



AG ECON MAJOR/QUANTITATIVE OPTION

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

Name: _____

ID#: _____

First Semester		
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 _____

Third Semester		
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 _____

Fifth Semester		
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: *Psychology, Sociology, FSHS 350, Geography, Political Science, Anthropology, History, Women's Studies or American Ethnic Studies.*

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

Natural Science Electives			8 hrs. 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 (13 hrs. total)		
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____
_____	_____	_____

Second Semester		
MATH 221	Analytic Geometry & Calculus II	4 _____
AGEC 120	Ag Econ & Agribusiness	3 _____
COMM 105	Public Speaking IA	2 _____
Natural Science Elective		4 _____
		3 _____
Humanities Elective: <i>History, Music, Art, English (above 210), Philosophy, Theater, Dance, Modern Language, or ARCH 301.</i>		

Fourth Semester		
PHILO 130	Intro to Moral Philosophy	or _____
PHILO 135	Intro to Social & Political Philosophy	3 _____
AGEC 500	Production Economics	3 _____
ACCTG 231	Acctg. for Business Operations	3 _____
Natural Science Elective		4 _____
		3 _____
Communication Elective: <i>Communication (above 300), English (above 210), or a Modern Language.</i>		

Sixth Semester		
STAT 511	Intro Probability & Statistics II	or _____
STAT 351	Business & Economics Statistics II	3 _____
MATH 551	Applied Matrix Theory	3 _____
CIS 211	Fund. of Computer Programming	3 _____
Electives (restricted and free)		5-6 _____

Eighth Semester		
Electives (restricted and free)		16 hrs. _____

Quantitative Electives			6 hrs. total
AGEC 605	Price Analysis & Forecasting	3 _____	
AGEC 712	Linear Program Applications	3 _____	
ECON 630	Intro to Econometrics	3 _____	
ECON 735	Mathematical Economics	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 _____	
IMSE 560	Intro to Operations Research I	3 _____	
IMSE 541	Statistical Quality Control	3 _____	
STAT 410	Probabilistic Systems Modeling	3 _____	
STAT 706	Basic Elements of Stat. Theory	3 _____	
STAT 704	Analysis of Variance	2 _____	
STAT 705	Regression & Correlation Analysis	2 _____	
MKTG 642	Marketing Research	3 _____	

Ag Econ Electives			Cr.
Include at least two numbered 598 or above			15 hrs. 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 AGECE 513 (as Ag. Econ. Elective) or FINAN 450 (as Free Elective).

Ag & Food Science Technology			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 _____	
FDSCI 302	Intro to Food Science	3 _____	
FDSCI 305	Fundamentals of Food Processing	3 _____	
ASI 318	Fundamentals of Nutrition*	3 _____	
ASI 320	Principles of Feeding*	3 _____	
GRSC 101	Intro to Grain Science & Industry	3 _____	

(see department list for other courses)

*Non-majors may take ASI 320 without prerequisite of ASI 318.

K-State 8
(See reverse side)

Degree Credit Requirements	
1. Required	127 hrs. total
2. Transfer credits applied to degree	_____
3. KSU credit required (line 1 - line 2 - line 2)	_____

SIGNATURE OF APPROVAL

Student _____ Date _____

Academic Advisor _____ Date _____

Department _____ Date _____

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

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

Show transfer credit with K-State On-line after course. Maximum number of credits from 2 year institution(s) is 63.

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

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

If specialty is Modern Language, students must make sure they complete 45 hrs. at the 300 level or above.

K-State 8 General Education Requirement

Effective for students entering Fall 2011

You must successfully complete courses/experiences for credit to cover all of the K-State 8 areas. If you plan well this **should not** add additional hours to the 127 credits required for the Ag Econ/Agbus degree. When a course is tagged for two areas, you **may count that course toward both requirements**. (A course can only be used twice.) You must have a **minimum of four course prefixes** (AGEC) from different departments. Equivalent transfer classes will satisfy the K-State 8 requirements. *The courses listed are some of the most common ways for you to meet the requirements.*

Locating Tagged Courses:

- * Course are tagged in the Line Schedule
- * Course are tagged in the University Catalog
- * You can search for tagged classes by category in iSIS search



1. **Aesthetic Experience & Interpretive Understanding:** _____
(ARCH 301, COMM 311 & 321, ENGL 220, 251, 253, 270, MUSIC 170 & 250, THRE 270, SPAN 161 & 162)
(Modern Languages, some Humanities or Communication Elective Courses)



2. **Empirical & Quantitative Reasoning:** _____
(MATH 100 or 205, ACCTG 231 or 241, STAT 350, ECON 510)



3. **Ethical Reasoning & Responsibility** _____
(AGEC 315, 516, 520, 570, 615 or COMM 311)



4. **Global Issues & Perspectives:** _____
(Some History courses, ECON 110, AGEC 315, 460, 570, 599, 615, 623, 632 or 710, GEOG 100, GRSC 101)



5. **Historical Perspectives:** _____
(AGEC 410, 605 or 632, HIST 251, 252, 557, 558, LEAD 212, POLSC 115, 321)



6. **Human Diversity within the U.S.:** _____
(SOCIO 211, LEAD 212, COMM 323, GEOG 310, HIST 251, 252, 557, 558, MANGT 520, WOMST 105)



7. **Natural & Physical Science:** _____
(BIOL 198, CHM 110, PHYS 113, FDSCI 302, AGRON 220, ASI 318)



8. **Social Science:** _____
(AGEC 120, 121, 308, 318, 500, 505, 525, 598 or 610, PSYCH 110, SOCIO 211, MKTG 400, MANGT 420)