# Agricultural Economics & Agribusiness

## Undergraduate Handbook
## 2017-2018

UNIVERSITY OF ARKANSAS
Dale Bumpers College
of Agricultural, Food & Life Sciences
Agricultural Economics & Agribusiness

UofA
DIVISION OF AGRICULTURE
RESEARCH & EXTENSION
University of Arkansas System

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217 Agriculture Building, University of Arkansas, Fayetteville, AR 72701-1201
479-575-2256 • Fax 479-575-5306

Dear Agribusiness Student:

I am pleased that you are interested in one of the academic programs from the Department of Agricultural Economics and Agribusiness (AEAB). Our degree provides training in an exciting field of study with many employment opportunities. Students educated in agricultural business—i.e., agribusiness (AGBS)—are in demand for positions in agricultural industries, marketing agencies, farming operations, agricultural service agencies, state and federal government agencies, and numerous other positions. Within the AGBS major, there are three concentrations which you may pursue: Agribusiness Management and Marketing (ABMM); Pre-Law (PRLW); and Agricultural Economics (AGEC). Regardless of which concentration you select, I know that you will be pleased with your choice.

Our students are important to us. Mr. Lucas Simmons will be your academic advisor until you reach 60 hours of credit. You will be assigned a faculty mentor from our AEAB Faculty who will help guide you after 60 hours to complete your degree. Work closely with your advisor/faculty mentor to select your concentration and the schedule of classes that best fits your needs. Your advisor/faculty mentor also stands ready to help you make choices about your academic life, scholarship applications, summer internships, and job applications. However, the quality of advice from your advisor/faculty mentor is proportional to the effort that you put forth and the degree to which you communicate with them. Be prepared for your meetings with your advisor/faculty mentor. Even though your advisor/faculty mentor may be available for drop-by visits, schedule an appointment to insure that your advisor/faculty mentor has the time to properly advise you. Many advisors will communicate with you via e-mail so check your mail regularly. The AEAB Department will send important announcements on special events, intern opportunities and job interviews to students via e-mail so please watch for them.

This handbook provides essential information about the requirements for the AGBS degree. Keep it as your personal reference for mapping out your plan of study. This information—including electronic versions of the degree check sheets and eight-semester-plans for each concentration—are also available on our AEAB Departmental website: agribus.uark.edu. Also check the AEAB website for other departmental announcements, intern opportunities, and job interviews.

I hope the pursuit of your AGBS degree will be both enjoyable and rewarding. I encourage you to get to know us personally as this will help facilitate successful matches between you and prospective employers. Join the Agricultural Business Club as an extracurricular activity to provide fellowship, professional guidance and leadership skills, all of which are important in developing a well-rounded, educated person.

If I can help you at any time, please see me or send an email. Good luck with your studies!

Sincerely,

Dr. Steve Halbrook

Department Head
Department of Agricultural Economics and Agribusiness
halbrook@uark.edu

Dear Fellow Agribusiness Student:

As President of the Agricultural Business Club (ABC), I would like to welcome you to the Department of Agricultural Economics and Agribusiness (AEAB) of the Dale Bumpers College of Agricultural, Food and Life Sciences. I would like to start by inviting you to become a member of the ABC this fall.

At that beginning of my freshman year, I was searching for opportunities to become involved on campus. I soon found that the ABC would allow me to build relationships with many students who share the same interests as myself, and it was at the time that I became a club member. During my first semester in the club, I attended the annual bowling night which allowed me to interact with undergraduate and graduate students as well as professors in an informal and relaxed environment. As you are looking for opportunities to interact with students and professors in the AEAB Department, I encourage you to consider joining the ABC.

The club gives students, such as you, many opportunities to work with others and build leadership skills. For example, members of the club can participate in the National Agricultural Economics Quiz Bowl Competition, which is held at the American Agricultural Economics Association meeting each year. Students also gain leadership experience, as well as community involvement, by helping the ABC raise money to fund its various activities through our Annual Honey and Pecan Sale. Profits from this fundraiser are placed in the ABC Scholarship Program, which funds scholarships to club members based on academics, club involvement, and classroom leadership.

It is also the goal of the ABC to provide members with valuable knowledge of career opportunities in the agribusiness field. The club does this by giving students the opportunity to network with business professionals at its monthly meetings. The officers choose a variety of guest speakers, spanning from the farming sector of agribusiness to the financial, processing, and distribution sectors, to meet the diverse needs of the members.

At the end of each spring semester, the ABC hosts an Annual Awards Banquet to recognize outstanding members and faculty for their contributions throughout the year to the club and department. At this event, students are able to interact with professors outside of the classroom while enjoying a nice meal and reflecting on a year full of accomplishments. This past year, the club reached many exciting milestones, including raising more money than ever before in the Annual Honey and Pecan Sale and increasing the clubs number of members.

The ABC recognizes the best time for students to get involved is early on. In fact, the ABC kicks each year off with a Back-to-School Cookout held in the courtyard of the Agriculture Building. All members, as well as other students within any major, are welcome to join us for lunch. We believe the Back-to-School Cookout is one of the best ways for you to experience the benefits of participating in ABC and strongly encourage you to attend.

The Agricultural Business Club is a great way to interact both academically and socially with students and professors within the department. We look forward to your participation in the ABC this fall!

Sincerely,

Colson Tester
President, Agricultural Business Club
catester@uark.edu

# The Degree in Agricultural Business

The Bachelor of Science in Agriculture (B.S.A.) with a major in Agricultural Business (AGBS) provides an education suited to career opportunities in agribusiness management, farm business management, and agricultural marketing in both the domestic and international arenas. It also provides pre-law training, and training for entry into graduate school.

**Concentrations.** Each student majoring in AGBS must choose from one of three concentrations:

1.      **Agribusiness Management and Marketing (ABMM).** This concentration is designed for students seeking a career in sales, marketing, management or banking. Typical employers include Riceland Foods, Tyson Foods, Arvest Bank, Dow AgroScience, Arkansas Farm Bureau, grain elevators and many more. This is also an excellent concentration for students who want to become farmers, either on the family farm or as a hired farm manager. Past graduates have chosen positions in the food processing industry, retailing, data management companies, agricultural cooperatives, commodity marketing, chemical and pharmaceutical sales, and governmental agencies.

This is a self-contained program with all business courses taken in the Department of Agricultural Economics and Agribusiness (AEAB). It is possible to take a minor in other departments such as Poultry Science, Animal Science and Agricultural Communications.

2.      **Pre-Law (PRLW).** The PRLW Concentration should be chosen by those students who plan to enter a School of Law and study for the Juris Doctorate (J.D.) degree. In addition to legal career opportunities, this concentration is excellent for students pursuing careers in public service with local, state and federal agencies.

**Accelerated 3/3 Pre-Law Program**

Exceptional students in the Pre-Law concentration may enroll in the Law School in their fourth year provided that the following requirements have been met: (1) completed all University, college, and department core requirements for the pre-law concentration; (2) completed 12 hours in the specialization list for pre-law; (3) attained a cumulative grade-point average in all college or University course work of at least 3.50 without grade forgiveness; and, (4) attained a LSAT score of at least 159.

A student who has satisfied these requirements may substitute law school course work for the remaining total hours required for the bachelor's degree in agricultural business. It is a requirement of the Law School's accrediting standards that no student be admitted to Law School until they have completed at least three-fourths of the work necessary for the baccalaureate degree. The requirements embodied in the 3/3 program satisfy this requirement.

3.      **Agricultural Economics (AGEC).** Students who plan to pursue either a Master's degree or a Doctor of Philosophy (Ph.D.) degree should choose the AGEC concentration which emphasizes the quantitative analytical skills needed in graduate school. With a graduate degree, teaching and/or research positions are available at universities, government agencies, and corporations. This concentration provides training both in courses in the AEAB Department as well as in the Walton College of Business.

**General Requirements (120 hours).** The general requirements for this degree include:

1) 120 semester credit hours, including:

   a) The University Core - 35 credit hours.

   b) Quantitative Skills - 6 hours for the ABMM and PRLW concentrations and 9 hours for the AGEC concentration in addition to the courses taken to satisfy the University Core.

   d) Communications Skills - 6 hours in addition to the courses taken to satisfy the University Core.

   e) The AEAB Departmental Core - 33 credit hours.

   f) Specialization for the concentration - 18 credit hours for the ABMM concentration, 18 credit hours for the PRLW concentration, and 15 hours for the AGEC concentration.

   g) General Electives – 24-31 credit hours for the ABMM concentration, 25-31 credit hours for the PRLW concentration, and 24-31 hours for the AGEC concentration. Students who have not selected University Core courses appropriate for meeting prerequisites in the Bumpers College Core or the AEAB Departmental Core may utilize general electives for that purpose. Also, students who do not select sufficient 3000 and 4000 level courses to meet the Upper Division Credits required in item 2) below may also utilize general electives for that purpose.

2) 36 semester credit hours also in upper division courses (3000 and 4000 level courses). 1000 and 2000 world language courses count towards the 36 hours of upper division courses.

3) Nine hours of courses within the Dale Bumpers College that are outside of the AGEC alpha code.

4) Minimum cumulative grade point average of 2.00.

5) A maximum of 68 hours of lower level courses may be transfer credits from other universities.

6) A total of six semester hours of elective credits in university band, chorus, judging teams, drama, debate, physical education, etc., may be counted toward a degree.

**Enrollment Requirement:**

To ensure the opportunity to engage with faculty and peers in their area of study at the University of Arkansas (UA), Fayetteville, students must fulfill the UA Enrollment Requirement (formerly the "Residence Requirement"): (1) Earn a minimum of 30 semester hours at the University of Arkansas, Fayetteville campus—this includes UA faculty-led study abroad classes, online/on-campus classes, and Global Campus courses; and all other courses paid towards Fayetteville campus tuition and fees; (2) These 30 semester hours are to be upper-division semester hours required for the completion of a degree program; (3) Additional hours in residence can be required for completing a minor; (4) Hours earned in another school or college at UA (Fayetteville) may be used to satisfy this requirement--with appeal of appropriate faculty curriculum committee; (5)Appeals to the standards identified in this policy should be made to the Academic Standards Committee.

# University Core Curriculum (35 hrs)

| Areas | Min. Hrs. | University Core Courses |
|-------|-----------|------------------------|
| English | 6 | ENGL 1013 Composition I, ENGL 1023 Composition II or exemption electives |
| U.S. History/Government | 3 | HIST 2003 US to 1877 *or* HIST 2013 US 1877-to Present *or* PLSC 2003 Amer. Nat'l Govt. |
| Mathematics | 3 | MATH 2043 Survey of Calculus (or higher MATH course from the University Core excluding MATH 2183). |
| Science | 8 | ANTH 1013/1011L, ASTR 2003/2001L, BIOL 1003/1001L, BIOL 1543/ 1541L, BIOL1603/1601L, BIOL 1613/1611L, BIOL 2213/2211L, BIOL 2443/2441L, CHEM 1053/1051L, CHEM 1073/1071L, CHEM 1103/1101L, CHEM 1123/1121L, CHEM 1213/1211L, CHEM 1223/1221L, ENSC 1003/1001L, ENTO 1023/1L, GEOS 1113/1111L, GEOS 1133/1131L, PHYS 1023/1021L, PHYS 1034, PHYS 1044, PHYS 1054, PHYS 2013/2011L, PHYS 2033/2031L, PHYS 2054, PHYS 2074 |
| Fine Arts/Humanities | 6 | Select three hours each from two of the following four categories:<br><br>1) ARCH 1003, ARHS 1003, COMM 1003, DANC 1003, ENGL 2023, LARC 1003, MLIT 1003, MLIT 1013, THTR 1003, THTR 1013<br><br>2) Any intermediate/foreign language, AAST 2023, ARCH 1013, CLST 1003, CLST 1013, COMM 1233, ENGL 1213, GNST 2003, HUMN 1124H, HUMN 2124H, MUSY 2003, PHIL 2003, PHIL 2103, PHIL 2203, PHIL 3103, WLIT 1113, WLIT 1123 |
| Social Sciences | 9 | Select three hours from each of the following three categories:<br><br>1) PSYC 2003 Gen. Psych. *or* SOCI 2013 Gen. Soc. *or* HESC 2603 Rural Soc.<br><br>2) AGEC 1103 Principles of Ag Microeconomics *or* ECON 2023 Principles of Microeconomics<br><br>3) AGEC 2103 Principles. of Ag Macroeconomics *or* ECON 2013 Principles of Macroeconomics. |

Arkansas Act 98 of 1989 and subsequent actions of the State Board of Higher Education require that all state institutions of higher education in Arkansas establish a 35 hour minimum core requirement with specified hours in each of six academic areas. The University Core Curriculum shown above shows the courses that can meet this requirement at the University of Arkansas in the Department of Agricultural Economics and Agribusiness (AEAB).

