

Name:	SS#:	Phone:
Catalog Date:	Concentration (required):	Minor(s):

ANS Department Requirements for All Majors:

(All majors must have 30 total ANS credits)

AGRI 165	Mastering the Freshman Year	1	
BISC 207	Intro Biology I	4	
BISC 208	Intro Biology II	4	
CHEM 101 or 103	General Chemistry I	4	
CHEM 102 or 104	General Chemistry II	4	
ANSC 101	Intro Animal Science	3	
ANSC 111	Intro Animal. Science Lab	1	
ANSC 140	Functional Anatomy	4	
ANSC 251	Livestock Nutrition	4	
ANSC 265	Sophomore Seminar	1	
ANSC 300	Principles of Genetics	3	
ANSC 332	Animal Diseases	3	
ANSC 4__	_____ Production	4	

General ANS Concentration (at least 7 credits in ANSC)

MATH 115	Pre-Calculus	3	
ANSC 345, 441 or 442	Physiology course	3-4	
ANSC ____	ANS Elective(s)	4-3	

Pre-Vet Concentration

ANSC 310	Genetics Lab	1	
ANSC 345	Comparative Physiology	4	
ANSC ____	ANS Elective(s)	2	
MATH 221	Calculus	3	
BISC 300	Intro to Microbiology	4	
CHEM 321	Organic Chemistry	4	
CHEM 322	Organic Chemistry	4	
CHEM 214/216, 527, or 641/642	Biochemistry	3-6	
PHYS 201	Intro Physics I	4	
PHYS 202	Intro Physics II	4	

Applied ANS Concentration

MATH 115	Pre Calculus	3	
CHEM 213	Elementary Organic	4	
CHEM 214	Elementary Biochemistry	3	
CHEM 216	Elementary Biochemistry Lab	1	
*ENWC 205	Elements of Entomology	3	
*FREC 150	Economics of Ag & NR	3	
*PLSC 151	Intro to Crop Science	3	
*PLSC 204	Intro to Soil Science	3	
ANSC 441	Reproductive Physiology	3	
ANSC 4__	_____ Production (2 nd production course)	4	

*Can be used to fill Ag & Bio Sciences Requirement as well.

Animal Biotech Concentration

ANSC 270	Biotech: Science/Socio	3	
ANSC 310	Genetics Lab	1	
ANSC 345 or ANSC 436 or BISC 300	Physiology course	3 - 4	
ANSC 466	Approved Research	3	
ANSC 470	Molecular Genetics	3	
MATH 221	Calculus	3	
BISC 401	Molecular Biology	4	
CHEM 321	Organic Chemistry	4	
CHEM 322	Organic Chemistry	4	
CHEM 214/216, 527, or 641/642	Biochemistry	3-6	
PHYS 201	Intro Physics I	4	
PHYS 202	Intro Physics II	4	

Department requirements are approved by your advisor and the department chair or designee:

Advisor's Signature: _____
Department Designee: _____
(over for University/College requirements)

