AG ECON KSU Agribusiness

AG ECON MAJOR/QUANTITATIVE OPTION

Program of Study for B.S. Degree in Agriculture (Effective Fall 2012)

Name: _____

ID#: _____

First Semester			Cr.	
ENGL	100	Expository Writing I	3	
MATH	220	Analytic Geometry & Calculus I	4	
AGEC	105	Ag Econ & Agbus Orientation	1	
AGEC	115	Decision Tools for Ag Econ & Agbus	2	
PSYCH	110	General Psychology	or	
SOCIO	211	Intro to Sociology	3	
Ag or Food Science Elective			3-4	

Second Semester			Cr.	
MATH	221	Analytic Geometry & Calculus II	4	
AGEC	120	Ag Econ & Agribusiness	3	
COMM	105	Public Speaking IA	2	
Natural Science Elective			4	

Third Semester			Cr.	
ENGL	200	Expository Writing II	3	
ECON	110	Principles of Macroeconomics	3	
MATH	222	Analytic Geometry & Calculus III	4	
AGEC	315	Cont. Iss. in Glob. Fd. & Ag. Syst.	3	
Electives (restricted and free)			3-6	

Fourth Semester			Cr.	
PHILO	110	Intro Formal Logic	3	
AGEC	500	Production Economics	3	
ACCTG	231	Acctg. for Business Operations	3	
Natural Science Elective			4	
_____	_____	_____	3	

Communication Elective: *Communication (above 300), English (above 210), or a Modern Language.*

Fifth Semester			Cr.	
STAT	510	Intro Probability & Statistics I	or	
STAT	350	Business & Economics Statistics I	3	
AGEC	501	Data Analysis & Optimization	3	
AGEC	505	Ag Market Structures	3	
ACCTG	241	Acctg. for Investing & Finance	3	
AGCOM	400	Ag Business Communications	or	
ENGL	516	Written Comm. for the Sciences	3	
Electives (restricted and free)				
_____	_____	_____	3	

Social Science Elective: AMETH, ANTH, HDFS 350, GEOG, GWSS, HIST, POLSC, PSYCH, and SOCIO

Sixth Semester			Cr.	
STAT	511	Intro Probability & Statistics II	or	
STAT	351	Business & Economics Statistics II	3	
MATH	551	Applied Matrix Theory	3	
CIS	111	Intro to Comp Prog	3	
Electives (restricted and free)			5-6	

Seventh Semester			Cr.	
ECON	510	Intermediate Macroeconomics	3	
Electives (restricted and free)			13	

Eighth Semester	Cr.
Electives (restricted and free)	16 crs.

Natural Science Electives			8 crs. total	
CHM	110	General Chemistry	3	
AND				
CHM	111	General Chemistry Lab	1	
BIOL	198	Principles of Biology	4	
PHYS	113	General Physics I	4	

Free Electives (15 crs. total)

_____	_____	
_____	_____	
_____	_____	
_____	_____	
_____	_____	

Quantitative Electives			6 crs. total	
AGEC	605	Price Analysis & Forecasting	3	
AGEC	712	Optimization Tech Ag Econ	3	
ECON	630	Intro to Econometrics	3	
ECON	686	Econ Forecasting	3	
ECON	735	Mathematical Economics	3	
GEOG	508	Geographic Info System 1	3	
IMSE	541	Statistical Quality Control	3	
IMSE	560	Intro to Operations Research I	3	
MATH	240	Elementary Differential Equations	4	
MATH	312	Finite Applications of Mathematics	3	
MATH	540	Advanced Ordinary Diff Equations	3	
MATH	670	Mathematical Modeling	3	
MATH	755	Dynamic Modeling Processes	3	
MANGT	421	Intro to Operations Management	3	
MANGT	521	Quantitative Management	3	
MKTG	642	Marketing Research	3	
STAT	410	Probabilistic Systems Modeling	3	
STAT	705	Regression & Correlation Analysis	3	
STAT	706	Basic Elements of Stat. Theory	3	

Ag Econ Electives Include at least two numbered 598 or above			Cr. 15 crs. total	
AGEC	308	Farm & Ranch Management	3	
AGEC	318	Food & Agbus Management	3	
AGEC	410	Ag Policy	3	
AGEC	420	Commodity Futures Markets	3	
AGEC	460	Int'l Food & Agbus Study Tour	3	
AGEC	513	Ag Finance	3	
AGEC	515	Food & Agribusiness Marketing	3	
AGEC	516	Ag Law & Economics	3	
AGEC	520	Market Fund & Fut/Opt Trading	3	
AGEC	525	Natural Resource & Envir Econ	3	
AGEC	570	Food Manuf. Distrib. & Retailing	3	
AGEC	598	Farm Management Strategies	3	
AGEC	599	Food & Agbus Mngt. Strategies	3	
AGEC	605	Price Analysis & Forecasting	3	
AGEC	610	Cur Ag & Nat. Res. Pol. Issues	3	
AGEC	615	Global Ag Development	3	
AGEC	623	International Ag Trade	3	
AGEC	632	Agribusiness Logistics	3	
AGEC	680	Risk Management	3	
AGEC	710	Comparative Food & Ag Systems	3	
AGEC	712	Optimization Tech. for Ag Econ	3	
GENAG	515	Honors/Scholars Project	2	

Must include either AGEC 513 (as Ag. Econ. Elective) or FINAN 450 (as Free Elective).

Ag & Food Science Technology			Cr 6	
AGRON	220	Crop Science	or	
HORT	201	Principles of Horticultural Science	4	
AGRON	305	Soils	4	
AGRON	330	Weed Science	3	
ATM	160	Engineered Systems & Tech. in Ag	3	
ASI	102	Principles of Animal Science	3	
ASI	105	Animal Sciences & Industry	1	
ASI	106	Dairy & Poultry Science	1	
ASI	318	Fundamentals of Nutrition	3	
ASI	320	Principles of Feeding	3	
FDSCI	302	Intro to Food Science	3	
FDSCI	305	Fundamentals of Food Processing	3	
GRSC	101	Intro to Grain Science & Industry	3	
_____	_____	_____		
_____	_____	_____		

(see department list for other courses)

Degree Credit Requirements

1. Required — 127 crs. total
2. Transfer credits applied to degree — _____
3. KSU credit required (line 1 - line 2) — _____

SIGNATURE OF APPROVAL

Student _____ Date _____

Academic Advisor _____ Date _____

Department _____ Date _____

Courses numbered below 100 will not be applied to degree requirements.

Except for free electives all courses applied to graduation must be taken for a grade.

Maximum number of credits from 2 year institution(s) is 63.

20 of the last 30 crs. must come from KSU.

Kansas Board of Regents requires all graduates to complete 45 crs at or above the 300 level.

K-State 8

(See reverse side)

Effective 5/99, rev. 2/00, 7/00, 2/01, 1/02, 2/03, 4/03 8/07, 7/08, 10/08, 2/09, 2/10,2/11, 7/11, 7/12, 5/15; rev 4/16, 9/2016