There are a number of courses in the Agricultural Business degree program at the University of Arkansas that rest upon pre-requisite courses that may be used in meeting the University Core requirements. These pre-requisites are identified in the bold-face italic type in the table above. Since these pre-requisites must be met in order to complete the Agricultural Business degree, students majoring in Agricultural Business can increase their opportunity for choosing elective courses by being very careful to select appropriate courses in meeting the University Core.

Since different institutions in the State of Arkansas may include marginally different courses in their Core, students transferring into the Agricultural Business program at the University of Arkansas may find it necessary to take some of these pre-requisite courses as electives. The same may be true for students transferring from other colleges on the University of Arkansas campus.

Students who are exempt from a university core course must still make up those credit hours, and in most cases those credit hours must be within that core area.

# Bumpers College AFLS Broadening Electives (9 hrs)

Nine hours are to be taken in Bumpers College of Agricultural, Food, and Life Sciences (AFLS) academic departments outside of AEAB. Courses may be selected from the following alpha codes: AFLS, AGED, AGME, AGST, AMPD, ANSC, BENG, CSES, ENSC, ENTO, EXED, FDSC, HESC, HDFS, HORT, HOSP, NUTR, PLPA, and POSC.

## Quantitative Skills (3-7 hrs)

*for* **ABMM and PRLW Concentrations**
AGEC 2403 Quantitative Tools for Agribusiness or WCOB 1033 Data Analysis and Interpretation

*for* **AGEC  Concentration**
MATH 2053 Finite Math
AGEC 2403 Quantitative Tools for Agribusiness or AGST 4023 Principles of Experimentation or STAT 4003/4001L Statistical Methods or WCOB 1033 Data Analysis and Interpretation

## Communications Skills (6 hrs)

COMM 1313 Public Speaking

*And 3 hours from:*
AGED 3143 Comm Ag to Public
AGED 4003 Iss Agri
AGED 4343 Com Camp Agri
COMM 2303 Adv Pub Speak

COMM 2323 Interperson Comm
COMM 2343 Int Sm-Grp Com
COMM 3383 Persuasion
CSES 3023 Crop, Soil&Env Sci Coll
ENGL 2003 Adv Comp
ENGL 2013 Essay Writ
ENGL 3053 Tech Rep Writing

## Departmental Core (33 hrs)

AGEC 2142/1L Agribus Financial Records
AGEC 2303 Introduction to Agribusiness
AGEC 3303 Food and Agricultural Marketing
AGEC 3403 Farm Business Management
AGEC 3503 Agricultural Law I
**Choose two from Policy Group:**
AGEC 3413 Prin of Environmental Econ
AGEC 4163 Agricultural&Rural Development
AGEC 4603 Food Economics&Health[1]
AGEC 4613 Political Econ of Agri and Food or
AGEC 4623 Int'l Ag Trade& Comm Policy

**Choose two from Marketing Group:**
AGEC 3313 Agribusiness Sales
AGEC 3373 Futures and Options Markets
AGEC 4113 Agri Prices and Forecasting
AGEC 4303 Adv Agri Marketing Management
AGEC 4373 Bas Trad:Ap Price Risk Mgmt
AGEC 4383 Basis Trading: Case Study
AGEC 4603 Food Economics&Health[1]
**Choose two from Management Group:**
AGEC 4143 Agricultural Finance
AGEC 4313 Agricultural Business Management
AGEC 4323 Agribusiness Entrepreneurship
AGEC 4403 Adv Farm Business Management

AGBS majors with an ABMM or PRLW concentration are expected to complete at least 42 credit hours beyond the University core in the three academic areas (quantitative skills, communications, departmental core) shown in the list above and majors with a concentration in AGEC will complete at least 45 hours.

Students who have not completed the Principles of Agricultural Microeconomics and Principles of Agricultural Macroeconomics courses (or their equivalent) as a part of the University Core will be required to take these courses as general electives outside the Departmental Core.

## Specialization Courses (12-18 hrs)

Courses for the specialization differ dramatically by degree concentration. PRLW students will complete 18 hours in specialization courses. ABMM students will complete 18 hours in specialization courses. AGEC students will complete 15 hours in specialization courses. Specialization courses are presented with the specific degree concentrations on the following pages.

## Other General Degree Requirements

At least 36 credits of upper (3000 and 4000) level courses must be completed and a minimum cumulative GPA of 2.00 must be attained. Students are limited to not more than 6 credit hours of Judging Team, Music Activity, &/or PEAC courses. A maximum of 68 hours of lower level courses may be transfer courses from other universities.

## Eight Semester Programs and Degree Check sheets

Students beginning their studies during the 2017-18 academic year are advised to tailor their program of study to the plans presented on the following pages for each concentration. Check sheets for each concentration may be used to monitor progress towards the degree.

### Preparation for Graduate Study in Agricultural Economics at UA Fayetteville

The AGEC concentration satisfies all pre-requisites for the thesis track towards the M.S. degree in agricultural economics at the University of Arkansas. The ABMM and PRLW concentrations satisfy the pre-requisites for the non-thesis track of study towards the M.S. degree at the University of Arkansas provided the student takes MATH 2043 Survey of Calculus. ABMM and PRLW students contemplating graduate study towards the thesis track AGECMS degree after graduation should enroll in MATH 2043 Survey of Calculus, ECON 3033 Microeconomic Theory and ECON 3133 Macroeconomic Theory as electives during their undergraduate program.

**Dale Bumpers College of Agricultural, Food & Life Sciences**
**EIGHT-SEMESTER DEGREE COMPLETION PROGRAM**
*B.S.A. – Agricultural Business (AGBS) – Agribusiness Management and Marketing (ABMM)*
**2017-2018 (v.1)**

ABMM Requirements:  6-12 hours Communication; 3 hours History; 6 hours Mathematics and Statistics; 8 hours Science;
6 hours Fine Arts/Humanities; 9 hours Social Sciences; 33 hours Departmental Core; 18 hours Specialization Electives; 24-31 hours General Electives (9 hours must be Bumpers College Broadening Electives taken outside of AGEC but within Bumpers).
**Bold –** Course meets University Core
Pre-requisites (Pre), co-requisites (Co), or recommended (Rec) courses are in parentheses.

| Fall Semester Year 1 | |
|---|---|
| **Course** | **Hours** |
| **English Core ENGL 1013** Comp I **OR** Exemption Elective | 3 |
| MATH 2043 Survey of Calculus (or higher math from University Core excluding MATH 2183) | 3 |
| **History Core HIST 2003, HIST 2013, OR PLSC 2003** | 3 |
| **Social Science Core AGEC 1103** Principles of Ag Micro-economics (Pre or Co- MATH 1203) **OR ECON 2023** | 3 |
| AGME 2903 AGHE Applications of Microcomputers **OR** ISYS 1120 **OR** AFLS Broadening Elective (if ISYS 1120) | 3 |
| UNIV 1001 University Perspectives | 1 |
| **Total Semester Hours** | **16** |

| Spring Semester Year 1 | |
|---|---|
| **Course** | **Hours** |
| **English Core ENGL 1023** Comp II **OR** Exemption Elective | 3 |
| COMM 1313 Public Speaking | 3 |
| **Social Science Core AGEC 2103** Principles of Ag Macro-economics (Pre or Co- MATH 1203) **OR ECON 2013** | 3 |
| AGEC 2303 Intro to Agribusiness (Pre- AGEC 1103) | 3 |
| General Elective | 3 |
| | |
| **Total Semester Hours** | **15** |

| Fall Semester Year 2 | |
|---|---|
| **Course** | **Hours** |
| AGEC 2403 Quantitative Methods (Pre- AGEC 1103 or ECON 2143 and MATH 2053) **OR** WCOB 1033 | 3 |
| **Fine Arts/Humanities Core Elective** | 3 |
| **Science Core Elective – Lecture and Lab** | 4 |
| AGEC 2142/2141L Agribusiness Financial Records/Lab (Pre- AGME 2903 & AGEC 1103) **OR** ACCT 2013 | 3 |
| General Elective | 3 |
| **Total Semester Hours** | **16** |

| Spring Semester Year 2 | |
|---|---|
| **Course** | **Hours** |
| **Social Science Core PSYC 2003, HESC 2603, or SOCI 2013** | 3 |
| **Science Core Elective – Lecture and Lab** | 4 |
| AGEC 3303 Food and Agri Marketing (Pre- AGEC 1103 or ECON 2023 or ECON 2143) | 3 |
| Communication Intensive Elective | 3 |
| General Elective | 2 |
| **Total Semester Hours** | **15** |

| Fall Semester Year 3 | |
|---|---|
| **Course** | **Hours** |
| AGEC 3373 Futures & Options Markets (Pre- AGEC 1103) | 3 |
| AGEC 3403 Farm Business Management (Pre- AGEC 2142/2141L, AGME 2903, and AGEC 1103) | 3 |
| AGEC 4143 Agricultural Finance (Pre- AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013 and AGEC 2142/2141L or ACCT 2013) | 3 |
| Specialization Elective | 3 |
| General Elective | 3 |
| **Total Semester Hours** | **15** |

| Spring Semester Year 3 | |
|---|---|
| **Course** | **Hours** |
| **Fine Arts/Humanities Core Elective** | 3 |
| AGEC 3413 Principles of Environmental Economics (Pre- AGEC 1103)  **OR** AGEC 4623 International Agricultural Trade and Commercial Policy (Pre- AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013) | 3 |
| Specialization Electives | 6 |
| General Electives | 3 |
| **Total Semester Hours** | **15** |

| Fall Semester Year 4 | |
|---|---|
| **Course** | **Hours** |
| AGEC 4163 Agri&Rural Development (Pre- AGEC 1103 or ECON 2023) **OR** AGEC 4613 Political Economy of Agri&Food (Pre-AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013 and PSYC 2003 or SOCI 2013 or HESC 2603) | 3 |
| AGEC 3503 Agricultural Law | 3 |
| Specialization Elective | 6 |
| General Electives | 3 |
| **Total Semester Hours** | **15** |

| Spring Semester Year 4 | |
|---|---|
| **Course** | **Hours** |
| AGEC 4323 Agribusiness Entrepreneurship (Pre- AGEC 1103) | 3 |
| AGEC 4113 Agric Prices and Forecasting (Pre- AGEC 1103 or ECON 2023 and AGEC 2403 or WCOB 1033 and MATH 2053) ) **OR** AGEC 4303 Adv Agric Marketing Management (Pre- AGEC 2303 and AGEC 3303) | 3 |
| Specialization Elective | 3 |
| General Electives | 4 |
| **Total Semester Hours** | **13** |
| **TOTAL HOURS** | **120** |

