



# EASTERN KENTUCKY UNIVERSITY

## College of Business & Technology

### SUGGESTED CURRICULUM GUIDE FOR AGRICULTURE (B.S. DEGREE) SOILS OPTION – Fall 2009

#### Freshman (1<sup>st</sup> Semester) 15 hrs

BTO 100\* Orientation (1 hr)  
 AGR 125 Principles of Animal Science  
 AGR 126 Animal Science Lab (1 hr)  
 AGR 130 Principles of Agronomy  
 AGR 131 Agronomy Lab (1 hr)  
 Block I-A ENG 101 English I  
 Block II MAT 105 (or higher) Mathematics

#### Sophomore (1<sup>st</sup> Semester) 16 hrs

AGR 215 Soils  
 AGR 308 Agribusiness  
 AGR 301/302 or 349 Directed Work or Coop (1 hr)  
 Block III-C Humanities  
 Block VI Wellness  
 Free Elective (3 hrs)

#### Junior (1<sup>st</sup> Semester) 17 hrs

AGR 317 Soil Classification & Morphology (2 hrs)  
 AGR/OHO Elective\* (3 hrs)  
 ACC 201 Introduction to Financial Accounting  
 Block I-C CMS 100 Communication  
 Block V-C History or Social Science  
 Block VII Breadth of Knowledge

#### Senior (1<sup>st</sup> Semester) 16 hrs

AGR 304 Pest Management (4 hrs)  
 AGR 416 Soil Fertility  
 AGR 301/302 or 349 Directed Work or Co-op (3 hr)  
 AGR/OHO Elective\* (3 hrs)  
 Block VIII Depth of Knowledge

#### Freshman (2<sup>nd</sup> Semester) 16 hrs

AGR 210 Agricultural Measurements (2 hrs)  
 AGR 213 Agricultural Mechanics (4 hrs)  
 Block I-B ENG 102 English II  
 Block IV-B CHE 101 Chemistry in Everyday Life  
 Block IV-B CHE 107 Introductory Chemistry Lab (1 hr)  
 Block V-B ECO 230 Principles of Microeconomics

#### Sophomore (2<sup>nd</sup> Semester) 17 hrs

AGR 315 Soils Lab (2 hrs)  
 AGR 318 Soil/Water Conservation  
 AGR/OHO Elective\* (3 hrs)  
 Block IV-A BIO 121 Principles of Biology (4 hrs)  
 Block III-A Arts  
 Free Elective (2 hrs)

#### Junior (2<sup>nd</sup> Semester) 16 hrs

AGR 340 Conservation of Agr. Resources  
 AGR 312 or 345 Forages or Sustainable Agriculture  
 AGR 305 Professional Skills Seminar (1 hr)  
 AGR/OHO Elective\* (3 hrs)  
 Block VII CIS 212, CCT 201, or CSC 104  
 Free Elective (3 hrs)

#### Senior (2<sup>nd</sup> Semester) 15 hrs

AGR 310 or 350 Agribusiness Mgt. or Marketing  
 AGR 411 Senior Seminar (1 hr)  
 Block V-A History  
 Block VIII Depth of Knowledge  
 Free Electives (5 hrs)  
 BTS 400 Business & Technology Seminar (0 credit)\*\*

\*Ag electives may be AGR or OHO but must be upper division (>300). EKU requires a minimum of 128 cr hrs with at least 43 hrs being upper division (AGR electives=12 credits; Free Electives=13 credits).

\*\* Spring only

### BACHELOR OF SCIENCE - Department of Agriculture

#### Agriculture Area Major, Soils Option

University Requirements .....	1 hr
BTO 100	
General Education Requirements.....	36 hrs
Standard General Education program, excluding general education course blocks IVA, IVB, VB, and VII (QS). Refer to Section Four of the <i>Undergraduate Catalog</i> for details on the General Education and University requirements.	
College Requirement: Professional Skills Seminar	
BTS 400 (CR)	
Supporting Course Requirements .....	17 hrs
ACC 201, BIO 121, CHE 101 and CHE 107 (1), ECO 230; CIS 212 or CCT 201 or CSC 104	
Free Electives .....	14 hrs
Core.....	44 hrs
AGR 125, 126, 130, 131 210, 213, 215, 304, 308, 310 or 350, 411; four hrs from AGR 301, 302, or 349; and 12 hrs of upper division AGR and/or OHO electives.	
Major Requirements.....	16 hrs
AGR 312 or 345, 315, 317, 318, 340, and 416	
Total Curriculum Requirements .....	128 hrs



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#### SUGGESTED ELECTIVE COURSES FOR SOILS OPTION

AGR 327 Beef Production	AGR 250 Light Horse Production
AGR 362 Hydraulic Systems	AGR 321 Feeds & Feeding
AGR 272 Agricultural Machinery & Safety	AGR 330 Meat Identification & Consumer Eval.
AGR 374 Genetics of Livestock	AGR 332 Poultry Production & Management
AGR 376 Anatomy & Physiology	AGR 373 Animal Diseases
AGR 421 Animal Nutrition	AGR 350 Agricultural Marketing
AGR 440 Agricultural Financing	AGR 383 Diesel Power Systems
AGR 375 Reproduction & Artificial Insemination	AGR 380 Management of Dairy Cattle
AGR 409 Ag Records	

#### POTENTIAL JOB OPPORTUNITIES WITH A B.S. IN AGRICULTURE SOILS OPTION

Environmental Educator	Teaching natural history in the field and classroom as a naturalist	\$30,000+
Soil Conservationist	State, Federal, and private land manager of natural resources	\$30,000+
Water Quality Specialist	Monitoring and research into water quality programs	\$30,000+
Environmental Resource Agent	Monitoring and research into water quality programs	\$30,000+
Mining Reclamation Specialist	State reclamation of abandoned mining sites	\$35,000+
Laboratory Specialist	Assisting in the design and implementation of research experiments	\$30,000
Soil Scientist	State, Federal, and private land manager of natural resources	\$60,000

#### FOR MORE INFORMATION CONTACT:

##### Department of Agriculture

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