

# CAREER AND TECHNICAL EDUCATION/TEACHING, BACHELOR OF SCIENCE WITH A CONCENTRATION IN AGRICULTURE EDUCATION (B.S.)

Career and Technical Education concentrations require all pre-service students to meet the general education knowledge for initial teacher preparation requirements (see College of Education section of this *Catalog*).

The BS degree program in Career and Technical Education is accredited by the Council for the Accreditation of Educator Preparation.

## Program Requirements

CIP Code: 13.1319

### Summary Checklist for General Education

Code	Title	Hours
<b>Element 1</b>		
A:	Written Communication ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/</a> )	3
B:	Written Communication ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/</a> )	3
C:	Oral Communication ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-1/</a> )	3
<b>Element 2</b>		
	Quantitative Reasoning ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-2/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-2/</a> )	3
<b>Element 3</b>		
A:	Arts ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/</a> )	3
B:	Humanities ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-3/</a> )	3
<b>Element 4</b>		
	Natural Sciences ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-4/</a> )	6
<b>Element 5</b>		
A:	Historical Science ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/</a> )	3
B:	Social Behavioral Science ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-5/</a> )	3
<b>Element 6</b>		

Diversity of Perspectives Experiences ( <a href="http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/">http://catalogs.eku.edu/undergraduate/general-academic-information/general-education-requirements/element-6/</a> )	6
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**Total Hours** 36

Students are expected to complete Elements 1 and 2 within their first 60 hours of college credit.

## Major

Code	Title	Hours
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### University Graduation Requirements

General Education	36
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#### Student Success Seminar

BUS 100	Professional Development One	1
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Upper division courses (42 hrs. distributed throughout Major/Supporting/Gen Ed/Free Electives categories)

### Major Requirements

#### College Requirements

BUS 300	Professional Development Three	0
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BUS 400	Professional Development Four	0
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### Pre-Service Teacher Education Program

#### Career and Technical Education Requirements

CTE 262	Foundations of Career and Technical Education (Pre-Service)	3
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CTE 361	Course Materials in Career and Technical Education	3
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CTE 363	Evaluation in Career and Technical Education	3
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#### Concentrations

Students must select one of the following Concentrations:

Agriculture Education	45-46
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Technical Education	
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Engineering/Technology Education <sup>1</sup>	
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#### Professional Education Requirements

EDF 203	Educational Foundations	3
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EDF 219	Human Development and Learning	3
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EMS 300W	Curriculum and Instructional Design	1
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EDF 413	Assessment in Education	2
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EMS 474	Disciplinary Literacy	3
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EMS 490	Classroom & Behavior Management	1
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ESE 552	Teaching of Career and Technical Education in Middle and Secondary Schools	3
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SED 104	Special Education Introduction (Element 6) <sup>G,C</sup>	
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TEC 368	Workshop in Technology	3
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#### Clinical Experiences:

CED 100	Clinical I: Introduction to the Education Profession	0
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CED 200	Clinical II: Understanding the Learner	0
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CED 300	Clinical III: Curriculum and Instructional Design	0.5
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CED 400	Clinical IV: Diagnosis and Prescription	0.5
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CED 450	Clinical V: Practicing Teaching	1
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CED 499	Clinical VI: The Professional Semester	9
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**Total Hours** 121-122

**G**

Course also satisfies a General Education element. Hours are included within the 36 hours in General Education.

**C**

Course also satisfies Core or Concentration requirements

1

Those desiring eligibility to teach in pre-engineering education programs at the middle school and high school level should take the following general education courses: CHE 111 General Chemistry, MAT 114 College Algebra, MAT 120 Trigonometry, PHY 131 College Physics I.

2

Course meets Professional Education Requirements.

**Concentration****Animal Science**

Code	Title	Hours
<b>Concentration Courses</b>		
AGR 125	Principles of Animal Science	3
AGR 126	Animal Science Laboratory	1
Choose from one of the following:		4
AGR 321	Feeds and Feeding	
AGR 327	Beef Production	
AGR 328	Swine Production	
AGR 380	Technical Management of Dairy Cattle	
<i>Agricultural Systems Management</i>		
AGR 213	Principles of Agricultural Mechanics and Energy Systems	3
Choose from one of the following:		2-3
AGR 311	Agriculture Metal Fabrication	
AGR 362	Hydraulic Systems	
AGR 383	Diesel Power Systems	
<i>Soil Science</i>		
AGR 215	Principles of Soils	3
Choose from one of the following:		3
AGR 318	Soil/Water Conservation Technology	
<i>Plant Science</i>		
Choose from one of the following:		4
AGR 130 & AGR 131	Plant Science and Plant Science Laboratory	
OHO 131 & OHO 132	Plant Science and Plant Science Laboratory	
Choose from one of the following:		4
AGR 312	Ecology and Management of Grasslands and Pastures	
<i>Agriculture Business</i>		
AGR 308	Agricultural Economics	3
Choose from one of the following:		3
AGR 310	Principles of Agribusiness Management	
AGR 350	Agricultural Marketing	
AGR 409	Agriculture Business Records and Analysis	
AGR 440	Agricultural Financing	
AGR 304	Pest Management	4
AGR 305	Professional Skills Seminar	1

Agriculture or Horticulture electives to make 45 credit hours selected in consultation with your advisor 7

**Total Hours****45-46**

Graduates completing the Pre-Service Teacher Education concentration must have a minimum of 2000 clock hours of planned and supervised work experience in the occupation in which they will teach or a minimum of three years of approved work experience in the occupation in which they will teach. Students must also take the PRAXIS II Specialty Examination before graduation.

Candidates earning a degree that leads to pre-service teacher certification must take the PRAXIS Series (Professional Assessments for Beginning Teachers) and PLT (Principles of Learning and Teaching) exams as a requirement for graduation. Candidates are encouraged to review the schedule for PRAXIS and PLT registration deadlines prior to beginning the senior year. Specialty exams are required for each certification area sought and it may take more than one test date to complete all requirements. Candidates should confer with their education advisor/counselor to determine the most optimal time to take required exams.