**B.S.A. Degree: Major in Agricultural Business (click for disclaimer)**
**Agribusiness Management & Marketing (ABMM) Concentration**
**Agricultural Economics and Agribusiness**
**Dale Bumpers College of Agricultural, Food, and Life Sciences**
**2017-2018 (hard copy v1.0)**

Name: _____
Univ ID/Email: _____
Advisor: _____
Faculty Mentor: _____
Date: _____  Admit Term: _____

Grd  Pts  Hrs  Alpha  Numr |--------------------Title--------------------|

**1 Communications (6-12 hrs)**

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | 3 | ENGL | 1013 | Composition I or Exemption Elective [1] |
| | [X] | 3 | ENGL | 1023 | Composition II or Exemption Elective [1] |
| | [X] | 3 | COMM | 1313 | Public Speaking |

*and choose three (3) hours from*

AGED 3143 Communicating Agri to the Public, AGED 4003 Issues in Agriculture, AGED 4343 Communication Campaigns in Agriculture, COMM 2303 Advanced Public Speaking, COMM 2323 Interpersonal Communication, COMM 2343 Introduction to Small-Group Communication, COMM 3383 Persuasion, CSES 3023 Crop, Soil, & Environmental Sciences Colloquium, ENGL 2003 Advanced Composition, ENGL 2013 Essay Writing, and ENGL 3053 Technical & Report Writing

| | [X] | | | | |
| | [X] | | | | |

**2 U.S. History or Government (choose 3 hrs)**

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | 3 | HIST | 2003 | History American People to 1877 |
| | [X] | 3 | HIST | 2013 | History American People 1877 to Present |
| | [X] | 3 | PLSC | 2003 | American National Government |

**3 Mathematics and Statistics (6 hrs)**

| | [X] | 3 | MATH | 2043 | Survey of Calculus (or higher MATH course from the University Core excluding MATH 2183) |
|---|---|---|---|---|---|

*Choose one from*

| | [X] | 3 | AGEC | 2403 | Quantitative Tools for Agribusiness (Fa) |
|---|---|---|---|---|---|
| | [X] | 3 | WCOB | 1033 | Data Analysis & Interpretation [2] |

**4 Sciences (minimum of 8 hrs)**

ANTH 1013/1011L; ASTR 2003/2001L; BIOL 1003/1001L, 1524, 1543/1541L, 1584, 1603/1601L, 1613/1611L, 2213/2211L, 2443/2441L; CHEM 1053/1051L, 1073/1071L, 1103/1101L, 1123/1121L, 1223/1221L; ENSC 1003/1001L; ENTO 1023/1021L; GEOS 1113/1111L, 1133/1131L; PHYS 1023/1021L, 1034, 1044, 1054, 2013/2011L, 2033/2031L, 2054, and 2074.

| | [X] | | | | |
|---|---|---|---|---|---|
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

**5 Fine Arts and Humanities (6-7 hrs from two sets below)**

**5.a Fine Arts (choose 3 hrs)**

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | 3 | ARCH | 1003 | Basic Course in Arts: Arch Lecture |
| | [X] | 3 | ARHS | 1003 | Basic Course in Arts: Art Lecture |
| | [X] | 3 | COMM | 1003 | Basic Course in Arts: Film Lecture |
| | [X] | 3 | DANC | 1003 | Basic Course in Arts: Movement & Dance |
| | [X] | 3 | ENGL | 2023 | Creative Writing I |
| | [X] | 4 | HUMN | 2114H | Honors Birth of Modern Culture 1600-1900 |
| | [X] | 3 | LARC | 1003 | Basic Course in Arts: The Amer Landscape |
| | [X] | 3 | MLIT | 1003 | Basic Course in Arts: Music Lecture |
| | [X] | 3 | MLIT | 1013 | Music Lecture for Music Majors |
| | [X] | 3 | THTR | 1003 | Basic Course in Arts: Theatre Appreciation |
| | [X] | 3 | THTR | 1013 | Musical Theatre Appreciation |

**5.b Humanities (choose 3 hrs)**

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | 3 | AAST | 2023 | The African American Experience |
| | [X] | 3 | ARCH | 1013 | Diversity and Design |
| | [X] | 3 | CLST | 1003 | Introduction to Classical Studies: Greece |
| | [X] | 3 | CLST | 1013 | Introduction to Classical Studies: Rome |
| | [X] | 3 | COMM | 1233 | Media, Community and Citizenship |
| | [X] | 3 | ENGL | 1213 | Introduction to Literature |
| | [X] | 3 | GNST | 2003 | Introduction to Gender Studies |
| | [X] | 4 | HUMN | 1124H | Honors Equilibrium of Cultures 500-1600 |
| | [X] | 4 | HUMN | 2124H | Honors 20th Century Global Culture |
| | [X] | 3 | MUSY | 2003 | Music in World Cultures |
| | [X] | 3 | PHIL | 2003 | Introduction to Philosophy |
| | [X] | 3 | PHIL | 2103 | Introduction to Ethics |
| | [X] | 3 | PHIL | 2203 | Logic |
| | [X] | 3 | PHIL | 3103 | Ethics and the Professions |
| | [X] | 3 | WLIT | 1113 | World Literature I |
| | [X] | 3 | WLIT | 1123 | World Literature II |
| | [X] | 3 | | | Any Intermediate I Foreign Language |

[1] If exempt by virtue of performance, use these credits as general electives.

[2] WCOB 1033 prerequisites: ISYS 1120 or ISYS 1123, and MATH 2053 or MATH 2554, each with C or better.

[3] AGEC 4603 may only be used in either the Policy Group or the Marketing Group.

[4] Students must take nine credit hours outside of AGEC alpha code but within Bumpers College, i.e., AFLS, AGED, AGME, AGST, AMPD, ANSC, BENG, CSES, ENSC, ENTO, EXED, FDSC, HESC, HDFS, HORT, HOSP, NUTR, PLPA, and POSC.

[5] UNIV 1001 is required for new freshman and will count as a general elective credit. Min GPA of 2.00; at least 120 cr hrs; max 6 hrs of Judging Team, Music Activity, &/or PEAC courses.

**6 Social Sciences (9 hrs)**

*Choose one from*

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | 3 | PSYC | 2003 | General Psychology |
| | [X] | 3 | SOCI | 2013 | General Sociology |
| | [X] | 3 | HESC | 2603 | Rural Families & Communities (Sp) |

*Choose one from*

| | [X] | 3 | AGEC | 1103 | Principles of Agri Microeconomics (Sp, Su, Fa) |
|---|---|---|---|---|---|
| | [X] | 3 | ECON | 2023 | Principles of Microeconomics |

*Choose one from*

| | [X] | 3 | AGEC | 2103 | Principles of Agri Macroeconomics (Sp, Fa) |
|---|---|---|---|---|---|
| | [X] | 3 | ECON | 2013 | Principles of Macroeconomics |

**7 Departmental Core (33 hrs)**

*Choose one from*

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | 2 | AGEC | 2142 | Agribusiness Financial Records (Sp, Fa) *and* |
| | [X] | 1 | AGEC | 2141 | Agribusiness Financial Records Lab (Sp, Fa) |
| | [X] | 3 | ACCT | 2013 | Accounting Principles |

*and take*

| | [X] | 3 | AGEC | 2303 | Introduction to Agribusiness (Sp, Su, Fa) |
|---|---|---|---|---|---|
| | [X] | 3 | AGEC | 3303 | Food and Agricultural Marketing (Sp, Su, Fa) |
| | [X] | 3 | AGEC | 3403 | Farm Business Management (Sp, Fa) |
| | [X] | 3 | AGEC | 3503 | Agricultural Law I (Fa) |

*choose two from Policy Group*

| | [X] | 3 | AGEC | 3413 | Principles of Environmental Economics (Sp) |
|---|---|---|---|---|---|
| | [X] | 3 | AGEC | 4163 | Agricultural & Rural Development (Fa) |
| | [X] | 3 | AGEC | 4603 | Food Economics & Health [3] (Sp) |
| | [X] | 3 | AGEC | 4613 | Political Economy of Agriculture & Food (Fa) |
| | [X] | 3 | AGEC | 4623 | Int'l Agri Trade & Commercial Policy (Sp) |

*choose two from Marketing Group*

| | [X] | 3 | AGEC | 3313 | Agribusiness Sales (Sp) |
|---|---|---|---|---|---|
| | [X] | 3 | AGEC | 3373 | Futures & Options Markets (Fa) |
| | [X] | 3 | AGEC | 4113 | Agricultural Prices & Forecasting (Sp) |
| | [X] | 3 | AGEC | 4303 | Adv Agri Marketing Management (Sp) |
| | [X] | 3 | AGEC | 4373 | Basis Trading: Applied Price Risk Mgmt (Sp, Su) |
| | [X] | 3 | AGEC | 4383 | Basis Trading: Case Study (Sp) |
| | [X] | 3 | AGEC | 4603 | Food Economics & Health [3] (Sp) |

*choose two from Management Group*

| | [X] | 3 | AGEC | 4143 | Agricultural Finance (Fa) |
|---|---|---|---|---|---|
| | [X] | 3 | AGEC | 4313 | Agricultural Business Management (Fa) |
| | [X] | 3 | AGEC | 4323 | Agribusiness Entrepreneurship (Sp) |
| | [X] | 3 | AGEC | 4403 | Advanced Farm Business Management (Fa) |

**8 Specialization (18 hrs)**

*choose two (no duplication) from*

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|
| | [X] | | AGEC | 3313 | Agribusiness Sales (Sp) |
| | [X] | | AGEC | 3373 | Futures & Options Markets (Fa) |
| | [X] | | AGEC | 3413 | Principles of Environmental Economics (Sp) |
| | [X] | | AGEC | 4113 | Agricultural Prices & Forecasting (Sp) |
| | [X] | | AGEC | 4143 | Agricultural Finance (Fa) |
| | [X] | | AGEC | 4163 | Agricultural & Rural Development (Fa) |
| | [X] | | AGEC | 4303 | Adv Agri Marketing Management (Sp) |
| | [X] | | AGEC | 4313 | Agricultural Business Management (Fa) |
| | [X] | | AGEC | 4323 | Agribusiness Entrepreneurship (Sp) |
| | [X] | | AGEC | 4373 | Basis Trading: Applied Price Risk Mgmt (Sp, Su) |
| | [X] | | AGEC | 4383 | Basis Trading: Case Study (Fa) |
| | [X] | | AGEC | 4403 | Advanced Farm Business Management (Fa) |
| | [X] | | AGEC | 4603 | Food Economics & Health (Sp) |
| | [X] | | AGEC | 4613 | Political Economy of Agriculture & Food (Fa) |
| | [X] | | AGEC | 4623 | Int'l Agri Trade & Commercial Policy (Sp) |

**And Choose:** Twelve hours of electives from MATH, STAT, AGEC, or courses in WCOB (e.g., ACCT, ECON, FINN, ISYS, MKTG, MGMT), or courses in Bumpers College.

| | [X] | | | | |
|---|---|---|---|---|---|
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

**9 General Electives (24-31 hrs) [4]**

Students who have not taken 36 hrs of 3000 and 4000 level courses in other segments of the concentration must fulfill the requirements in the General Electives. [5]

| | [X] | | | | |
|---|---|---|---|---|---|
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

**Dale Bumpers College of Agricultural, Food & Life Sciences**
**EIGHT-SEMESTER DEGREE COMPLETION PROGRAM**
*B.S.A. – Agricultural Business (AGBS) – Pre-Law (PRLW)*
**2017-2018 (v. 1)**

