### AGRICULTURAL EDUCATION CURRICULUM GUIDE

**GENERAL EDUCATION (31)**

<table>
<thead>
<tr>
<th>Communications (8 hrs)</th>
<th>Credit</th>
<th>Grade</th>
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<tbody>
<tr>
<td>ENGL 100 Expos Writ I</td>
<td>3</td>
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<tr>
<td>ENGL 200 Expos Writ II</td>
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<tr>
<td>COMM 105 Pub Speak I</td>
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**Humanities & Social Sciences (9 hrs)**

Must be taken from outside the College of Agriculture

- HDFS 110 Intro to Human Development
  - A 3
  - B 3

**Quantitative Science (6 hrs.)**

- Math 100 College Algebra
  - Or 3
- Higher Level Math Course
  - STAT 325 Introduction to Statistics 3

**Natural Sciences (8 hrs.)**

- BIOL 198 Principles of Biology 4
- CHM 110 General Chemistry 3
- CHM 111 General Chemistry Lab 1

**TECHNICAL AGRICULTURE (41 + 3 elec = 44)**

**Required Agricultural Science (29 hrs.)**

- ASI 102 Prin. Animal Science 3
- AGEC 120 Prin of Agr Econ & Agribus 3
- HORT 201 Prin Horticultural Science or AGRON 220 Crop Science 4
- AGRON 305 Soils 4
- AGED 260 Agriculture Construction 3

**Power Structural Technical Systems Electives (3)**

**Food Products and Processing Course (3)**

**Agricultural Production Course with Lab (3)**

**Financial Management Course (3)**

**Agricultural Science Electives (12 hrs.)**

Complete 12 hours of College of Agriculture Courses, 3 courses that are a minimum of 3 hours from 3 different programs that are 300 level or higher.

**TEACHER EDUCATION (45)**

**Pre-Professional (7 hrs.)**

- AGED 300 Intro to Ag Education 1
- AGED 505 Field Experience Ag Ed. 1
- EDSEC 310 Foundations of Ed. 3
- EDSEC 620 Prin & Phil Career & Tech Ed 2

**Block I (11 hrs.)*

- EDCEP 315 Educational Psychology 3
- EDSP 323 Exceptional Stud Sec School 2
- EDSEC 376 Core Teach Skills & Lab 3
- EDCI 318 Educational Technology 1
- AGER 400 Lead & Prof Development 2

**Block II (15 hrs.)* Fall Semester**

- EDCEP 525 Interpersonal Relations Schools 1
- EDSEC 455 Teaching Multicultural Society 1
- EDSEC 477 Mid/Sec Reading 2
- AGED 500 Methods Teaching Ag 3
- AGED 520 Content Area Meth & Fld Exp 2
- AGED 625 Inquiry/STEM/CASE 3
- AGED 621 Program Plan Ag Ed 3
- AGED 600 Senior Seminar 0

**Block III (12 hrs.)* Spring Semester**

- EDSEC 586 Teach Partic & Prof Dev Sem 12

**Total Hours Required for Graduation = 120 hrs.**

*See reverse for Teacher Education Admission Requirements

**K-STATE 8 REQUIREMENTS:**

http://www.k-state.edu/kstate8/

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<table>
<thead>
<tr>
<th>Subject</th>
<th>Catalog Number</th>
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<tbody>
<tr>
<td>Literature/Fine Arts Elec.</td>
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<tr>
<td>BIOL 198</td>
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<tr>
<td>AGED 500</td>
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<tr>
<td>Global Issues Elective</td>
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<td>EDSEC 620</td>
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<td>EDSEC 455</td>
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<td>CHM 110</td>
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<td>FSHS 110</td>
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**Subject Catalog Number**
Admission to Teacher Education Required as follows

50 Hrs complete

- Overall 2.75 GPA (on courses used for the degree)
- Teaching Field 2.75 GPA (on courses used for the degree)
- Introduction to Ag. Education
- Expository Writing I (C)
- Expository Writing II (C)
- Public Speaking (C)
- College Algebra (or higher) (C)
- Statistics (C)
- ACT Score of 22 (or higher) or take the Basic Skills Exam
- Admission application submitted and approved

K-STATE 8 REQUIREMENTS

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

Course Options

- Power Structural Technical Systems (3 hours of electives)
- ATM 160 Engineering Systems and Technology in Agriculture (3 credit hours)
- AGED 262 Ag Structures (2 credit hours)
- AGED 264 Ag Power (2 credit hours)
- AGED 210 Equipment and Material Management (1 credit hour)
- AGED 212 Emerging Technologies in Power Structural and Technical Systems

- Food Products and Processing (3 hour course)
  - ASI 350 Meat Science
  - ASI 405 Fundamentals of Milk Processing
  - ASI 640 Poultry Production Technology
  - FDSCI 302 Food Science
  - FDSCI 305 Fundamentals of Food Processing
  - GRSC 150 Principles of Milling with 151 Principles of Milling Lab

- Financial Management (3 hour course)
  - AGEC 202 Small Business Operations
  - AGEC 308 Farm and Ranch Management
  - PFP 105 Introduction to Personal Financial Planning

- Agriculture Production with Lab (minimum of a 3 hour course)
  - AGRON 330 Weed Science
  - AGRON 515 Soil Genesis and Classification
  - AGRON 630 Crop Improvement and Biotechnology
  - AGRON 635 Soil and Water Conservation
  - ENTOM 305 Animal Health Entomology with ENTOM 306 Animal Health Entomology Lab
  - ENTOM 320 Horticultural Entomology
  - ASI 315 Livestock and Meat Evaluation
  - ASI 320 Principles of Feeding
  - ASI 400 Farm Animal Reproduction with ASI 401 Farm Animal Reproduction Lab
  - ASI 524 Sheep and Meat Goat Science
  - ASI 535 Swine Science
  - HORT 350 Plant Propagation
  - HORT 374 Landscape Plants 1
  - HORT 520 Fruit Production
  - HORT 570 Greenhouse Operations Management
  - HORT 585 Arboriculture