



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 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
VS 3014	A&P	4	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 (15-16 hours)		
ADS 4613	Reproduction	3	ADS 3314	Meat Science	4
ADS 4611	Repro Lab	1	_____	CONCENTRATION	3
ADS 4114	Nutrition	4	_____	Experiential Learning	3
PSS _____	PSS Elective	3	_____	CONCENTRATION	2-3
_____	General Ag Elective	3	ADS 4213	Feeds & Feeding	3
_____	Humanities*	3			

Senior Year

Fall Semester (16 hours)			Spring Semester (15 hours)		
_____	CONCENTRATION	3	ADS 4221	Capstone	1
_____	CONCENTRATION	3	ADS 4123	Animal Breeding	3
_____	Social Science*	3	_____	CONCENTRATION	3
_____	General Ag Elective	3	_____	CONCENTRATION	3
_____	Free Elective	3	_____	Free Elective	3

Courses printed in italic are taught only in the Fall or Spring semester, as listed.

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	(4-5 hours)
2 Production Electives	(6-8 hours)
4 Business Electives	(12 hours)
General Ag Electives	(12 hours)
Free Electives	(6-10 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	(4-5 hours)
4 Production Electives	(12-16 hours)
2 Business Electives	(6 hours)
General Ag Electives	(12 hours)
Free Electives	(4-10 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 Biochemisry
CO 1003	Fund Public Speaking
or CO 1013	Intro to Communiation
1 Evaluation Electives	(2-3 hours)
2 Production Electives	(6-8 hours)
Science Electives	(12 hours)
Free Electives	(6-9 hours)

Evaluation Electives

ADS 2102	Equine Conformation & Perf Eval
ADS 2122	Adv Equine Conf & Perf Eval
ADS 3142	Meats Judging I
ADS 3213	Livestock Growth, Dev, & Eval
ADS 3812	Dairy Cattle Appraisal
ADS 4212	Livestock Eval
ADS 4232	Adv Livestock Eval
FNH 2112	Food Products Eval

Production Electives

ADS 2223	Companion Animal
PO 4333	Broiler Production
PO 3313	Commercial Poultry Production
ADS 3223/1	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 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 Evironmental Econ
AEC 3513	Intro Food & Fiber Prod
AEC 4123	Financial & Comm Futures
AEC 4133	Analysis Food Mkts & Prices
AEC 4343	Adv Firm 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