



Animal and Dairy Sciences Production Management Concentration (Sample curricula)

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 sub-score of 24) OR Calculus I (C in MA 1323 or 1453; of ACT math sub-score of 26)
ADS 1113	Animal Science		
ADS 1121	Animal Science Lab (ADS 1113)		
BIO 1134	Biology I		
	Creative Discovery Elective (3)	CH 1043	Survey of Chemistry I
		CH 1051	Experimental Chemistry
		ADS 3013	Anatomy & Physiology (BIO 1134 or 1144)
		ADS 3031	Anatomy & Physiology Lab (ADS 3013)
			Evaluation Elective (2)

SOPHOMORE YEAR

Fall Semester		Spring Semester	
AEC 2713, EC 2113, or EC 2123	Intro to Food & Resource Economics OR Principles of Macroeconomics OR Principles of Microeconomics	PO 3103	Genetics I (MA 1313, BIO 1134, BIO 2113, or BIO 1134)
CH 1053	Survey of Chemistry II (CH 1043)	CH 2501 or CH 4511	Elem Organic Chem Lab (CH 1211 or CH 1051) or Organic Chemistry I Lab (C in CH 1221 and CH 1223 or CH 1244)
ST 2113 or MA 2113	Intro to Statistics (C in MA 1103, MA 1313, or MA 1213 or ACT math sub-score of 24)	CH 2503 or CH 4513	Elem Organic Chem (CH 1211 or CH 1051 or C in CH 1221 and CH 1223 or CH 1244) OR Organic Chem I (C in CH 1223 or CH 1244)
	Business Elective (3)		Humanities Elective (3)
	General Agriculture Elective (3)		Social Science Elective (3)
			Evaluation Elective (2)

JUNIOR YEAR

Fall Semester		Spring Semester	
ADS 2111	ADS Career Planning (ADS 1111)	ADS 3214	Growth and Development (ADS 1113, ADS 1121, and ADS 3014)
ADS 3313	Intro to Meat Science (SO)	ADS 4124	Animal Breeding (PO/BIO 3103 and ST/MA/ BQA 2113)
ADS 3311	Meat Processing Lab (SO)	ADS 4213	Feeds and Feeding (ADS 4114/6114)
ADS 4114	Animal Nutrition (CH 2503 and CH 2501 OR CH 4513 and CH 4511)		Production Elective (4) (ADS 1113, ADS 1121, and ADS 3013)
	Humanities Elective (3)		
	Production Elective (4) (ADS 1113, ADS 1121, and ADS 3013)		

SENIOR YEAR

Fall Semester		Spring Semester	
ADS 4613	Physiology of Reproduction (BIO 1134/1144 and ADS 3013)	ADS 4221	Capstone in ADS (Sr.)
ADS 4611	Practices in Physiology of Reproduction		Production Elective (4) (ADS 1113, ADS 1121 & ADS 3103)
ADS 4420, ADS 4440, or ADS 4520	Experiential Learning		Business Elective (3)
PSS 4103	Forage and Pasture (Jr.)		General Agriculture Elective (3)
	General Agriculture Elective (3)		Free Elective (5)
	Production Elective (4) (ADS 1113, ADS 1121, and ADS 3013)		



