



## AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN

# Animal Science Pathway

CIP CODE 01.0901

### APPROVED PATHWAY:

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

### INTRODUCTORY LEVEL

Title	Code	Credit
★● Introduction to Agriculture	18001	1
★● Exploratory Agriculture	68001	1

### TECHNICAL LEVEL

Title	Code	Credit
Agriscience	18002	1
* Animal Science	18101	1

### APPLICATION LEVEL

Title	Code	Credit
● Advanced Animal Science	18103	1
● Equine Science	18104	1
● Small Animal Care	18102	1
● Animal Health/Vet Tech	18105	1
Research in Agriculture	18206	1
Agricultural Entrepreneurship	18202	1
Agricultural Leadership and Communications	18203	1
Advanced Internship	18049	1
Agricultural Business	18201	1
Internship	18048	1

- ★ Required courses in pathway approval.
- Must choose **ONE** Application Level course for pathway approval.

**Pathway Design prior to Cluster Review**



# AGRICULTURE, FOOD AND NATURAL RESOURCES CAREER CLUSTER DESIGN

## Animal Science, Health, and Related Industries

### CIP CODE 01.0901

#### APPROVED PATHWAY:

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

#### INTRODUCTORY LEVEL

Title	Code	Credit
\$Agriculture Explorations I	68001	0.5
#\$Agriculture Explorations II	68002	0.5
\$Introduction to Agriculture	18001	1.0

#### TECHNICAL LEVEL

Title	Code	Credit
Agriscience	18002	1.0
*Animal Science	18101	1.0
Plant and Animal Science	18301	1.0
Agricultural Food Science	18305	1.0
Agricultural Biotechnology	18308	1.0

#### APPLICATION LEVEL

Title	Code	Credit
\$Small Animal Care	18102	1.0
#\$Advanced Animal Science	18103	1.0
\$Equine Science	18104	1.0
\$Animal Health	18105	1.0
Agricultural Internship	18048	1.0
Agribusiness Management	18201	1.0
Agricultural Entrepreneurship	18202	1.0
Agricultural Leadership and Communications	18203	1.0
Research in Agriculture	18206	1.0
#\$Advanced Plant and Animal Science	18302	1.0

## Proposed Pathway Design after Cluster Review

\* Required course.

# Has as specific prerequisite course.

\$ One of the courses marked \$ in this section is required.

# Pathway Recommendations Summary:

## General Changes to Pathway

- Recommended name change for pathway:
  - New Pathway name to reflect the diversity of Animal Science occupations in Kansas – as we are the center of the “Animal Health Corridor.”

## No Recommend Changes [CTE Course Competencies and Indicators \(ksde.org\)](https://ksde.org)

- Courses Reviewed with no changes.
  - 18048 Agricultural Internship (recommended name change from Ag Internship.)
  - 18102 Small Animal Care – Course reviewed but no changes to the competencies.
  - 18202 Agricultural Entrepreneurship.

## Courses Reviewed with Recommended Changes

- Courses being removed from the pathway.
  - 18049 Advanced Internship (More pathway specific options available.)
- Courses with updated competencies and benchmarks.
  - 68001 Agriculture Explorations I (recommended name change from Exploratory Agriculture) – competencies updated and revised as a .5 credit course. Will serve as prerequisite for new course 68002 Agriculture Explorations II .5 credit course.
  - 18001 Introduction to Agriculture – competencies updated and revised. Prerequisite option for lab courses in which safety is a concern.
  - 18002 Agriscience – competencies updated and revised. Prerequisite option for lab courses in which safety is a concern.
  - 18101 Animal Science – competencies updated and revised.
  - 18103 Advanced Animal Science – competencies updated and revised.
  - 18104 Equine Science – competencies updated and revised.
  - 18105 Animal Health (recommended name change from Animal Health/Vet Tech to eliminate confusion over “Vet Tech” programs) – competencies updated and revised.
  - 18201 Agribusiness Management (recommended name change from Agricultural Business) – competencies updated and revised.
  - 18203 Agricultural Leadership and Communications – competencies updated and revised.
  - 18206 Research in Agriculture – competencies updated and revised.

## New Course Recommendations

- Courses recommended to be added to this Pathway.
  - 68002 Agriculture Explorations II – Introductory course for middle grades, (prerequisite of 68001 required) .5 credit course.
  - 18301 Plant and Animal Science – competencies updated and revised.
  - 18302 Advanced Plant and Animal Science – competencies updated and revised. 18301 Plant and Animal Science prerequisite.

- 18305 Agricultural Food Science – competencies updated and revised.
- 18308 Agricultural Biotechnology (name change from Biotechnology in Agriculture) – Competencies reviewed with no changes.