

Nebraska Agriculture, Food and Natural Resources Programs of Study & Course Standards Outline

Students taking linked courses at the introductory, intermediate and capstone levels are considered a completer of a *Pathway-Level Program of Study*. Students may also complete a *Cluster-Level Program of Study* by taking all three courses indicated with **(C)** and one additional course indicated by a **(+)**. Standards, benchmarks and sample performance indicators are available for each course at www.neaged.org.

Introduction to
Agriculture, Food &
Natural Resources¹ **(C)**

Agribusiness **(+)**
011009

Animal Biology¹ **(C)**
011004

Agricultural Biology⁴
011003

Plant Science /
Horticulture¹ **(C)**
011007

Food Science¹ **(+)**
014000

Natural Resources **(+)**
013000

Environmental Science **(+)**
018049

Power, Structure & Technical
Systems Fundamentals **(+)**
016000

Welding³ **(+)**
016004

Economics & Agribusiness
Management 011010

Agricultural Sales &
Entrepreneurship **(+)**
011011

Leadership & Ethics in
Agriculture 017000

Companion Animals
011006

Large Animal Management
011005

Veterinary Science
011015

Equine Science
011014

Biotechnology^{1,2}
012004

Agronomic Science
011008

Plant Biology²
011016

Nursery & Landscape
012001

Floriculture
012002

Turf Management
012003

Advanced Food Science¹
014001

Advanced Natural
Resources 013002

Wildlife Management
013001

AP Environmental Science
018050

Power & Technology
016003

Structural Systems³
016002

Metals & Fabrication³
016005

Introductory Level

Intermediate Level

Capstone Level

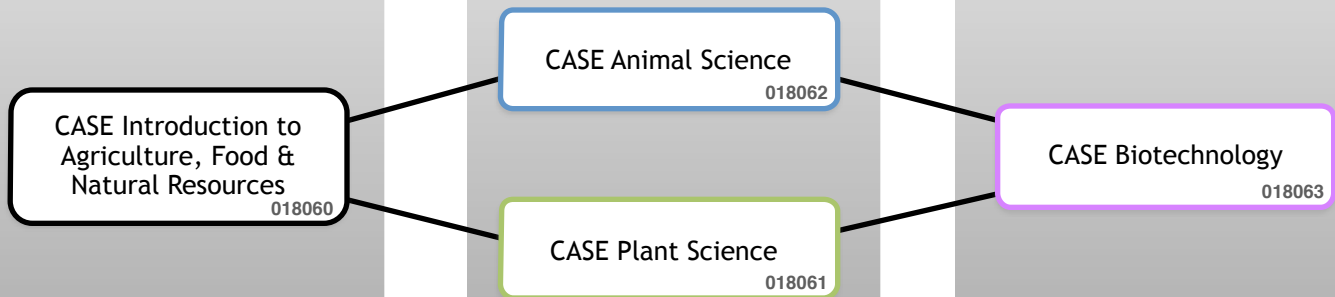
¹ Indicates that an equivalent CASE or FNS course is available; ² Online dual credit course available; ³ Alternative course available in other Career Cluster to fulfill POS; ⁴ Agricultural Biology is a year-long course that may substitute in place of high school biology with proper teacher endorsement and approval of the local school and can lead to any capstone connected to Animal Biology or Plant Science/Horticulture.

Nebraska Agriculture, Food and Natural Resources Specialized Programs of Study

CASE Program of Study

Curriculum for Agricultural Science Education

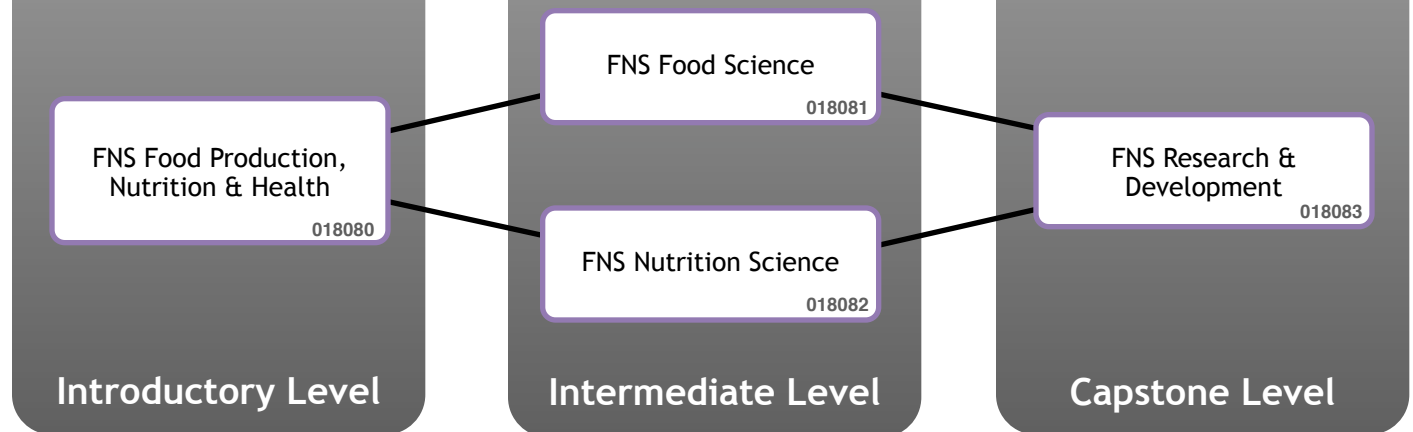
CASE is a national curriculum that is STEM-based with an emphasis on laboratory and hands-on experiences for students. Teachers are certified by completing 80 hours of intensive training for each course.



FNS Program of Study

Food and Nutrition Sciences

FNS is a project-based curriculum that is being developed by the Nebraska Department of Education in cooperation with the University of Nebraska-Lincoln and Kansas State University. Teachers receive specialized training in order to teach the each of the courses.



Agriculture, Food & Natural Resources Middle School Course

Careers & Literacy of
Agriculture

018002