

## High School Barton Articulation Agreement

### **Definition of Articulation:**

Articulation is a systematic and seamless student transition process from secondary to postsecondary education that maximizes use of resources and minimizes duplication.

### **Definition of Articulation Agreement:**

A written commitment that is agreed upon at the state level and approved annually by the lead administrators of a secondary school and a college; designed to provide students with a non-duplicative sequence of progressive achievement leading to a technical skill proficiency, a credential, a certificate or a degree.

### **Goal of Articulation**

Students make a seamless transition from secondary to postsecondary education within a specific career pathway of study. If desired, the two-year postsecondary program is transferred to a four-year baccalaureate degree. This may lead to either a time-shortened program which saves on student tuition expenses or a skill-enhanced program where the student leaves with greater skill to offer the employer.

### **2012-2013 State-Wide Articulation Agreements**

- Barton's faculty evaluate competencies of high school courses offered in cluster/pathway
- Barton's faculty determine whether established minimum correlation can be found within one course or in paired or grouped courses offered in high school cluster/pathway
- The articulation agreement is sent to Kansas Department of Education personnel for review
- Once approved at state level, agreement is signed by Barton's President and KSDE Assistant Director of Academic and Technical Education
- Barton's high school partners are then notified of approved agreement
- Agreement reviewed annually

### **Attachments:**

- Sample State-Wide Articulation Agreement (Agriculture Science)
- Sample Design Template (Agriculture Science)
- Sample Program of Study (Agriculture Business Management)

**MEMORANDUM OF AGREEMENT**  
**Agriculture Business Management Degree OR**  
**Crop Protection Degree**

THIS ARTICULATION AGREEMENT is between any Kansas high school student who has successfully completed a state approved **Agriculture, Food & Natural Resources** Career Cluster and the **Agriculture Science**(01.9999)Pathway and **Barton Community College**, Great Bend, Kansas. It will provide students with a smooth transition from high school to a postsecondary program/degree in Agriculture Business Management or Crop Protection training. The intent of this cooperative effort is to provide the students with a non-duplicative program of study leading to enhanced employment opportunities.

NOW, THEREFORE, it is agreed by and between the parties as follows:

1. The secondary student will attain concentrator status through successful completion of his/her high school **Agriculture Science** (01.9999) Pathway sequence of courses.
2. Barton Community College will provide the courses listed on the attached program of Study/Course Sequence form
3. The *Associate of Applied Science* degree in *Agriculture Business Management OR Crop Protection studies* may be granted through the Barton Community College joint agreement. The awarding of such a degree is contingent upon the graduating high school's continuance of their KSDE approved Career Cluster Pathway.
4. Successful completion of the following **Agriculture, Food & Natural Resources** Career Cluster Pathway course(s) will result in the student being awarded college credit for the following equivalent course(s):

High School Courses	KS Course Code	College Courses	College Credit
Successful completion of: Exploratory Agriculture <b>OR</b> Introduction to Agriscience	68001 OR 18001	AGRI 1155 Agriculture Orientation	2
IN ADDITION TO		AGRI 1100 Agriculture in Our Society	3
Two (2) full credits of Technical level and Application Level courses			

5. Postsecondary Credit will be considered Advanced Placement Credit, and will be awarded upon student submission to the college of the student's high school transcript.
6. Details regarding credit awards and fees are outlined below:
  - a. College credit will only be awarded for a grade of "C" or better.
  - b. No fee will be assessed for the college credit awarded.
  - c. Student must declare either Agriculture Business Management or Crop Protection as their major area of interest.
  - d. College credits will be available for award after the student has successfully completed the next course in the sequence – *AGRI 1114 Plant Science*.
7. To receive an Associate of Applied Science Degree (AAS), students must complete a minimum of 64 hours of coursework, including 15 credit hours of related content as outlined in the program of study. Students must have a cumulative grade point average (GPA) of 2.0 or better to be eligible for an AAS Degree from Barton Community College.
8. The college and any high schools offering the approved Career Cluster Pathway may advertise the programs and will jointly advise the students that this option is available to them.
9. This agreement may be revised/modified as needed, or in the event of cancellation, discontinuance or disapproval of any course or program by the Kansas State Department of Education or the Kansas Board of Regents.
10. The college agrees to evaluate this program on an annual basis and in the context of student benefits, program efficiency, and effectiveness.
11. This agreement shall begin January 1, 2012.
12. This agreement is subject to change or cancellation by the Legislature at any time in accordance with Article 6, Section 5 of the Kansas Constitution.

