



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

*Department of Animal & Dairy Sciences*

**Animal & Dairy Sciences (124 Hours) - 3 Concentrations Available**

**Freshman Year**

Fall Semester (14-15 hours)			Spring Semester (17 hours)		
EN 1103	English Composition I	3	EN 1113	English Composition II	3
MA 1323	Trigonometry	3	BIO 1134/4	Biology I or II+	4
ADS 1113	Animal Science	3	_____	Fine Arts*	3
ADS 1121	Animal Science Lab	1	_____	General Ag Elective	3
ADS 1111	Orientation	1	CH_____	Chemistry+	3-4
CH _____	Chemistry+	3-4			

**Sophomore Year**

Fall Semester (16 hours)			Spring Semester (13-16 hours)		
CH_____	Chemistry+	3-4	ADS 2111	Career Planning	1
_____	Social Science*	3	MA/ST 2113	Introduction to Statistics	3
ADS 3013/31	A&P		PO 3103	Genetics	3
_____	CONCENTRATION	3	_____	CONCENTRATION	3-4
_____	Free elective	3	_____	CONCENTRATION	3-4
			_____	Humanities*	3

**Junior Year**

Fall Semester (14-15 hours)			Spring Semester (16-17 hours)		
ADS 4613	Reproduction	3	ADS 3313/3311	Meat Science	4
ADS 4611	Repro Lab	1	_____	CONCENTRATION	3
ADS 4114	Nutrition	4	ADS 4124	Animal Breeding	4
_____	CONCENTRATION	3	_____	CONCENTRATION	2-3
_____	General Ag Elective	3	ADS 4213	Feeds & Feeding	3

**Senior Year**

Fall Semester (15 hours)			Spring Semester (13 hours)		
_____	CONCENTRATION	3	ADS 4221	Capstone	1
_____	CONCENTRATION	3	_____	Experiential Learning	3
_____	Social Science*	3	_____	CONCENTRATION	3
_____	General Ag Elective	3	_____	CONCENTRATION	3
_____	Free Elective	3	_____	Free Elective	3
			_____	Humanities*	3

Students are required to earn a 'C' or better in ADS 1113 & 1121.

\*Choose from General Education core  
 Lab Sciences+ differ by concentration.

CONCENTRATION Courses: See Listings on Back

**Business and Industry**

CH 1043 & 1053/1	Survey of Chemistry seq.
or CH 1213/1 & 1223/1	Chemistry I & II seq.
CH 2503/2501	Elem. Organic Chem & lab
or CH 4513/4511	Organic Chem & lab
2 Evaluation Electives	(4 hours)
2 Production Electives	(8 hours)
4 Business Electives	(12 hours)
General Ag Electives	(15 hours)
Free Electives	(7 hours)

**Production Management**

CH 1043 & 1053/1	Survey of Chemistry seq.
or CH 1213/1 & 1223/1	Chemistry I & II seq.
CH 2503/2501	Elem. Organic Chem & lab
or CH 4513/4511	Organic Chem & lab
2 Evaluation Electives	(4 hours)
4 Production Electives	(16 hours)
2 Business Electives	(6 hours)
PSS Elective	(3 hours)
General Ag Electives	(12 hours)
Free Electives	(5 hours)

**Pre-Vet/Science**

CH 1213 & 1211	Chemistry I & lab
CH 1223 & 1221	Chemistry II & lab
CH 2503/2501	Elem. Organic Chem & lab
or CH 4513/4511	Organic Chem & lab
BIO 1134	Biology I
BIO 1144	Biology II
BIO 3304	Microbiology
BCH 4013	Prin Biochemistry
or BCH 4603	General Biochemistry
CO 1003	Fund Public Speaking
or CO 1013	Intro to Communication
1 Evaluation Electives	(2 hours)
2 Production Electives	(8 hours)
Science Electives	(12 hours)
Free Electives	(9 hours)

**Evaluation Electives**

ADS 2102	Equine Conformation & Perf Eval
ADS 2202	Companion Animal Eval
ADS 3142	Meats Judging I
ADS 3312	Livestock Mgmt Practices
ADS 3812	Dairy Cattle Appraisal
ADS 4212	Livestock Eval ADS
4232	Adv Livestock Eval
FNH 2112	Food Products Eval

**Production Electives**

PO 3313	Commercial Poultry Production
PO 4333	Broiler Production
ADS 3214	Growth & Development
ADS 4223/31	Horse Mgt & Prac. in Horse Care Lab
ADS 4113/1	Swine Science & Swine Prod Lab
ADS 4223/1	Goat & Sheep Prod & Lab
ADS 4323/1	Beef Cattle Science & Lab
ADS	
ADS 4513/1	Companion Animal Mgt & Lab
ADS 4813/1	Dairy Farm Mgt & Lab
FNH 2112	Food Products Eval

**Business Electives**

ACC 2013	Prin Financial Accounting
AEC 2713	Intro Food & Resource Econ
AEC 3133	Intro Agribusiness Mgt
AEC 3213	International Trade in Ag
AEC 3233	Intro Environmental Econ
AEC 3413	Intro to Food Marketing
AEC 3513	Intro Food & Fiber Prod
AEC 4123	Financial & Comm Futures
AEC 4133	Analysis Food Mkts & Prices
AEC 4343	Adv Farm Management
AEC 4413	Public Problems of Ag
EC 2113	Prin Macroeconomics
EC 2123	Prin Microeconomics
EC 4323	International Econ
MGT 3114	Prin Management & Prod
MKT 3013	Principles of Marketing

**PSS Electives**

PSS 1313	Plant Science
PSS 3133	Intro Weed Science
PSS 3303	Soils
PSS 4103	Forage and Pasture Crops
PSS 4123	Grain Crops

**Science Electives**

See website for full list

**General Ag Electives**

See website for full list