

Name:	netID:	Term/Year of Program Entry:
-------	--------	-----------------------------

General Education	Semester/Yr
English Composition -EN 1103 English Comp I OR EN 1163 Accelerated Comp I -EN 1113 English Comp II OR EN 1173 Accelerated Comp II	_____
Mathematics -MA 1323 Trigonometry OR MA 1713 Calculus -ST 2113 Statistics	_____
Humanities* (6 hrs) _____ _____	_____
Fine Arts* (3 hrs) _____	_____
Social/Behavioral Science* (6 hrs) AEC 2713, EC 2113 OR EC 2123	_____

*Refer to Undergraduate Bulletin for Humanities, Fine Arts & Social/Behavioral Science course options.

Major Core	Semester/Yr
- ADS 1111 Orientation to ADS	_____
-ADS 2111 Career Planning	_____
-ADS 1113 Animal Science	_____
-ADS 1121 Animal Sci Lab	_____
-ADS 3014 A & P	_____
-PO 3103 Genetics	_____
-ADS 3314 Meat Science	_____
-ADS 4114 Animal Nutrition	_____
-ADS 4213 Feeds & Feeding	_____
-ADS 4124 Animal Breeding	_____
-ADS 4613 Phys. of Repro	_____
-ADS 4611 Repro Lab	_____
-ADS 4221 Capstone	_____
Plant & Soil Sciences Elective (3 hrs)+	_____
Experiential Learning (3 hrs)	_____
- ADS 4420 Internship	_____
- ADS 4440 Undergraduate Research	_____
- ADS 4520 Extension Experience	_____
-Study Abroad	_____

Pre-Vet Concentration Requirements	Semester/Yr
- CH 1213 Inorganic Chemistry I	_____
- CH 1211 Inorganic Chemistry I lab	_____
- CH 1223 Inorganic Chemistry II	_____
- CH 1221 Inorganic Chemistry II lab	_____
Organic Chemistry	_____
- CH 2503 Elementary Organic Chemistry &	_____
- CH 2501 Elementary Organic Chem Lab	_____
OR	_____
- CH 4513 Organic Chemistry &	_____
- CH4511 Organic Chemistry Lab	_____
Biology	_____
-BIO 1134 General Biology I	_____
-BIO 1144 General Biology II	_____
-BIO 3304 Microbiology	_____
Biochemistry	_____
- BCH 4013 Principles of Biochemistry OR	_____
- BCH 4603 General Biochemistry	_____
Communication	_____
- CO 1003 Fundamentals of Public Speaking	_____
OR	_____
- CO 1013 Introduction to Communication	_____
Production Electives+ (8 hrs; must include lab course)	_____
_____	_____
Evaluation & Mgt Elective+ (2 hrs)	_____
_____	_____
Science Electives+ (12 hrs)	_____
_____	_____
_____	_____
_____	_____
-> Pre-vet students should take Organic Chemistry II, Physics I and Physics II in this area to also meet MSU CVM requirements.	_____
Free Electives (6 hrs)	_____
_____	_____
_____	_____

+ Consult advisor for list of approved courses.

SCIENCE ELECTIVES ----->

**Students pursuing veterinary medicine at MSU CVM should take Physics I, Physics II and Organic Chemistry II (lecture & lab).

Ag Production Electives

ADS	2223	Companion Animal
ADS	2221	Companion Animal Management Laboratory
ADS	3214	Livestock Growth & Development
ADS	3223	Horse Management
ADS	3221	Practices in Horse Care & Management
ADS	4113	Swine Science
ADS	4111	Swine Production & Management Laboratory
ADS	4223	Goat and Sheep Production
ADS	4211	Goat & Sheep Production Laboratory
ADS	4323	Beef Cattle Science
ADS	4321	Beef Production Laboratory
ADS	4813	Dairy Farm Management
ADS	4811	Dairy Farm Management Laboratory
PO	3313	Commercial Poultry Production
PO	4334	Broiler Production

Evaluation & Management Electives

ADS	2101	Equine Confirmation and Performance Evaluation
ADS	2122	Advanced Equine Evaluation
ADS	3142	Meats Judging I
ADS	3312	Livestock Management Practices
ADS	3812	Dairy Cattle Appraisal
ADS	4212	Livestock Evaluation
ADS	4232	Advance Livestock Evaluation
FNH	2112	Food Products Evaluation

PLANT & SOIL SCIENCES ELECTIVE

PSS	1313	Plant Science
PSS	3133	Introduction to Weed Science
PSS	3303	Soils
PSS	4103	Forage & Pasture Crops
PSS	4123	Grain Crops
PSS	4133	Fiber and Oilseed Crops
PSS	4313	Soil Fertility and Fertilizers

ABE	3413	Bioinstrumentation
ABE	4263	Soil and Water Management
ABE	4423	Bioinstrumentation II
ADS	3214	Livestock Growth & Development
ADS	4623	Physiology of Lactation
ADS	4333	Equine Exercise Physiology
ADS	4633	Immunology and Disease in Large Livestock Species
ADS	4543	Applied Animal Biotechnology
BCH	4113	Essential of Molecular Genetics
BCH	4414	Protein Methods
BCH	4603	General Biochemistry I
BCH	4613	General Biochemistry II
BCH	4713	Molecular Biology
BIO	2103	Cell Biology
BIO	3104	Ecology
BIO	3113	Marine Biology
BIO	3213	Biology of Reptiles and Amphibians
BIO	3223	Biology of Fishes
BIO	3233	Biology of Birds
BIO	3303	Parasitology
BIO	3504	Comparative Anatomy
BIO	3524	Biology of Vertebrates
BIO	4113	Evolution
BIO	4114	Cellular Physiology
BIO	4233	Living with Global Change
BIO	4324	Microbiology and Ecology of Soil
BIO	4404	Environmental Microbiology
BIO	4405	Pathogenic Microbiology
BIO	4413	Immunology
BIO	4414	Microbiology of Foods
BIO	4433	Principles of Virology
BIO	4443	Bacterial Genetics
BIO	4503	Vertebrate Histology
BIO	4514	Animal Physiology
CH	4521	Organic Chemistry Laboratory II
CH	4523	Organic Chemistry II
CVM	4513	Environmental Toxicology
CVM	4523	Basic Neuroscience
EPP	4113	Principles of Plant Pathology
EPP	4154	General Entomology
FNH	2112	Food Products Evaluation
FNH	4114	Analysis of Food Products
FNH	4143	Dairy Foods Processing
FNH	4164	Quality Assurance of Food Products
FNH	4173	Food Packaging
FNH	4241	Applied Food Chemistry
FNH	4243	Composition and Chemical Reactions of Foods
FNH	4313	Advanced Science of Muscle Foods
FNH	4333	Food Law
FNH	4514	Poultry Processing
FNH	4553	Current Issues in Food Science
FNH	4563	Food Products Evaluation
FNH	4583	Food Preservation Technology
FNH	4593	New Food Product Development
FNH	4313	Advanced Science of Muscle Foods
PH	1113	General Physics I
PH	1123	General Physics II
PH	1133	General Physics III
PH	2213	Physics I
PH	2223	Physics II
PO	4844	Avian Anatomy and Physiology
PO	4324	Avian Reproduction
PO	4033	Diseases of Poultry
PSS	4503	Plant Breeding
PSS	4555	Plant Growth and Development