PRLW Requirements:  6-12 hours Communication; 3 hours History; 6 hours Mathematics and Statistics; 8 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 33 hours Departmental Core; 18 hours Specialization Electives; 25-31 hours General Electives (9 hours must be Bumpers College Broadening Electives outside of AGEC area but within Bumpers).
**Bold –** Course meets University Core
Pre-requisites (Pre), co-requisites (Co), or recommended (Rec) courses are in parentheses.

| Fall Semester Year 1 | |
|---|---|
| **Course** | **Hours** |
| **English Core ENGL 1013** Comp I **OR** Exemption Elective | 3 |
| MATH 2043 Survey of Calculus (or higher math from University Core excluding MATH 2183) | 3 |
| **History Core HIST 2003, HIST 2013, or PLSC 2003** | 3 |
| **Social Science Core AGEC 1103** Principles of Ag Micro-Economics (Pre or Co- MATH 1203) **OR ECON 2023** | 3 |
| AGME 2903 AGHE Applications of Microcomputers **OR** ISYS 1120 **OR** AFLS Broadening Elective (if ISYS 1120) | 3 |
| UNIV 1001 University Perspectives | 1 |
| **Total Semester Hours** | **16** |

| Spring Semester Year 1 | |
|---|---|
| **Course** | **Hours** |
| **English Core ENGL 1023** Comp II **OR** Exemption Elective | 3 |
| COMM 1313 Public Speaking | 3 |
| **Social Science Core AGEC 2103** Principals of Ag Macro-Economics (Pre or Co- MATH 1203) **OR ECON 2013** | 3 |
| AGEC 2303 Intro to Agribusiness (Pre- AGEC 1103) | 3 |
| General Elective | 3 |
| | |
| **Total Semester Hours** | **15** |

| Fall Semester Year 2 | |
|---|---|
| **Course** | **Hours** |
| Communication Intensive Elective | 3 |
| AGEC 2403 Quantitative Methods (Pre- AGEC 1103 or ECON 2143 and MATH 2053) **OR** WCOB 1033 | 3 |
| **Fine Arts/Humanities Core Elective** | 3 |
| **Science Core Elective – Lecture and Lab** | 4 |
| AGEC 2142/2141L Agribusiness Financial Records/Lab (Pre- AGME 2903 and AGEC 1103) **OR** ACCT 2013 | 3 |
| **Total Semester Hours** | **16** |

| Spring Semester Year 2 | |
|---|---|
| **Course** | **Hours** |
| **Social Science Core PSYC 2003, HESC 2603, OR SOCI 2013** | 3 |
| **Science Core Elective – Lecture and Lab** | 4 |
| AGEC 3303 Food and Agri Marketing (Pre- AGEC 1103 or ECON 2023 or ECON 2143) | 3 |
| General Elective | 6 |
| | |
| **Total Semester Hours** | **16** |

| Fall Semester Year 3 | |
|---|---|
| **Course** | **Hours** |
| **Fine Arts/Humanities Core Elective** | 3 |
| AGEC 3403 Farm Business Management (Pre- AGEC 2142/2141L, AGME 2903, and AGEC 1103) | 3 |
| AGEC 4143 Agricultural Finance (Pre- AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013 and AGEC 2142/2141L or  ACCT 2013) **OR** AGEC 4313 Agribusiness Management (Pre- AGEC 2142/2141L, AGEC 2303, and senior standing) **OR**  AGEC 4403 Adv Farm Business Management (Pre- AGEC 2142/2141L or AGEC 2303, and senior standing) | 3 |
| AGEC 3373 Futures & Options Markets (Pre- AGEC 1103) **OR** AGEC 4383 Basis Trading: Case Study (Pre- AGEC 4383) | 3 |
| General Elective | 3 |
| **Total Semester Hours** | **15** |

| Spring Semester Year 3 | |
|---|---|
| **Course** | **Hours** |
| AGEC 3413 Principles of Environmental Economics (Pre- AGEC 1103) **OR** AGEC 4623 International Agricultural Trade and Commercial Policy (Pre- AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013) | 3 |
| AGEC 3523 Environ & Natural Resources Law (Sp - Even Yrs) | 3 |
| Specialization Electives | 6 |
| General Elective | 3 |
| | |
| **Total Semester Hours** | **15** |

| Fall Semester Year 4 | |
|---|---|
| **Course** | **Hours** |
| AGEC 4163 Agri&Rural Development (Pre- AGEC 1103 or ECON 2023) **OR** AGEC 4613 Political Economy of Agri&Food (Pre-AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013 and PSYC 2003 or SOCI 2013 or HESC 2603) | 3 |
| AGEC 3503 Agricultural Law | 3 |
| Specialization Course | 6 |
| General Electives | 3 |
| **Total Semester Hours** | **15** |

| Spring Semester Year 4 | |
|---|---|
| **Course** | **Hours** |
| AGEC 4323 Agribusiness Entrepreneurship (Pre- AGEC 1103) | 3 |
| AGEC 4113 Agric Prices and Forecasting (Pre- AGEC 1103 or ECON 2023 and AGEC 2403 or WCOB 1033 and MATH 2053) ) **OR** AGEC 4303 Adv Agric Marketing Management (Pre- AGEC 2303 and AGEC 3303) | 3 |
| Specialization Course | 3 |
| General Electives | 3 |
| **Total Semester Hours** | **12** |
| **TOTAL HOURS** | **120** |

**B.S.A. Degree: Major in Agricultural Business (click for disclaimer)**
**Pre-Law (PRLW) Concentration**
**Agricultural Economics and Agribusiness**
**Dale Bumpers College of Agricultural, Food, and Life Sciences**
**2017-2018 (hard copy v1.0)**

Name: _____
Univ ID/Email: _____
Advisor: _____
Faculty Mentor: _____
Date: _____ Admit Term: _____

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|

**1 Communications (6-12 hrs)**
| | [X] | 3 | ENGL | 1013 | Composition I or Exemption Elective [1] |
| | [X] | 3 | ENGL | 1023 | Composition II or Exemption Elective [1] |
| | [X] | 3 | COMM | 1313 | Public Speaking |

*and choose three (3) hours from*
AGED 3143 Communicating Agriculture to the Public, AGED 4003 Issues in Agriculture, AGED 4343 Communication Campaigns in Agriculture, COMM 2303 Advanced Public Speaking, COMM 2323 Interpersonal Communication, COMM 2343 Introduction to Small-Group Communication, COMM 3383 Persuasion, CSES 3023 Crop, Soil, & Environmental Sciences Colloquium, ENGL 2003 Advanced Composition, ENGL 2013 Essay Writing, and ENGL 3053 Technical & Report Writing

| | [X] | | | | |
| | [X] | | | | |

**2 U.S. History or Government (choose 3 hrs)**
| | [X] | 3 | HIST | 2003 | History American People to 1877 |
| | [X] | 3 | HIST | 2013 | History American People 1877 to Present |
| | [X] | 3 | PLSC | 2003 | American National Government |

**3 Mathematics and Statistics (6 hrs)**
| | [X] | 3 | MATH | 2043 | Survey of Calculus (or higher MATH course from the University Core excluding MATH 2183) |

*Choose one from*
| | [X] | 3 | AGEC | 2403 | Quantitative Tools for Agribusiness (Fa) |
| | [X] | 3 | WCOB | 1033 | Data Analysis & Interpretation [2] |

**4 Sciences (minimum of 8 hrs)**
ANTH 1013/1011L; ASTR 2003/2001L; BIOL 1003/1001L, 1524, 1543/1541L, 1584, 1603/1601L, 1613/1611L, 2213/2211L, 2443/2441L; CHEM 1053/1051L, 1073/1071L, 1103/1101L, 1123/1121L, 1133/1131L, 1213/1211L, 1223/1221L; ENSC 1003/1001L; ENTO 1023/1021L; GEOS 1113/1111L, 1133/1131L; PHYS 1023/1021L, 1034, 1044, 1054, 2013/2011L, 2033/2031L, 2054, and 2074.

| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

**5 Fine Arts and Humanities (6-7 hrs from two sets below)**
**5.a Fine Arts (choose 3-4 hrs)**
| | [X] | 3 | ARCH | 1003 | Basic Course in Arts: Arch Lecture |
| | [X] | 3 | ARHS | 1003 | Basic Course in Arts: Art Lecture |
| | [X] | 3 | COMM | 1003 | Basic Course in Arts: Film Lecture |
| | [X] | 3 | DANC | 1003 | Basic Course in Arts: Movement & Dance |
| | [X] | 3 | ENGL | 2023 | Creative Writing I |
| | [X] | 4 | HUMN | 2114H | Honors Birth of Modern Culture 1600-1900 |
| | [X] | 3 | LARC | 1003 | Basic Course in Arts: The Amer Landscape |
| | [X] | 3 | MLIT | 1003 | Basic Course in Arts: Music Lecture |
| | [X] | 3 | MLIT | 1013 | Music Lecture for Music Majors |
| | [X] | 3 | THTR | 1003 | Basic Course in Arts: Theatre Appreciation |
| | [X] | 3 | THTR | 1013 | Musical Theatre Appreciation |

**5.b Humanities (choose 3-4 hrs)**
| | [X] | 3 | AAST | 2023 | The African American Experience |
| | [X] | 3 | ARCH | 1013 | Diversity and Design |
| | [X] | 3 | CLST | 1003 | Introduction to Classical Studies: Greece |
| | [X] | 3 | CLST | 1013 | Introduction to Classical Studies: Rome |
| | [X] | 3 | COMM | 1233 | Media, Community and Citizenship |
| | [X] | 3 | ENGL | 1213 | Introduction to Literature |
| | [X] | 3 | GNST | 2003 | Introduction to Gender Studies |
| | [X] | 4 | HUMN | 1124H | Honors Equilibrium of Cultures 500-1600 |
| | [X] | 3 | MUSY | 2003 | Music in World Cultures |
| | [X] | 3 | PHIL | 2003 | Introduction to Philosophy |
| | [X] | 3 | PHIL | 2103 | Introduction to Ethics |
| | [X] | 3 | PHIL | 2203 | Logic |
| | [X] | 3 | PHIL | 3103 | Ethics and the Professions |
| | [X] | 3 | WLIT | 1113 | World Literature I |
| | [X] | 3 | WLIT | 1123 | World Literature II |
| | [X] | 3 | | | Any Intermediate I Foreign Language |

[1] If exempt by virtue of performance, use these credits as general electives.

[2] WCOB 1033 prerequisites: ISYS 1120 or ISYS 1123, and MATH 2053 or MATH 2554, each with C

[3] AGEC 4603 may only be used in either the Policy Group or the Marketing Group.

[4] Students must take nine credit hours outside of AGEC alpha code but within Bumpers College, i.e., AFLS, AGED, AGME, AGST, AMPD, ANSC, BENG, CSES, ENSC, ENTO, EXED, FDSC,

[5] UNIV 1001 is required for new freshman and will count as a general elective credit

[6] Minimum overall GPA of 2.00; at least 120 credit hours; maximum 6 hours of Judging Team, Music Activity, and/or PEAC courses.