IN WITNESS WHEREOF, the parties accept and approve THIS AGREEMENT.

\_\_\_\_\_  
**KSDE Representative**

\_\_\_\_\_  
**Date**

\_\_\_\_\_  
**Carl R. Heilman,**  
**Barton Community College President**

\_\_\_\_\_  
**Date**

# AGRICULTURE, FOOD & NATURAL RESOURCES CAREER CLUSTER DESIGN

## Agriculture Science Pathway – CIP Code 01.9999

### Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

### Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

### INTRODUCTORY LEVEL

Exploratory Agriculture	68001	1 credit
Intro to Agriculture or Intro to Agriscience	18001	1 credit

### TECHNICAL LEVEL

Agriscience	18002	1 credit			
Food Science	18305/22203	1 credit			
Animal Science	18101	1 credit	Horticulture or Horticulture I	18052	1 credit
Prin. of Ag. Science-Animal	18108	1 credit	Prin. of Ag. Science- Plant	18060	1 credit
Equine Science	18104	1 credit	Plant & Soil Science	18058	1 credit
Plant & Animal Science	18301	1 credit	Biotechnology in Agriculture	18308	1 credit
Energy Resources in Ag.	18507	.5 credit	* Accounting	12104	1 credit

### APPLICATION LEVEL

Food Science II	18310	1 credit	Small Animal Care	18102	1 credit
Agri. Communications	18205	1 credit	*Agribusiness	18201	1 credit
Research in Agri.	18206	1 credit	Adv. Plant & Animal Science	18311	1 credit
Internship	18048	1 credit	Advanced Internship	18049	1 credit
Supervised Ag. Exp	18050	1 credit	Animal Health/Vet. Science	18105	1 credit
Adv. Animal Science or Animal Science II	18107	1 credit			
Environmental Science & Natural Resources	18504	1 credit			
Environmental Resources & Wildlife Science	18506	1 credit			

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

<b>CLUSTER:</b>	Agriculture, Food & Natural Resources	(Name of ) High School USD (USD #)
<b>PATHWAY:</b>	Plant Systems or Agriculture Science	
<b>BARTON PROGRAM:</b>	Agriculture Business Management	

	GRADE	ENGLISH and COMMUNICATIONS	MATH	SCIENCE	SOCIAL STUDIES	Technical Courses	RECOMMENDED ELECTIVE COURSES
	<b>SECONDARY</b>						

<b>POSTSECONDARY</b>	Year 1 1st Semester		Technical Math OR College Algebra			Agriculture Orientation	
	Year 1 2nd Semester	Technical Communications OR English Comp I				Fundamentals of Animal Nutrition Farm Crop Production	Principles of Meat Evaluation Livestock Carcass Selection I and/or II Beef Cattle Production
	Year 2 1st Semester	Public Speaking				Economic Entomology Introduction to Soils/Lab	Choose 7 hours from Major Elective List (above)
	Year 2 2nd Semester					Farm/Bus Mgmt OR General Acct Principles of Agriculture Economics	Choose 9 hours from Major Elective List (above)



Updated: 01-2011

<b>Required Courses</b>
<b>Recommended Elective Courses</b>
<b>Career and Technical Education Courses</b>
<b>Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses, 2+2+2)</b>
<b>(◆=High School to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)</b>