MEMORANDUM OF AGREEMENT

Agriculture Business Management Degree OR

Crop Protection Degree or Certificate OR Beef Cattle Certificate

THIS ARTICULATION AGREEMENT is between any Kansas high school student who has successfully completed a state approved ***Agriculture, Food & Natural Resources*** Career Cluster through the ***Plant Systems*** (01.1101) Pathway OR the ***Animal Science*** (01.0901) 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, Crop Protection or Beef Cattle 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. To more clearly delineate the level of involvement Kansas secondary students have in CTE and to document technical skill attainment by students, three statewide categories have been created: Participants, Concentrators and Completers. This agreement pertains to those students who have reached Completer status, as follows:

   Completer – A student earning at least 3.0 credits of CTE courses in the same state-approved Pathway + earning an industry-recognized, comprehensive certification or passing a third-party, end-of-Pathway assessment; schools will report completers each year in the Pathways Authenticated Application (Perkins Accountability); schools will report industry recognized certificated and third-party, end of Pathway assessments each year in the KCAN Authenticated Application; **NOTE:** the 3.0 credits must include at least 2.0 credits that are a combination of technical and application level courses; **NOTE:** Technical skill measures for completers can be comprehensive, industry recognized certification OR third-party, comprehensive, end-of-pathway assessment.

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 Certificate in Crop Protection OR Certificate in Beef Cattle Production 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 **OR** Introduction to Agriscience IN ADDITION TO One-full credits of Technical level **and** One-full credit of Application Level course	68001 **OR** 18001	AGRI 1155 Agriculture Orientation	2

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 or Beef Cattle Production 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 August 1, 2018.

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	4-18-18 Date
Carl R. Heilman, Barton Community College President	4/5/18 Date

CLUSTER: Agriculture, Food & Natural Resources

PATHWAY: Plant Systems OR Agriculture Science

BARTON PROGRAM: Agriculture Business Management

(Name of) High School
USD (USD #)

	GRADE	ENGLISH and COMMUNICATIONS	MATH	SCIENCE	SOCIAL STUDIES	Required Career and Technical Courses	RECOMMENDED ELECTIVE COURSES
SECONDARY							
POSTSECONDARY	Year 1 1st Semester	Technical Communications OR English Comp I		Plant Science Principles of Biology OR Fund of Gen Chem		Agriculture Orientation Concepts for Agriculture	Economic Entomology Beef Cattle Production Range Management Occ Work Experience Crop Protection Fertilizer Management Horse Science Farm Machinery & Technology Beef Cattle Operations Intro to GPS Commercial Drivers License (3 hours the first semester)
	Year 1 2nd Semester		Technical Math OR College Algebra			Introduction to Soils/Lab General Accounting	Choose 6 hours from Major Elective List (above)
	Year 2 1st Semester	Public Speaking				Agriculture in Our Society Principles of Agriculture Ecomomics Principles of Animal Science	Choose 4 hours from Major Elective List (above)
	Year 2 2nd Semester					Computer Concepts and Applications Fundamentals of Animal Nutrition Farm Crop Production	Choose 6 hours from Major Elective List (above)

BARTON COMMUNITY COLLEGE

Updated: 08/2016

Required Courses

Recommended Elective Courses

Career and Technical Education Courses

Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses, 2+2+2)

(◆=High School to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)

CLUSTER: Agriculture, Food & Natural Resources

PATHWAY: Plant Systems or Agriculture Science

BARTON PROGRAM: Crop Protection

(Name of) High School
USD (USD #)

	GRADE	ENGLISH and COMMUNICATIONS	MATH	SCIENCE	SOCIAL STUDIES	Required Career and Technical Courses	RECOMMENDED ELECTIVE COURSES
SECONDARY							
POSTSECONDARY	Year 1 1st Semester	Technical Communications OR English Comp I		Plant Science		Agriculture Orientation Concepts for Agriculture	Economic Entomology Occupationsl Work Experience I Range Management Environ Sci + Lab Intro to GPS Commercial Drivers License Principles of Animal Science (3 hours first semester)
	Year 1 2nd Semester		Technical Math OR College Algebra			Introduction to Soils/Lab Gen Acct	Choose 6 hours from Major Elective List (above)
	Year 2 1st Semester	Public Speaking				Agriculture in Our Society Principles of Ag Economics Computer Concepts and Applications	Choose 4 hours from Major Elective List (above)
	Year 2 2nd Semester					Crop Protection Fertilizer Management Farm Crop Production	Choose 7 hours from Major Elective List (above)

BARTON COMMUNITY COLLEGE

Updated: 08-2016

Required Courses

Recommended Elective Courses

Career and Technical Education Courses

Credit-Based Transition Programs (e.g. Dual/Concurrent Enrollment, Articulated Courses, 2+2+2)

(◆=High School to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)

CLUSTER: Science, Technology, Engineering & Math (STEM)

PATHWAY: Plant Systems or Agriculture Science

BARTON PROGRAM: Beef Cattle Production (37 hour certificate)

(Name of) High School

USD (USD #)

	GRADE	ENGLISH and COMMUNICATIONS	MATH	SCIENCE	SOCIAL STUDIES	Required Career and Technical Courses	RECOMMENDED ELECTIVE COURSES
SECONDARY							
POSTSECONDARY	Year 1 1st Semester					Agriculture Orientation Concepts for Agriculture Principles of Animal Science Commercial Drivers License Plant Science Principles of Agriculture Economics	
	Year 1 2nd Semester					Fundamentals of Animal Nutrition Beef Cattle Production Farm Machinery and Technology Horse Science Range Management Beef Cattle Operations	
	Year 2 1st Semester						
	Year 2 2nd Semester						

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Updated: 08-2016

Required Courses

Recommended Elective Courses

Career and Technical Education Courses

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(◆=High School to Com. College) (●=Com. College to 4-Yr Institution) (■=Opportunity to test out)