**6 Social Sciences (9 hrs)**
*Choose one from*
| | [X] | 3 | PSYC | 2003 | General Psychology |
| | [X] | 3 | SOCI | 2013 | General Sociology |
| | [X] | 3 | HESC | 2603 | Rural Families & Communities (Sp) |

*Choose one from*
| | [X] | 3 | AGEC | 1103 | Principles of Agri Microeconomics (Sp,Su,Fa) |
| | [X] | 3 | ECON | 2023 | Principles of Microeconomics |

*Choose one from*
| | [X] | 3 | AGEC | 2103 | Principles of Agri Macroeconomics (Sp,Fa) |
| | [X] | 3 | ECON | 2013 | Principles of Macroeconomics |

**7 Departmental Core (33 hrs)**
*Choose one from*
| | [X] | 2 | AGEC | 2142 | Agribusiness Financial Records (Sp,Fa) *and* |
| | [X] | 1 | AGEC | 2141 | Agribusiness Financial Records Lab (Sp,Fa) |
| | [X] | 3 | ACCT | 2013 | Accounting Principles |

*and take*
| | [X] | 3 | AGEC | 2303 | Introduction to Agribusiness (Sp,Su,Fa) |
| | [X] | 3 | AGEC | 3303 | Food and Agricultural Marketing (Sp,Su,Fa) |
| | [X] | 3 | AGEC | 3403 | Farm Business Management (Sp,Fa) |
| | [X] | 3 | AGEC | 3503 | Agricultural Law I (Fa) |

*choose two from Policy Group*
| | [X] | 3 | AGEC | 3413 | Principles of Environmental Economics (Sp) |
| | [X] | 3 | AGEC | 4163 | Agricultural & Rural Development (Fa) |
| | [X] | 3 | AGEC | 4603 | Food Economics & Health [3] (Sp) |
| | [X] | 3 | AGEC | 4613 | Political Economy of Agriculture & Food (Fa) |
| | [X] | 3 | AGEC | 4623 | Int'l Agri Trade & Commercial Policy (Sp) |

*choose two from Marketing Group*
| | [X] | 3 | AGEC | 3313 | Agribusiness Sales (Sp) |
| | [X] | 3 | AGEC | 3373 | Futures & Options Markets (Fa) |
| | [X] | 3 | AGEC | 4113 | Agricultural Prices & Forecasting (Sp) |
| | [X] | 3 | AGEC | 4303 | Adv Agri Marketing Management (Sp) |
| | [X] | 3 | AGEC | 4373 | Basis Trading: Applied Price Risk Mgmt (Sp,Su) |
| | [X] | 3 | AGEC | 4383 | Basis Trading: Case Study (Fa) |
| | [X] | 3 | AGEC | 4603 | Food Economics & Health [3] (Sp) |

*choose two from Management Group*
| | [X] | 3 | AGEC | 4143 | Agricultural Finance (Fa) |
| | [X] | 3 | AGEC | 4313 | Agricultural Business Management (Fa) |
| | [X] | 3 | AGEC | 4323 | Agribusiness Entrepreneurship (Sp) |
| | [X] | 3 | AGEC | 4403 | Advanced Farm Business Management (Fa) |

**8 Specialization (18 hrs)**
| | [X] | | AGEC | 3523 | Environmental & Nat Res Law (Even Yrs, Sp) |

*and choose 15 hours from at least two backeted areas*
| | [X] | | BLAW | 2013 | Legal Environment of Business |
| | | | BLAW | 3033 | Commercial Law |
| | [X] | | COMM | 2303 | Advanced Public Speaking |
| | [X] | | COMM | 3353 | Argumentation: Reason in Communication |
| | [X] | | COMM | 3383 | Persuasion |
| | [X] | | COMM | 3443 | Introduction to Rhetorical Theory |
| | [X] | | COMM | 4113 | Legal Communication |
| | [X] | | PHIL | 2003 | Introduction to Philosophy |
| | [X] | | PHIL | 2103 | Introduction to Ethics |
| | [X] | | PHIL | 2203 | Logic |
| | [X] | | PHIL | 3103 | Ethics and the Professions |
| | [X] | | PHIL | 4143 | Philosophy of Law |
| | [X] | | PLSC | 3103 | Public Administration |
| | [X] | | PLSC | 3153 | Public Policy |
| | [X] | | PLSC | 3243 | The Judicial Process |
| | [X] | | PLSC | 4193 | Administrative Law |
| | [X] | | PLSC | 4253 | The U.S. Constitution I |
| | [X] | | PLSC | 4263 | The U.S. Constitution II |
| | [X] | | AGEC | | Any 3000 or 4000 level AGEC course |
| | [X] | | AGEC | | Any 3000 or 4000 level AGEC course |

**9 General Electives (25-31 hrs) [4]**
Students who have not taken 36 hrs of 3000 and 4000 level courses in other segments of the concentration must fulfill the requirements in the General Electives. [5]

| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

# Dale Bumpers College of Agricultural, Food & Life Sciences
## EIGHT-SEMESTER DEGREE COMPLETION PROGRAM
### *B.S.A. – Agricultural Business (AGBS) – Agricultural Economics (AGEC)*
### 2017-2018 (v.1)

AGEC Requirements: 6-12 hours Communication; 3 hours History; 9-10 hours Mathematics and Statistics; 8 hours Science; 6 hours Fine Arts/Humanities; 9 hours Social Sciences; 33 hours Departmental Core; 15 hours Specialization Electives; 24-31 hours General electives (9 hours must be Bumpers College Broadening Electives taken outside of AGEC but within Bumpers).

**Bold –** Course meets University Core
Pre-requisites (Pre), co-requisites (Co), or recommended (Rec) courses are in parentheses.

| Fall Semester Year 1 | |
|---|---|
| **Course** | **Hours** |
| **English Core ENGL 1013** Comp I **OR** Exemption Elective | 3 |
| MATH 2043 Survey of Calculus (or higher math from University Core excluding MATH 2183) | 3 |
| **History Core Elective HIST 2003, HIST 2013, or PLSC 2003** | 3 |
| **Social Science Core AGEC 1103** Principles of Ag Micro-Economics (Pre or Co- MATH 1203) **OR ECON 2023** | 3 |
| AGME 2903 AGHE Applications of Microcomputers **OR** ISYS 1120 **OR** AFLS Broadening Elective (if ISYS 1120) | 3 |
| UNIV 1001 University Perspectives | 1 |
| **Total Semester Hours** | **16** |

| Spring Semester Year 1 | |
|---|---|
| **Course** | **Hours** |
| **English Core ENGL 1023** Comp II **OR** Exemption Elective | 3 |
| COMM 1313 Public Speaking | 3 |
| **Social Science Core AGEC 2103** Principles of Ag Macro-Economics (Pre or Co- MATH 1203) **OR ECON 2013** | 3 |
| AGEC 2303 Introduction to Agribusiness (Pre- AGEC 1103) | 3 |
| MATH 2053 Finite Mathematics (or higher math from University Core excluding MATH 2183) | 3 |
| | |
| **Total Semester Hours** | **15** |

| Fall Semester Year 2 | |
|---|---|
| **Course** | **Hours** |
| AGEC 2403 Quantitative Methods (Pre- AGEC 1103 or ECON 2143 and MATH 2053) **OR** WCOB 1033 (Pre- WCOB 1120 and (MATH 2053 or MATH 2554) with a grade of "C" or better) **OR** AGST 4023 **OR** STAT 4003/4001L | 3 |
| **Fine Arts/Humanities Core Elective** | 3 |
| AGEC 2142/2141L Agribusiness Financial Records/Lab (Pre- AGME 2903 & AGEC 1103) **OR** ACCT 2013 | 3 |
| **Science Core Elective – Lecture and Lab** | 4 |
| General Elective | 3 |
| **Total Semester Hours** | **16** |

| Spring Semester Year 2 | |
|---|---|
| **Course** | **Hours** |
| **Social Science Core PSYC 2003, HESC 2603, OR SOCI 2013** | 3 |
| **Science Core Elective – Lecture and Lab** | 4 |
| AGEC 3303 Food and Agri Marketing (Pre- AGEC 1103 or ECON 2023 or ECON 2143) | 3 |
| General Elective | 2 |
| Specialization Elective | 3 |
| **Total Semester Hours** | **15** |

| Fall Semester Year 3 | |
|---|---|
| **Course** | **Hours** |
| Communication Intensive Elective | 3 |
| AGEC 3403 Farm Business Management (Pre- AGEC 2142/2141L, AGME 2903, and AGEC 1103) | 3 |
| AGEC 4143 Agricultural Finance (Pre- AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013 and AGEC 2142/2141L or ACCT 2013) | 3 |
| ECON 3033 Microeconomic Theory (Pre- AGEC 2103 and AGEC 1103 and MATH 2043 or MATH 2554) | 3 |
| AGEC 3373 Futures and Options Markets | 3 |
| **Total Semester Hours** | **15** |

| Spring Semester Year 3 | |
|---|---|
| **Course** | **Hours** |
| **Fine Arts/Humanities Core Elective** | 3 |
| ECON 3133 Macroeconomic Theory (Pre- AGEC 2103 and AGEC 1103) and (MATH 2043 or MATH 2554) | 3 |
| AGEC 4113 Agric Prices and Forecasting (Pre- AGEC 1103 or ECON 2023 and AGEC 2403 or WCOB 1033 and MATH 2053) **OR** AGEC 4323 (Pre-AGEC 1103) **OR** AGEC 4373 Basis Trading: Applied Price Risk Management (Pre- AGEC 3373) **OR** Specialization Elective | 3 |
| General Elective | 6 |
| | |
| **Total Semester Hours** | **15** |

| Fall Semester Year 4 | |
|---|---|
| **Course** | **Hours** |
| AGEC 4613 Political Economy of Agri&Food (Pre-AGEC 1103 or ECON 2023 and AGEC 2103 or ECON 2013 and PSYC 2003 or SOCI 2013 or HESC 2603) | 3 |
| AGEC 4163 (P-AGEC 1103) **OR** AGEC 4313 Agricultural Business Management (P-AGEC 2142/1, 2303, & Sr. standing) **OR** Specialization Elective | 3 |
| AGEC 3503 Agricultural Law | 3 |
| Specialization Elective | 3 |
| General Electives | 3 |
| **Total Semester Hours** | **15** |

| Spring Semester Year 4 | |
|---|---|
| **Course** | **Hours** |
| AGEC 4113 Agric Prices and Forecasting (Pre- AGEC 1103 or ECON 2023 and AGEC 2403 or WCOB 1033 and MATH 2053) **OR** AGEC 4323 (Pre-AGEC 1103) **OR** AGEC 4373 Basis Trading: Applied Price Risk Management (Pre- AGEC 3373) **OR** Specialization Elective | 6 |
| General Electives | 7 |
| | |
| | |
| | |
| **Total Semester Hours** | **13** |
| **TOTAL HOURS** | **120** |

**B.S.A. Degree: Major in Agricultural Business (click for disclaimer)**
**Agricultural Economics (AGEC) Concentration**
Agricultural Economics and Agribusiness
**Dale Bumpers College of Agricultural, Food, and Life Sciences**
**2017-2018 (hard copy v1.0)**

Name: _____
Univ ID/Email: _____
Advisor: _____
Faculty Mentor: _____
Date: _____  Admit Term: _____

| Grd | Pts | Hrs | Alpha | Numr | Title |
|---|---|---|---|---|---|

**1 Communications (6-12 hrs)**

| | [X] | 3 | ENGL | 1013 | Composition I or Exemption Elective [1] |
| | [X] | 3 | ENGL | 1023 | Composition II or Exemption Elective [1] |
| | [X] | 3 | COMM | 1313 | Public Speaking |

*and choose three (3) hours from*

AGED 3143 Communicating Agriculture to the Public, AGED 4003 Issues in Agriculture, AGED 4343 Communication Campaigns in Agriculture, COMM 2303 Advanced Public Speaking, COMM 2323 Interpersonal Communication, COMM 2343 Introduction to Small-Group Communication, COMM 3383 Persuasion, CSES 3023 Crop, Soil, & Environmental Sciences Colloquium, ENGL 2003 Advanced Composition, ENGL 2013 Essay Writing, and ENGL 3053 Technical & Report Writing

| | [X] | | | | |
| | [X] | | | | |

**2 U.S. History or Government (choose 3 hrs)**

| | [X] | 3 | HIST | 2003 | History American People to 1877 |
| | [X] | 3 | HIST | 2013 | History American People 1877 to Present |
| | [X] | 3 | PLSC | 2003 | American National Government |