2025–2026 APPROVED ELECTIVES LIST

ANIMAL AND DAIRY SCIENCES

Production Management Concentration

CREATIVE DISCOVERY ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)		HUMANITIES ELECTIVES (MUST SATISFY MSU GENERAL EDUCATION) (6 HOURS)	
AAS 1103	African American Music	AAS 1063	Intro to African American Studies
ARC 1013	Architectural Appreciation	ARC 2313	History of Architecture I
ART 1013	Art History Pre-1300's	ARC 3313	History of Architecture II (ARC 2313)
ART 1023	Art History Post-1300's	EN/FL 2123	Greek and Latins Roots of English
ART 1113	Art Appreciation	EN 2203	Intro to Lit (EN 1103, EN 1113)
ART 2063	Global Contemporary Art	EN 2213	English Lit Before 1800 (EN 1103, EN 1113)
ART 2413	Appreciation of Arts and Crafts Movement	EN 2223	English Lit After 1800 (EN 1103, EN 1113)
CO 1503	Intro to the Theatre	EN 2243	American Lit Before 1865 (EN 1103, EN 1113)
HON 3173	Honors Seminar in Fine Arts (SO) (EN 1113)	EN 2253	American Lit After 1865 (EN 1103, EN 1113)
ID 3643	History of Interiors I	EN 2273	World Lit Before 1600 (EN 1103, EN 1113)
LA 1803	Landscape Architecture Appreciation	EN 2283	World Lit After 1600 (EN 1103, EN 1113)
MU 1103	African American Music	FL 1113-2143	Foreign Language
MU 1113	His & Appr of Music	HI 1063	Early US History
MU 1123	American Music App	HI 1073	Modern US History
MU 1133	History of Rock and Roll	HI 1163	World History Before 1500
MU 1143	Hist & Appr of Dance	HI 1173	World History After 1500
PSS 2343	Floral Design	HI 1213	Early Western World
EVALUATION ELECTIVES		HI 1223	Modern Western World
ADS 2102	Equine Conformation & Perf Eval	HI 1313	East Asian Civ to 1300
ADS 2202	Companion Animal Eval	HI 1323	East Asian Civ II
ADS 3142	Meats Judging I	HI 4683	Europe: WWI to Hitler (one HI course)
ADS 3812	Dairy Cattle Appraisal	HON 1163	The Quest Begins
ADS 4212	Livestock Eval ADS	HON 3183	Hon Sem in the Hum (SO)(EN 1103, EN 1113)
ADS 4232	Adv. Livestock Eval	PHI 1103	Intro to Philosophy
FNH 2112	Food Products Eval	PHI 1113	Intro to Logic
BUSINESS ELECTIVES		PHI 1123	Intro to Ethics
ACC 2013	Prin Financial Accounting	PHI 3023	History of Western Philosophy I
AEC 2713	Intro Food & Resource Econ	PHI 3033	History of Western Philosophy II
AEC 3133	Intro Agribusiness Mgt	PHI 3153	Aesthetics
AEC 3213	International Trade in Ag	REL 1103	Intro to Religion
AEC 3233	Intro Environmental Econ	REL 3213	World Religions I
AEC 3413	Intro to Food Marketing	REL 3223	World Religions II
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		



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ANIMAL AND DAIRY SCIENCES

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SOCIAL SCIENCE ELECTIVES		PRODUCTION ELECTIVES	
(MUST SATISFY MSU GENERAL EDUCATION) (3 HOURS)		PO 3313	Commercial Poultry Production
ADS 1013	Animal Agriculture & Society: Food for Thought	PO 4333	Broiler Production
AEC 2713	Introduction to Food and Resource Economics	ADS 3214	Growth & Development
AN 1103	Introduction to Anthropology	ADS 4223/31	Horse Mgt & Prac. in Horse Care Lab
AN 1143	Introduction to Cultural Anthropology	ADS 4113/1	Swine Science & Swine Prod Lab
AN 1543	Introduction to Archaeology	ADS 4223/1	Goat & Sheep Prod & Lab
AN 2403	Introduction to the Study of Language	ADS 4323/1	Beef Cattle Science & Lab
CO 1223	Introduction to Communication Theory	ADS 4513/1	Companion Animal Mgt & Lab
CO 1403	Introduction to the Mass Media	ADS 4813/1	Dairy Farm Mgt & Lab
EC 1033	Economics of Social Issues	FNH 2112	Food Products Eval
EC 2113	Prin of Macroeconomics (SO)	GENERAL AG ELECTIVES	
EC 2123	Prin of Microeconomics (SO)	See Advisor For Full List	
EN 2403	Introduction to the Study of Language		
EPY 2513	Human Growth and Development		
EPY 3503	Principles of Educational Psychology		
EPY 3543	Psychology of Adolescence		
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		