Name ______________________________

*** 120 Total Hours Required for Graduation ***

45 hours must be at the 300 level or above

**GENERAL COURSES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>ASI 101</td>
<td></td>
<td>Found in ASI (freshman)-OR-</td>
</tr>
<tr>
<td>GENAG 200</td>
<td></td>
<td>Topics in Ag (transfer)              0-3</td>
</tr>
<tr>
<td>BIOL 198</td>
<td></td>
<td>Principles of Biology                4</td>
</tr>
<tr>
<td>CHM 210*</td>
<td></td>
<td>Chemistry I                          4</td>
</tr>
<tr>
<td>COMM 105*</td>
<td></td>
<td>Public Speaking IA                   2</td>
</tr>
<tr>
<td>ENGL 100*</td>
<td></td>
<td>Expository Writing I                 3</td>
</tr>
<tr>
<td>ENGL 200*</td>
<td></td>
<td>Expository Writing II                3</td>
</tr>
<tr>
<td>MATH 100</td>
<td></td>
<td>College Algebra                      3</td>
</tr>
</tbody>
</table>

**COMMUNICATIONS**

(Select 1)

<table>
<thead>
<tr>
<th>Course</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGCOM 400</td>
<td></td>
<td>Ag Bus Comm                          3</td>
</tr>
<tr>
<td>COMM 311</td>
<td></td>
<td>Bus Prof Speaking                    3</td>
</tr>
<tr>
<td>COMM 321</td>
<td></td>
<td>Pub Speaking II                      3</td>
</tr>
<tr>
<td>ENGL 510</td>
<td></td>
<td>Intro to Prof Writing                3</td>
</tr>
<tr>
<td>ENGL 516</td>
<td></td>
<td>Written Comm for Sci                 3</td>
</tr>
<tr>
<td>MC 110</td>
<td></td>
<td>Mass Comm in Soc                     3</td>
</tr>
</tbody>
</table>

More courses listed on the back.

**BUSINESS & ECONOMICS**

2 courses (minimum 6 hours) 

**Course list on the back.**

**AGRICULTURE**

Two courses from 2 other AG Depts. 

(Minimum 5 hours-1 hr courses do not apply) 

**Course list on the back.**

**BIO SCIENCES**

<table>
<thead>
<tr>
<th>Course</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>BIOL 455*</td>
<td></td>
<td>Gen Microbiology                     4</td>
</tr>
<tr>
<td>BIOCH 521*</td>
<td></td>
<td>Gen Biochem                          3</td>
</tr>
</tbody>
</table>

**CHEMISTRY**

(Minimum 9 hours including lab)

<table>
<thead>
<tr>
<th>Course</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 230*</td>
<td></td>
<td>Chemistry II                         4</td>
</tr>
<tr>
<td>CHM 350*</td>
<td></td>
<td>Gen Organic Chem                     3</td>
</tr>
<tr>
<td>CHM 531</td>
<td></td>
<td>Organic Chem I                       3</td>
</tr>
<tr>
<td>CHM 550</td>
<td></td>
<td>Organic Chem II                      3</td>
</tr>
</tbody>
</table>

(Select 1 lab)

<table>
<thead>
<tr>
<th>Course</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>CHM 351*</td>
<td></td>
<td>Gen Organic Chem Lab                 2</td>
</tr>
<tr>
<td>CHM 532</td>
<td></td>
<td>Organic Chem Lab                     2</td>
</tr>
</tbody>
</table>

**MATH/PHYS/STAT**

(Minimum 6 hours)

<table>
<thead>
<tr>
<th>Course</th>
<th>Catalog Number</th>
<th>Description</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 150 to 799</td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 113*</td>
<td></td>
<td>Gen Physics I                        4</td>
</tr>
<tr>
<td>PHYS 114*</td>
<td></td>
<td>Gen Physics II                       4</td>
</tr>
<tr>
<td>STAT 325</td>
<td></td>
<td>Intro to Statistics -OR-             3</td>
</tr>
<tr>
<td>STAT 340</td>
<td></td>
<td>Biometrics I -OR-                    3</td>
</tr>
<tr>
<td>STAT 350</td>
<td></td>
<td>Business Econ Stat                   3</td>
</tr>
</tbody>
</table>

**HUMANITIES/SOCIAL SCIENCE**

**ECON 110**  Prin Macroeconomics 3

(Select 6 hours)  

Course list on the back.

*The KSU Veterinary School requires a minimum of 12 hours in humanities/social science. The vet school counts AGEC 120 as a humanities/social science course.

**K-STATE 8 REQUIREMENTS**

- Each student must successfully complete credit-bearing courses/experiences to cover all of the K-State 8 areas.
- A minimum of four different course prefixes (e.g., AGEC, MATH, FSHS, COMM) must be represented.
- When a course is tagged for two K-State 8 areas, the student may count that course toward both areas.

<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Emp/Quant Art</td>
<td>BIOL 198</td>
</tr>
<tr>
<td>Ethical</td>
<td>ECON 110</td>
</tr>
<tr>
<td>Global</td>
<td>CHM 210</td>
</tr>
<tr>
<td>Historical</td>
<td>ECON 110</td>
</tr>
<tr>
<td>Diversity</td>
<td></td>
</tr>
<tr>
<td>Nat/Phys Sci</td>
<td></td>
</tr>
<tr>
<td>Social</td>
<td></td>
</tr>
</tbody>
</table>

**UNRESTRICTED ELECTIVES**

- Required Pre-Vet Courses for K-State (always check the requirements for other schools you are considering applying to as requirements vary from school-to-school)