**3 Mathematics and Statistics (9-10 hrs)**

| | [X] | 3 | MATH | 2043 | Survey of Calculus (or higher) [2] |
| | [X] | 3 | MATH | 2053 | Finite Mathematics (or higher) [2] |

*Choose one from*

| | [X] | 3 | AGEC | 2403 | Quantitative Tools for Agribusiness (Fa) |
| | [X] | 3 | AGST | 4023 | Principles of Experimentation (Sp,Fa) |
| | [X] | 3 | WCOB | 1033 | Data Analysis & Interpretation [3] |
| | [X] | 3 | STAT | 4003 | Statistical Methods *and* |
| | [X] | 1 | STAT | 4001L | Statistical Methods Lab |

**4 Sciences (minimum of 8 hrs)**

ANTH 1013/1011L; ASTR 2003/2001L; BIOL 1003/1001L, 1524, 1543/1541L, 1584, 1603/1601L, 1613/1611L, 2213/2211L, 2443/2441L; CHEM 1053/1051L, 1073/1071L, 1103/1101L, 1123/1121L, 1223/1221L; ENSC 1003/1001L; ENTO 1023/1021L; GEOS 1113/1111L, 1133/1131L; PHYS 1023/1021L,

| | [X] | | DEPT | | |
| | [X] | | DEPT | | |
| | [X] | | DEPT | | |
| | [X] | | DEPT | | |

**5 Fine Arts and Humanities (6-8 hrs from two sets below)**
**5.a Fine Arts (choose 3-4 hrs)**

| | [X] | 3 | ARCH | 1003 | Basic Course in Arts: Arch Lecture |
| | [X] | 3 | ARHS | 1003 | Basic Course in Arts: Art Lecture |
| | [X] | 3 | COMM | 1003 | Basic Course in Arts: Film Lecture |
| | [X] | 3 | DANC | 1003 | Basic Course in Arts: Movement & Dance |
| | [X] | 3 | ENGL | 2023 | Creative Writing I |
| | [X] | 4 | HUMN | 2114H | Honors Birth of Modern Culture 1600-1900 |
| | [X] | 3 | LARC | 1003 | Basic Course in Arts: The Amer Landscape |
| | [X] | 3 | MLIT | 1003 | Basic Course in Arts: Music Lecture |
| | [X] | 3 | MLIT | 1013 | Music Lecture for Music Majors |
| | [X] | 3 | THTR | 1003 | Basic Course in Arts: Theatre Appreciation |
| | [X] | 3 | THTR | 1013 | Musical Theatre Appreciation |

**5.b Humanities (choose 3-4 hrs)**

| | [X] | 3 | AAST | 2023 | The African American Experience |
| | [X] | 3 | ARCH | 1013 | Diversity and Design |
| | [X] | 3 | CLST | 1003 | Introduction to Classical Studies: Greece |
| | [X] | 3 | CLST | 1013 | Introduction to Classical Studies: Rome |
| | [X] | 3 | COMM | 1233 | Media, Community and Citizenship |
| | [X] | 3 | ENGL | 1213 | Introduction to Literature |
| | [X] | 3 | GNST | 2003 | Introduction to Gender Studies |
| | [X] | 4 | HUMN | 1124H | Honors Equilibrium of Cultures 500-1600 |
| | [X] | 4 | HUMN | 2124H | Honors 20th Century Global Culture |
| | [X] | 3 | MUSY | 2003 | Music in World Cultures |
| | [X] | 3 | PHIL | 2003 | Introduction to Philosophy |
| | [X] | 3 | PHIL | 2103 | Introduction to Ethics |
| | [X] | 3 | PHIL | 2203 | Logic |
| | [X] | 3 | PHIL | 3103 | Ethics and the Professions |
| | [X] | 3 | WLIT | 1113 | World Literature I |
| | [X] | 3 | WLIT | 1123 | World Literature II |
| | [X] | 3 | | | Any Intermediate I Foreign Language |

**6 Social Sciences (9 hrs)**

*Choose one from*

| | [X] | 3 | PSYC | 2003 | General Psychology |
| | [X] | 3 | SOCI | 2013 | General Sociology |
| | [X] | 3 | HESC | 2603 | Rural Families & Communities (Sp) |

*Choose one from*

| | [X] | 3 | AGEC | 1103 | Principles of Agri Microeconomics (Sp,Su,Fa) |
| | [X] | 3 | ECON | 2023 | Principles of Microeconomics |

*Choose one from*

| | [X] | 3 | AGEC | 2103 | Principles of Agri Macroeconomics (Sp,Fa) |
| | [X] | 3 | ECON | 2013 | Principles of Macroeconomics |

**7 Departmental Core (33 hrs)**

*Choose one from*

| | [X] | 2 | AGEC | 2142 | Agribusiness Financial Records (Sp,Fa) *and* |
| | [X] | 1 | AGEC | 2141 | Agribusiness Financial Records Lab (Sp,Fa) |
| | [X] | 3 | ACCT | 2013 | Accounting Principles |

*and take*

| | [X] | 3 | AGEC | 2303 | Introduction to Agribusiness (Sp,Su,Fa) |
| | [X] | 3 | AGEC | 3303 | Food and Agricultural Marketing (Sp,Su,Fa) |
| | [X] | 3 | AGEC | 3403 | Farm Business Management (Sp,Fa) |
| | [X] | 3 | AGEC | 3503 | Agricultural Law I (Fa) |

*choose two from Policy Group*

| | [X] | 3 | AGEC | 3413 | Principles of Environmental Economics (Sp) |
| | [X] | 3 | AGEC | 4163 | Agricultural & Rural Development (Fa) |
| | [X] | 3 | AGEC | 4603 | Food Economics & Health [4] (Sp) |
| | [X] | 3 | AGEC | 4613 | Political Economy of Agriculture & Food (Fa) |
| | [X] | 3 | AGEC | 4623 | Int'l Agri Trade & Commercial Policy (Sp) |

*choose two from Marketing Group*

| | [X] | 3 | AGEC | 3313 | Agribusiness Sales (Sp) |
| | [X] | 3 | AGEC | 3373 | Futures & Options Markets (Fa) |
| | [X] | 3 | AGEC | 4113 | Agricultural Prices & Forecasting (Sp) |
| | [X] | 3 | AGEC | 4303 | Adv Agri Marketing Management (Sp) |
| | [X] | 3 | AGEC | 4373 | Basis Trading: Applied Price Risk Mgmt (Sp,Su) |
| | [X] | 3 | AGEC | 4383 | Basis Trading: Case Study |
| | [X] | 3 | AGEC | 4603 | Food Economics & Health [4] (Sp) |

*choose two from Management Group*

| | [X] | 3 | AGEC | 4143 | Agricultural Finance (Fa) |
| | [X] | 3 | AGEC | 4313 | Agricultural Business Management (Fa) |
| | [X] | 3 | AGEC | 4323 | Agribusiness Entrepreneurship (Sp) |
| | [X] | 3 | AGEC | 4403 | Advanced Farm Business Management (Fa) |

**8 Specialization (15 hrs)**

| | [X] | | ECON | 3033 | Microeconomic Theory |
| | [X] | | ECON | 3133 | Macroeconomic Theory |

*and choose*

Nine hours of electives from MATH or STAT or upper division electives from AGEC or any division courses in WCOB (e.g., ACCT, ECON, FINN, ISYS, MKTG, MGMT).

| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

**9 General Electives (24-31 hrs) [5]**

Students who have not taken 36 hrs of 3000 and 4000 level courses in other segments of the concentration must fulfill the requirements in the General Electives. [6]

| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
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| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |
| | [X] | | | | |

[1] If exempt by virtue of performance, use these credits as general electives.

[2] Any higher Math course from the University Core excluding MATH 2183 is eligible.

[3] WCOB 1033 prerequisites: ISYS 1120 or ISYS 1123, and MATH 2053 or MATH 2554, each with C or better.

[4] AGEC 4603 may only be used in either the Policy Group or the Marketing Group.

[5] Students must take nine credit hours outside of AGEC alpha code but within Bumpers College, i.e., AFLS, AGED, AGME, AGST, AMPD, ANSC, BENG, CSES, ENSC, ENTO, EXED, FDSC, HESC, HDFS, HORT, HOSP, NUTR, PLPA, and POSC.

[6] UNIV 1001 is required for new freshman and will count as a general elective credit

[7] Minimum overall GPA of 2.00; at least 120 credit hours; maximum 6 hours of Judging Team, Music Activity, and/or PEAC courses.

# Minor Fields for Agricultural Business Majors

Students majoring in Agricultural Business have the option of completing a minor in other fields in the Bumpers College, the Fulbright College of Arts and Sciences, or the Walton College of Business. The minor must be in a field other than Agricultural Business and students must notify their major advisor in the AEAB department and the Dean's Office of the Bumpers College of their intention to minor. An academic minor normally consists of 15-18 credit hours. Specific requirements for minors are given in the Catalog of Studies. Since minor fields of study are under the jurisdiction of the department offering the minor, Agricultural Business majors who wish to explore the possibility for completing a minor in some other field should plan to identify an advisor for the minor field. Any of the faculty advisors in AEAB can provide assistance in that identification.

**Bumpers College Minors.** Eighteen minors are offered by the Bumpers College. In addition to the minor in Agricultural Business and International Economic Development, others include: Agricultural Communication; Agricultural Education; Agricultural Systems Technology Management; Animal Science; Crop Science; Crop Biotechnology; Entomology; Equine Science; Food Science; Horticultural; Landscape Horticultural; Natural Resources Management; Pest Management; Plant Pathology; Poultry Science; and Turf Management.

**Fulbright College Minors**. Thirty nine minors are offered by the Fulbright College. Minors may be chosen from the following fields: African & African American Studies; Anthropology; Arabic; Art History; Asian Studies; Biology; Business; Chemistry; Chinese (Business Orientation); Classical Studies; Communication; Criminal Justice; Economics; English; European Studies; French; Gender Studies; Geography; Geology; German; Historic Preservation; History; Japanese w/Business Orientation Jewish Studies; Latin American and Latino Studies; Legal Studies; Mathematics; Medieval and Renaissance Studies; Middle East Studies; Music; Philosophy; Physics; Political Science; Psychology; Religious Studies; Social Work; Sociology Southern Studies; Spanish; Statistics; and Theatre.

**Walton College Minors.** The Walton College offers a Business Administration Minor for non-business students. Twelve minor concentrations are offered: Accounting; Business Economics; Enterprise Resource Planning (ERP); Enterprise Systems; Finance; General Business;Information Systems; International Business; Management; Marketing; Retail; and Supply Chain Management.

## The Minor in Agricultural Business

Students majoring in other disciplines at the University of Arkansas have the option of completing a minor in Agricultural Business. This minor is particularly appropriate for students in the technical fields of Agriculture, Human Environmental Sciences, or for students in areas such as Marketing, Management, and Finance in the Walton College of Business. A concentration of courses in environmental economics would be appropriate for students in Biological Sciences and Environmental Soil and Water Science.

## The Minor in International Development

Agricultural business majors or others interested in international development have the option of pursing the Minor in International Development. This minor consists of 12 hours of coursework from the Agricultural Economics and Agribusiness Department (AGEC) and Economics Department (ECON). In addition, at least three hours of a pre-approved study-abroad experience is required to complete the minor.

