

Agriculture, Food, and Natural Resources

Agriculture is a large, diverse, and vitally important industry in the US. It is high-tech, innovative, and always advancing.

Important topics include animal science, food production, plant biology and environmental management, and the business side of agriculture.

With Imagine Edgenuity®, students have access to a set of course sequence options mapped to three engaging national Career Pathways: Agricultural Biotechnology, Natural Resources, and Animal Systems. Students can also use the courses in these sequences to help them prepare for industry recognized certification exams. The broad set of CTE electives in this cluster provides multiple additional opportunities for students as they build the foundational knowledge and skills to prepare them for further study or career entry in jobs in this industry.



Entry level salary range:
\$23,500 - \$77,600**

A 2017 study found a link between taking CTE courses and higher wages, especially among students who took upper-level CTE courses.¹



Career Pathways	Agricultural Biotechnology	Career Pathways	Natural Resources	
Introductory Course	<input type="checkbox"/> Introduction to Agriculture, Food and Natural Resources*			
Concentrator Courses	<input type="checkbox"/> Agribusiness Systems* <input type="checkbox"/> Animal Systems*		<input type="checkbox"/> Veterinary Science: The Care of Animals* ^{eDL}	
	<input type="checkbox"/> Food Products and Processing Systems* <input type="checkbox"/> Plant Systems* <input type="checkbox"/> Power, Structural, and Technical Systems*			
Certification Exams	<input type="checkbox"/> Agriscience 1: Introduction to Agriscience* ^{eDL} <input type="checkbox"/> Agriscience 2A: Sustaining Human Life* ^{eDL} <input type="checkbox"/> Agriscience 2B: Sustaining Human Life* ^{eDL} <input type="checkbox"/> Biotechnology 1A: Unlocking Nature's Secrets* ^{eDL} <input type="checkbox"/> Biotechnology 1B: Unlocking Nature's Secrets* ^{eDL} <input type="checkbox"/> Forestry and Natural Resources* ^{eDL} <input type="checkbox"/> Principles of Agriculture, Food and Natural Resources* ^{eDL} <input type="checkbox"/> Renewable Technologies 1A* ^{eDL} <input type="checkbox"/> Renewable Technologies 1B* ^{eDL}			
	<i>NOCTI[®] Agricultural Biotechnology</i>	<i>NOCTI[®] Natural Resource Systems</i>	<i>NOCTI[®] Animal Systems</i>	

Rigorous, engaging, career-relevant course design

Imagine Edgenuity CTE courses introduce students to industries and careers focused on managing natural resource, agricultural, plant and animal systems, while providing opportunities for students to deepen their understanding of the course material by applying academic and technical skills to real-world tasks and learning experiences. Course content focuses on objectives directly related to relevant certification exams and incorporates current technologies and practices.

The career focus provides students with a sense of direction that motivates students to stay in school and achieve. Imagine Edgenuity’s CTE courses preparing students for work in these industries help students gain critical leadership, communication, teamwork, problem-solving, and interpersonal skills needed to succeed in the world outside of school. By providing a clear context for learning, Edgenuity ignites student interest and helps students make informed decisions about their future.



IMAGINE EDGENUITY’S AGRICULTURE, FOOD, AND NATURAL RESOURCES COURSES INCLUDE:

- Career-relevant hands-on projects
- Engaging direct-instruction videos
- Performance rubrics and exemplars to aid in instructor grading
- Contextual vocabulary support to help students with terms and phrases

Learn more at: [imaginelearning.com/CTE](https://www.imaginelearning.com/CTE)

**US Bureau of Labor Statistics

*semester course

^{eDL} Edgenuity offers a suite of eDynamic Learning electives on a subscription basis, allowing students to pursue a large range of interests in language arts, creative arts, STEM, and CTE. These electives are priced separately by enrollment.

¹ Kreisman, D., Stange, K. (2017). Vocational and Career Tech Education in American High Schools: The Value of Depth Over Breadth. Education Finance and Policy 0, 1-72.