4564, CH 4523/6523 or consent) Animal Breeding (PO/BIO 3103 and ST/ MA/BQA 2113)
ADS 4613	Physiology of Reproduction (BIO 1134/1144 and ADS 3013)	ADS 4124	
ADS 4611	Practices in Physiology of Reproduction		Social Science Elective (3)
	Food Science Elective (4)		Creative Discovery (3)
	Food Science Elective (3)		

SENIOR YEAR

Fall Semester		Spring Semester	
ADS 3214	Growth and Development (ADS 1113 and ADS 1121 or ADS 1114 and ADS 3013)	ADS 4420, ADS 4440, or ADS 4520	Experiential Learning
BIO 3304	General Microbiology (CH 1053 or CH 1223)	FNH 4164	Quality Assurance of Food Products
	Production Elective (4)	ADS 4221	Capstone in ADS (Sr.)
	Food Science Elective (4)		Production Elective (4)
			Food Science Elective (3)



2025–2026 APPROVED ELECTIVES LIST
ANIMAL AND DAIRY SCIENCES
Food Science Concentration

SOCIAL SCIENCE ELECTIVES		PRODUCTION ELECTIVES	
<small>(MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)</small>		ADS 4223/31	Horse Mgt & Prac. in Horse Care Lab
ADS 1013	Animal Agriculture & Society: Food for Thought	ADS 4113/1	Swine Science & Swine Prod Lab
AEC 2713	Introduction to Food and Resource Economics	ADS 4213/11	Goat & Sheep Prod & Lab
AN 1103	Introduction to Anthropology	ADS 4323/1	Beef Cattle Science & Lab
AN 1143	Introduction to Cultural Anthropology	ADS 4513/1	Companion Animal Mgt & Lab
AN 1543	Introduction to Archaeology	ADS 4813/1	Dairy Farm Mgt & Lab
AN 2403	Introduction to the Study of Language	PO 4334	Broiler Production
CO 1223	Introduction to Communication Theory	FOOD SCIENCE ELECTIVES	
CO 1403	Introduction to the Mass Media	FNH 2112	Food Products Evaluation
EC 1033	Economics of Social Issues	FNH 4114	Analysis of Food Products
EC 2113	Prin of Macroeconomics (SO)	FNH 4164	Quality Assurance of Food Products
EC 2123	Prin of Microeconomics (SO)	FNH 4241	Applied Food Chemistry
EN 2403	Introduction to the Study of Language	FNH 4333	Food Law
EPY 2513	Human Growth and Development	FNH 4414	Microbiology of Foods
EPY 3503	Principles of Educational Psychology	FNH 4583	Food Preservation Techniques
EPY 3543	Psychology of Adolescence	FNH 4593	New Food Product Development
FO 4113	Forest Resource Economics (AEC 2713)		
GR 1123	Introduction to World Geography		
GR 2013	Cultural Geography		
HDFS 1813	Development through the Lifespan		
HON 1173	The West and the Wider World		
HON 3143	Hon Seminar in Soc Sci (SO)(EN 1103, EN 1113)		
PO 1013	Animal Agriculture & Society: Food for Thought		
PS 1113	American Government		
PS 1313	Introduction to International Relations		
PS 1513	Comparative Government		
PSY 1013	General Psychology		
PSY 3073	Psychology of Interpersonal Relations (PSY1013)		
SO 1003	Introduction to Sociology		
SO 1103	Contemporary Social Problems		
SO 1203	Sociology of Families		
CREATIVE DISCOVERY ELECTIVES			
<small>(MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)</small>			
AAS 1103	African American Music		
ARC 1013	Architectural Appreciation		
ART 1013	Art History Pre-1300's		
ART 1023	Art History Post-1300's		
ART 1113	Art Appreciation		
ART 2063	Global Contemporary Art		
ART 2413	Appreciation of Arts and Crafts Movement		
CO 1503	Intro to the Theatre		
HON 3173	Honors Seminar in Fine Arts (SO) (EN 1113)		
ID 3643	History of Interiors I		
LA 1803	Landscape Architecture Appreciation		
MU 1103	African American Music		
MU 1113	His & Appr of Music		
MU 1123	American Music App		
MU 1133	History of Rock and Roll		
MU 1143	Hist & Appr of Dance		
PSS 2343	Floral Design		