# Minor in Agricultural Business (AGBS-M)
### Department of Agricultural Economics and Agribusiness
### Dale Bumpers College of Agricultural, Food, and Life Sciences
### 2017-18 Checksheet (v1.0 hard copy)

**1  Core Requirements**: (6 credit hours)

| | |
|---|---|
| _____ | AGEC 1103 Principles of Agricultural Microeconomics[1] |

***Choose one from***

| | |
|---|---|
| _____ | AGEC 2103  Principles of Agricultural Macroeconomics[1] |
| _____ | AGEC 2303 Introduction to Agribusiness |

**2  Core Electives**: (6 credit hours)

*Select any two of the following courses*

| | |
|---|---|
| _____ | AGEC 3303 Food and Agricultural Marketing |
| _____ | AGEC 3313 Agribusiness Sales |
| _____ | AGEC 3373 Futures and Options Markets |
| _____ | AGEC 3403 Farm Business Management |
| _____ | AGEC 3413 Principles of Environmental Economics |
| _____ | AGEC 4313 Agricultural Business Management |
| _____ | AGEC 4323 Agribusiness Entrepreneurship |

**3  Controlled Electives**: (6 credits hours)[2]

| | |
|---|---|
| _____ | Any AGEC course not already used |
| _____ | ECON 3033 Microeconomic Theory |
| _____ | ECON 3133 Macroeconomic Theory |
| _____ | MATH 2043 Survey of Calculus |
| _____ | POSC 4213  Integrated Poultry Management Systems |

> Students declaring a minor must notify their Dean's Office.

**Student Name:**

**Univ ID No:**

**Major Advisor:**

**Minor Advisor:**

**Date:**

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[1] May be used to fulfill a Social Science requirement in the University Core.

[2] Additional upper-division courses in the Sam M. Walton College of Business may be substituted with approval, provided prerequisites for those courses have been satisfied outside of the minor.  A minimum of six hours of upper division credit hours of AGEC courses without substitution is required for the minor.  A student planning to minor in Agricultural Business should contact the program advisor for consultation and more detailed information.

# University of Arkansas
## Dale Bumpers College of Agricultural, Food and Life Sciences (AFLS) and
## Sam M. Walton College of Business (WCOB)

## INTERNATIONAL DEVELOPMENT (AGEC & ECON) MINOR
## 2017-2018

There are 15 hours required for a minor in International Development.

**Required. Select 4 of the 5 Courses:**

_____   AGEC 4163 Agricultural and Rural Development

_____   AGEC 4623 International Agricultural Trade and Commercial Policy

_____   ECON 3843 Economic Development, Poverty, and the Role of the World Bank and
IMF in Low-Income Countries

_____   ECON 3853 Emerging Markets

_____   ECON 4633 International Trade

**Required:  3-6 hours**

_____   A pre-approved study abroad experience

**Students declaring a minor must notify either the AFLS or the WCOB Dean's Office**.


Approved: Student _____

                                                                                    Date

Major Advisor _____

                                                                                    Date

Minor Advisor _____

                                                                                    Date

Copies to:     Student
               Major Advisor
               Minor Advisor
               AFLS and WCOB Dean's Offices
               Student's Dean Office (if not AFLS or WCOB)

# Undergraduate Courses in Agricultural Economics and Agribusiness

**AGEC 1103 Principles of Agricultural Microeconomics** (Sp, Su, Fa) Introduction to agricultural economics, including a survey of the role and characteristics of agriculture businesses in our economic system. Basic economic concepts concerning price determination, profit maximization, and resource use are emphasized. The use of economic principles as applied to the production and marketing decisions made by managers of agricultural firms is demonstrated. Credit will be allowed for only one of AGEC 1103 or ECON 2023 or ECON 2023H. Pre- or Co-requisite: MATH 1203.

**AGEC 2103 Principles of Agricultural Macroeconomics** (Sp, Fa) Applications of economic principles to problems of agricultural production, distribution, and income; including a study of the interrelationship between agriculture and other segments of the economy; and the dynamic forces in the economy which affect agriculture. Credit will be allowed for only one of AGEC 2103 or ECON 2013 or ECON 2013H. Pre- or Co-requisite: MATH 1203.

**AGEC 2142/2141L Agribusiness Financial Records/Lab** (Sp, Fa) Principles of small agricultural business management accounting practices are taught to allow students to gain hands-on experience with financial record keeping for a business. Resulting financial statements are analyzed to determine opportunities for enhancing financial efficiency. Prerequisites: AGME 2903 or ISYS 1120 and AGEC 1103 or ECON 2023 or ECON 2143

**AGEC 2303 Introduction to Agribusiness** (Sp, Su, Fa) Introduction to agribusiness issues as they relate to the food processing, wholesale and retail sectors of the agricultural industry. Coverage of methods and tools agribusiness managers use to evaluate business opportunities. Case studies serve to communicate concepts of product distribution, design, promotion and pricing in the development of a marketing plan. Prerequisite: AGEC 1103 (or ECON 2023).

**AGEC 2403 Quantitative Tools for Agribusiness** (Fa) Introduction to quantitative methods used in agricultural economics and agribusiness with an emphasis on skills and techniques that will enhance the ability of students to perform in upper division coursework. Provides an overview of statistical and optimization methods used in research problems, economic theory, and applied decision making activities. Prerequisites: AGEC 1103 or ECON 2143, and MATH 2043 or MATH 2053.

**AGEC 3303 Food and Agricultural Marketing** (Sp, Su, Fa) Surveys consumer trends in food markets and the marketing activities of the food and fiber system. Emphasizes marketing concepts for both commodities and differentiated food products. Topics include applied consumer and price theory; marketing management; structure and performance of the food system; and current agricultural marketing topics. Prerequisite: AGEC 1103 or ECON 2023 or ECON 2143.

**AGEC 3313 Agribusiness Sales** (Sp) Principles of professional sales and sales management techniques used in food and agricultural firms; develop a professional sales presentation; study current agribusiness industry professional sales persons and sales practices and techniques. Corequisite: Drill. Prerequisites: AGEC 1103 or AGEC 2103 or ECON 2013 or ECON 2023 or ECON 2143 or equivalent.

**AGEC 3373 Futures and Options Markets** (Fa) Theory and mechanics of commodity futures and options markets including trading, margin, fees, etc. Price relationships between cash, futures and options. Fundamental and technical price analysis. Price risk management strategies for producers and users of agricultural commodity marketing plan. Speculative and hedging simulation exercises. Prerequisite: AGEC 1103 (or ECON 2023).

**AGEC 3403 Farm Business Management** (Sp, Su, Fa) Application of economic principles for the profitable organization and operation of the farm business. Focuses upon agricultural production management decision-making tools: budgeting techniques (enterprise, partial, and cash flow), financial statements (balance sheet, income statement, and cash flow), investment analysis and risk management.  Recommended:  AGEC 1103 (or ECON 2023), AGEC 2142/1, and AGME 2903.

**AGEC 3413 Principles of Environmental Economics** (Sp) An introductory, issues-oriented course in the economics of the environment. The course will focus on what is involved in how society makes decisions about environmental quality. The environmental issues important to the State of Arkansas and the United States will be emphasized. Same as ENSC 3413.  Prerequisite: AGEC 1103 (or ECON 2023).

**AGEC 3503 Agricultural Law I** (Fa) Examination of those areas of law especially applicable to agriculture. Fundamentals of contract law, torts law, and property law will accompany discussion of major areas of agricultural law; acquisition and disposal of farmland; farm tenancies; rights and limitations in the use and ownership of farmland; water law; environmental protection; protection of the productivity of agricultural land; and the law of sales and secured transactions in an agricultural context.

**AGEC 3523 Environmental and Natural Resources Law** (Sp, Even Years)  Principles of environmental and natural resources law relevant to agriculture, food and the environmental sciences; legal principles relating to regulation of water, air, hazardous substances, land, wildlife, livestock, and water rights. Principles of civil and criminal liabilities and other developing legal and regulatory issues relating to agriculture and natural resources.

**AGEC 400V Special Problems** (Sp, Su, Fa) (1-6) Special studies and readings conducted under the direct supervision of staff members to satisfy the requirements of individual students. Instructor consent required.

**AGEC 401V Internship in Agribusiness**  (Sp, Su, Fa) (1-6)  A supervised practical work experience in an agribusiness firm or a governmental or industrial organization having direct impact on agriculture in order to gain professional competence and insight to employment opportunities. Prerequisite: junior standing. Instructor consent required.

**AGEC 402V Special Topics (**Irregular) (1-3) Studies of selected topics in agricultural economics not available in other courses. Instructor consent required.

**AGEC 4113 Agricultural Prices and Forecasting** (Sp)  Price theory and techniques for predicting price behavior of general economy and price behavior of individual commodities will be analyzed. Provides practice in the application of economics and statistics to agricultural price analysis. Lecture 2 hours, laboratory 2 hours per week. Prerequisites: AGEC 1103 (or ECON 2023), AGEC 2403, (introductory statistics AGST 4023 or STAT 2303 or WCOB 1033) and MATH 2053.

**AGEC 4123. Legal Issues in Animal Agriculture (Odd years, Sp). 3 Hours.**  An issues-oriented course focusing on the legal issues involved in the production of poultry, swine and livestock. Emphasis will center on the laws, regulations and policy arguments involved in animal confinement, antibiotic use, humane slaughter and veterinary medicine, along with other related issues. The wide range of regulation from local to state to federal, depending on the issue will be studied and discussed.

**AGEC 4143 Agricultural Finance** (Fa) Methods and procedures whereby agricultural firms acquire and utilize funds required for their successful operation. Emphasis is placed upon role of finance and financial planning and consideration is given to an understanding of financial firms serving agriculture. Pre-requisites:  (AGEC 1103 or ECON 2023) and (AGEC 2103 or ECON 2013) and (AGEC 2142/1 or WCOB 1023).

**AGEC 4163 Agricultural and Rural Development** (Fa) Examination of agricultural and rural development issues in low-income countries. Alternative agricultural production systems are compared, development theories examined, and consideration given to the planning and implementation of development programs. Prerequisite: AGEC 1103 (or ECON 2023).

**AGEC 4303 Advanced Agricultural Marketing Management** (Sp) Marketing concepts will be developed and applied to the global food and fiber system. The course will use both commodity and product marketing principles and economic theory to analyze varied marketing situations. Case studies will be used to demonstrate role that demand analysis and consumer behavior play in market management. Prerequisites: AGEC 2303 and AGEC 3303.

**AGEC 4313 Agricultural Business Management** (Fa) The planning, organizing, leading and controlling functions of management as they relate to agricultural business firms. Marketing of value-added products, budgeting, organizational structure, cost control, financial statements, capital budgeting and employee supervision and motivation. Case studies are used to teach communication and decision-making skills. Prerequisites: (AGEC 2142/AGEC 2141L or AGEC 2142/1) or equivalent, AGEC 2303 or equivalent, and senior standing is recommended.

**AGEC 4323 Agribusiness Entrepreneurship** (Sp) Agribusiness entrepreneurship is the process of bringing food or rural-based products and services from conceptualization to market.  The course presents the opportunities, problems and constraints facing individuals and firms operating in rural or isolated markets while emphasizing the steps in conceptualization, development, marketing, and delivery-selling of agribusiness rural products.  Prerequisite:  AGEC 1103 (or ECON 2023).

**AGEC 4373 Advanced Price Risk Management** (Sp,Su) Use of futures markets as risk shifting institutions. Students design and implement hedging and cross hedging strategies for grain farmers, country elevators, soybean crushers, poultry firms, etc. Spreadsheets and statistical techniques are used to develop optimal hedging ratios. Prerequisite: AGEC 3373 or consent of instructor.