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Animal Sciences & Industry
KANSAS STATE UNIVERSITY
College of Agriculture
Communications Courses:
Ag Communications – AGCOM 310, 400, 410, 590, 610 & 712
Animal Sciences & Industry – ASI 326, 420, 470, & 495
Communications – COMM any course 311 or higher
English – ENGL 300, 417, 510, & 516

Business/Economics Courses:
Accounting - ACCTG 231 to 799
Agricultural Economics – AGEC 120, 202 to 420, 445 to 799
Economics - ECON 505 to 799
Entrepreneurship – Any course
Family Studies – PFP 105 or PFP 305

Humanities/Social Science Courses: (Max 3 hrs from participatory courses. Must be taken from more than one department.)
American Ethnic Studies – AMETH 160 to 501
Anthropology – Any course
Architecture – ARCH 301
Art – Any course
Dance – DANCE 120 to 200, 225 to 420, 495 to 690
Engineering – DEN 325, 450
Economics - ECON 300 to 799
English – ENGL 150, 210 to 299, 310 to 399, 420 to 499,
536 to 599, 605 to 660, 670 to 695, 700 to 760, 790 to 799
Environmental Design – ENV 250, 251
Family Studies and Human Services – Any course
Geography – GEOG 100, 200, 201, 300 to 799 NOT 321

Ag Courses: (1-hour courses do not apply)
Ag Communications – Any course
Ag Economics – Any course
Ag Technology Management – Any course
ASI 660 – Study Abroad
AGRONOMY – Any course

Upper Level ASI Electives:
Minimum of 12 hours with 9 hours ≥ 500, no more than 6 hours may be taken from ASI 561, 599, 660 or ASI 661.
ASI 310 Poultry and Poultry Product Evaluation
ASI 315 Livestock and Meat Evaluation
ASI 325 Beginning Horse Evaluation
ASI 326 Advanced Horse Evaluation
ASI 333 Equine Enterprise Management
ASI 345 Beginning Horse Training and Mgmt
ASI 350 Meat Science
ASI 361 Meat Animal Processing
ASI 370 Principles of Meat Evaluation
ASI 385 Wool Grading and Evaluation
ASI 395 Intermediate Horse Training & Mgmt
ASI 396 Dairy Cattle Judging
ASI 401 Farm Animal Reproduction Laboratory
ASI 402 Calving
ASI 403 Foaling
ASI 404 Lambing
ASI 405 Fundamentals of Milk Processing
ASI 420 Advanced Dairy Cattle Judging
ASI 422 Livestock Sales Management
ASI 444 Equine Health
ASI 445 Advanced Horse Training and Mgmt
ASI 450 Principles of Livestock Selection
ASI 470 Form and Function in Livestock
ASI 495 Advanced Meat Evaluation

ASI 502 Principles of Equine Reproductive Mgmt
ASI 504 Equine Reproduction Management
ASI 510 Animal Breeding Principles
ASI 512 Bovine Reproductive Technologies
ASI 515 Beef Science
ASI 520 Companion Animal Management
ASI 521 Horse Science
ASI 524 Sheep and Meat Goat Science
ASI 533 Anatomy and Physiology
ASI 535 Swine Science
ASI 540 Principles of Animal Disease Control
ASI 561 Undergraduate Research in ASI
ASI 595 Contemporary Issues in Animal Sci and Ag
ASI 598 Biosciences Internship in Animal Science
ASI 599 Animal Science Internship
ASI 600 Applied Animal Biotechnology
ASI 601 Endocrinology and Lactation
ASI 602 Equine Breeding and Genetics
ASI 608 Dairy Foods Processing & Technology
ASI 610 Processed Meat Operations
ASI 620 Beef Systems Management
ASI 621 Dairy Cattle Management
ASI 625 Gamebird Production and Management
ASI 640 Poultry Products Technology
ASI 645 Poultry Management
ASI 650 ID and Data Mgmt of Food Animals
ASI 655 Behavior of Domestic Animals

ASI 658 Animal Growth and Development
ASI 660 International Study Exp in Animal Science
ASI 661 Animal Sciences and Industry Problems
ASI 662 Special Topics in Animal Science
ASI 675 Monogastric Nutrition
ASI 676 Avian Nutrition
ASI 677 Companion Animal Nutrition
ASI 678 Equine Nutrition
ASI 679 Swine Nutrition
ASI 680 Ruminant Nutrition
ASI 681 Dairy Cattle Nutrition
ASI 682 Formulation of Livestock and Poultry Diets
ASI 683 Grazing Livestock Nutrition
ASI 684 Nutrition of Feedlot Cattle
ASI 685 Stored Forage Sys for Rum Animals
ASI 695 Principles of Equine Exercise Physiology
ASI 710 Physiology of Repro in Farm Animals
ASI 720 Anaerobic Bacteriology
ASI 741 Quant Genetics Appl of Matrix Algebra
ASI 742 Cybersheep: A Genetic Simulation Game
ASI 749 Advanced Animal Breeding
ASI 776 Meat Industry Technology
ASI 777 Meat Technology

DMP 610 Feedlot Health Systems
DMP 611 Cow/Calf Health Systems

General Agriculture – GENAG 500
Journalism & Mass Communications – MC 110, 111, 112, 120 & 180
Marketing 542
Modern Language – Any course in foreign language
Finance - Any course
Management - Any course
Marketing - Any course
Management Information Systems – Any course
History – Any course
Leadership Studies – Any course 320 or above
Modern Language – Any foreign language
Music – Any course
Philosophy – Any course
Political Science – Any course
Psychological Sciences – Any course
Sociology – Any course
Social Work – Any course
Theater – Any course
Gender, Women & Sexuality Studies – Any course

Recreational Resources – Any except RRES 200

Plant Pathology – Any course

General Agriculture – GENAG 210-505

One course cannot be used to fulfill multiple requirements; must select ASI electives not used elsewhere in curriculum.