**AGEC 4383. Basis Trading: Case Study** (Fa).  This course provides an opportunity to apply principles learned in AGEC 4373 to grain merchandising using the case study approach. The course will involve in-class meetings supplemented with faculty-directed group-based learning experiences involving professional grain merchandisers. Group activities will follow the traditional case study method. Prerequisite: AGEC 4373.

**AGEC 4403 Advanced Farm Business Management** (Fa) Principles and procedures of decision making as applied to the allocation of resources in the farm business for profit maximization. Emphasis is placed on use of principles of economics and their application to the decision making process. Includes exercises on the application of principles to specific farm management problems. Prerequisites: AGEC 3403 and AGME 2903 or equivalent.

**AGEC 4613 Political Economy of Agri and Food** (Fa) Agricultural and food policies studied from domestic and international perspectives. Examines public policy in terms of rationale, content, and consequences. Economic framework used to assess policies to improve competitive structure, operation, and performance of U.S. and international food and agriculture. Farm, international trade, resource, technology, food marketing, and consumer policies analyzed. Prerequisites: (AGEC 1103 or ECON 2023) and (AGEC 2103 or ECON 2013) and (PSYC 2003 or SOCI 2013 or RSOC 2603).

**AGEC 4623 International Agri Trade & Comm Policy** (Sp) Analysis of agricultural market competition and performance in a global economy.  The impact of domestic and international agricultural policies on domestic and international markets and welfare.  Economic principles applied to the interaction of economic events in the world food economy. Prerequisites: (AGEC 1103 or ECON 2023) and (AGEC 2103 or ECON 2013).

## Teaching Faculty in the Department of Agricultural Economics and Agribusiness

**Bruce L. Ahrendsen**, Professor (Ph.D., North Carolina State University, Economics). Teaches AGEC 4143 Agricultural Finance and AGEC 5143 Financial Management in Agriculture. Major research interests include financial institutions and markets, credit evaluation, financial management, credit programs, risk management, farmland leasing, and asset valuation. He has financial institution work experience. He has international experience in Europe, where he leads case-based study weeks in the International MBA in Agribusiness at universities in Central and Eastern Europe and serves on the Board of the International Network for the MBA in Agribusiness and Commerce and the Management Board of the EU-US Double MS Degree Program in Rural Development and Agricultural Economics.

**Bruce L. Dixon,** Professor (Ph.D., University of California-Davis, Agricultural Economics). Teaches AGEC 2103 Principles of Agriculture Macroeconomics, AGEC 2403 Quant Tools for Agribusiness, AGEC 4113 Agricultural Prices and Forecasting, and AGEC 5613 Econometrics I. Dr. Dixon holds a joint appointment in the Department of Agricultural Economics and Agribusiness and Department of Economics. Winner of AAEA outstanding doctoral dissertation for 1976 and 2005 Gamma Sigma Delta Award for Research. Research specialty is applied econometrics and agricultural finance.

**Alvaro Durand-Morat**: Associate Professor (Ph.D., University of Arkansas, Public Policy). Teaches AGEC 4613 Political Economy of Agriculture and Food. Areas of research are international rice markets and trade, agricultural technology assessment, and economic modeling. He developed and maintains the RiceFlow model, a well-received spatial, supply-chain model of the global rice economy.

**Di Fang,** Assistant Professor (Ph.D., Arizona State University, Business Administration-Agribusiness). Teaches AGEC 1103 Principles of Agricultural Economics and AGEC 5613 Econometrics. Areas of research include health economics, spatial econometrics, and consumer choices.

**Steve Halbrook,** Professor and Department Head (Ph.D., Iowa State University, J.D., Drake University School of Law) Teaches the graduate seminar AGEC 5011 fall and spring semesters. He is admitted to the practice of law in the District of Columbia. Dr. Halbrook's research and extension interests include the economics of biofuels, structural change in agriculture, marketing regulations and agricultural policy. Dr. Halbrook is the immediate past president of the American Agricultural Law Association.

**Qiuqiong Huang,** Associate Professor and International Applicant Evaluator (Ph.D., University of California – Davis, Agricultural and Resource Economics). Teaches AGEC 2403 Quantitative Tools for Agribusiness and AGEC 5103 Agricultural Microeconomics. Areas of research include natural resource economics (with an emphasis on water and land) and development issues including education, migration and labor market outcomes.

**Nathan Kemper,** Instructor (Ph. D., University of Arkansas, Public Policy - Food and Agriculture Policy). Teaches AGEC 1103 Principles of Microeconomics, AGEC 2303 Introduction to Agribusiness, and AGEC 3403 Farm Business Management. Nathan is a native of Missouri where he grew up on his family's dairy and beef cattle farm, a Missouri Century Farm established in 1889. Research areas include agricultural and food industry policy economics, economic impact, marketing, consumer behavior, and experimental economics. Outreach areas have included online learning and business planning training.

**Kent F. Kovacs,** Assistant Professor (Ph.D., University of California – Davis, Agricultural and Resource Economics). Teaches AGEC 2103 Principles of Macroeconomics and AGEC 5133 Agricultural and Environmental Resource Economics. Areas of research are in resource economics and sustainability with an emphasis on land use, water, ecosystem services, and invasive species.

**Jeff Luckstead**, Assistant Professor (Ph.D., Washington State University, Economics). Teaches AGEC 4623 International Agricultural Trade Policy and AGEC 5623 Quantitative Policy Analysis. Research specialty is in theoretical and applied agricultural policy analysis, new empirical industrial organization methods, and policy analysis under firm-level heterogeneity. Dr. Luckstead received the Outstanding Doctoral Dissertation Award from the Agricultural and Applied Economics Association in 2014.

**Andrew McKenzie,** Professor (Ph.D., North Carolina State University, Economics). Teaches AGEC 3373 Futures and Options Markets, and AGEC 4373 Basis Trading: Advanced Price Risk Management. Current research focuses on risk management and efficiency issues in futures and options markets. Other research interests include time series analysis and the informational content of derivatives. Dr. McKenzie received the Gamma Sigma Delta Teaching Award (2006) and the Agricultural Business Club Outstanding Teaching Award (2005), and (2007).

**L. Lanier Nalley**, Associate Professor (Ph.D., Kansas State University, Agricultural Economics). Teaches AGEC 4163 International Agricultural and Rural Development and AGEC 5403 Quantitative Methods for Agribusiness. Research specialty is in agricultural policy and marketing, economics of public plant breeding, carbon foot printing, and international developmental policy. International research experience in China, Ghana, and Mexico.

**Rodolfo M. Nayga, Jr.,** Professor and Tyson Chair in Food Policy Economics (PH.D. Texas A&M University). Teaches AGEC 5303 Agricultural Marketing Theory. His research interests are focused on the economics of food policy, demand, nutrition, and health. Dr. Nayga and his graduate students are the recipients of numerous research awards, including those from the American Agricultural Economics Association, American Council on Consumer Interests, Food Distribution Research Society, Norman E. Borlaug International Agricultural Science and Technology Fellowship Program, and the Southern Agricultural Economics Association.

**Michael P. Popp,** Professor (Ph.D. Colorado State University, Agricultural Economics). Teaches AGEC 2142/1 Agribusiness Financial Records and AGEC 4313 Agricultural Business Management. Areas of research are in farm and agribusiness management with an emphasis on risk management. Current projects include best management practices in crop production and for cattle operations in a whole farm context where possible. Dr. Popp is also interested in on-farm, alternative energy production. Dr. Popp has received a college teaching award in 1998.

**Daniel Rainey,** Associate Professor and Graduate Program Coordinator (Ph.D., Purdue University, Agricultural Economics). Teaches AGEC 4323 Agri-Business Entrepreneurship and AGEC 5153 Economics of Public Policy. Research interests include public finance and economic development. Recent projects include an analysis of the Arkansas Agritourism sector and its potential to supplement farmer's incomes. Research interest also include analyzing the education and workforce training programs to better develop a globally competitive workforce in Arkansas.

**Elizabeth R. Rumley,** Adjunct Instructor (J.D. *cum laude* University of Toledo College of Law; LL.M., University of Arkansas School of Law) Staff Attorney, National Agricultural Law Center. Teaches AGEC 3523 Environmental and Natural Resources Law and AGEC 4123 Legal Issues in Animal Agriculture.  Her primary research focus is on legal issues in animal agriculture.  She also helped develop and co-taught a course titled "Animals and Agricultural Production, Law and Policy" at the University of Oklahoma College of Law and the University of Nebraska College of Law.  She works closely with the University of Arkansas' Center of Excellence for Poultry Science, Animal Science Department, and the Agricultural Economics and Agribusiness Department, in addition to serving on the advisory board of the University Of Arkansas System Division Of Agriculture's Center for Food Animal Well-Being.  She is licensed to practice law in Michigan and Ohio.

**Rusty W. Rumley,** Adjunct Instructor (J.D. University of Oklahoma School of Law; LL.M., University of Arkansas School of Law) Staff Attorney at the National Agriculture Law Center. Teaches AGEC 3503 - Introduction to Agricultural Law.  Research emphasis areas are landowner liability, farm commodity programs, and environmental regulation of agriculture, National Organic Program, forestry, agritourism, agricultural contracting, and food law. He is an active member of the Oklahoma Bar Association. Rusty has taught at the University of Oklahoma School of Law and at the University of Nebraska School of Law where he has co-taught a class on legal issues in production animal agriculture. He is currently a member of the American Agricultural Law Association.

**Michael R. Thomsen,** Professor and Undergraduate Coordinator, (Ph.D., University of Minnesota, Agricultural and Applied Economics with a minor in Business Administration). Teaches AGEC 3303 Food and Agricultural  Marketing, and AGEC 5413 Agribusiness Strategy. Research interests include food marketing and food policy, strategic management of agribusiness firms, and organizational economics.

# AEAB Departmental Committees and Personnel of Interest to Students:

**Awards Committee**—Dr. Andrew McKenzie, Chair
Selects nominees and prepares nominations of students and faculty for various honors and awards. Students should see the Chairman for information on the student honors and awards available.

**Graduate Program Committee**-Dr. Daniel Rainey, Chair
Deals with graduate student recruitment and selection, graduate curriculum, scheduling of graduate courses, etc. Students interested in graduate study and financial support for graduate study should see the Chairman.

**Scholarship Committee**—To be announced
Awards and administers departmental scholarship support for undergraduate students. Chairman also serves on the College Scholarship Committee. Students should see the Chairman for information on scholarships and applications.

**Undergraduate Program Committee**—Dr. Michael Thomsen, Chair
Deals with issues of departmental undergraduate curriculum, student advisement, course scheduling, etc. Chairman also serves as a member of the College Curriculum Committee. Students with problems of substituting courses, gaining credit for courses taken in other institutions, etc., should contact the Chairman.

**Undergraduate Program Administrative Specialist** – Ms. Melinda Dunlap

**Graduate Program Administrative Specialist** – Ms. Alicia Minden

**Agricultural Business Club**—Club Advisor: Mr. Nathan Kemper

**Agricultural Business Club** – Club Officers 2017-2018:  President- Colson Tester,  Vice President- Matt Hansen; Secretary- Taylor Pruitt, Treasurer- Maddison Lindsey

**Department Administrative Manager—** Ms. Tonya Foster

**Communication Manager—** Mr. Ryan Ruiz

**Accounting—**Ms. Bipasha Ahmed, Departmental Fiscal Manager; Mr. Joseph Porter-Departmental Fiscal Support Specialist

**Computer Staff—** Mr. Grant West, Ms. Heather Price, Ph.D.