



**What Is the Agriculture, Food and Natural Resources Career Cluster?**

This diverse Career Cluster prepares learners for careers in the planning, implementation, production, management, processing, and/or marketing of agricultural products and services, including food, fiber, wood products, natural resources, horticulture, and other plant & animal products. It also includes related professional, technical and educational services.

**Possible/Related Careers for the Agriculture, Food and Natural Resources Career Cluster**

There are over 70 careers related to the Agriculture, Food and Natural Resources Career Cluster, including but not limited to the following examples:

- Agricultural Educator
- Environmental Engineer
- Produce Buyer
- Botanist
- Farm Manager
- Recycling Technician
- Ecologist
- Fish and Game Officer
- Wildlife Manager
- Environmental Compliance Manager
- Park Manager
- Veterinarian

**Possible/Related Majors for the Agriculture, Food and Natural Resources Career Cluster**

There are an increasing number of college majors related to the Agriculture, Food and Natural Resources Career Cluster, and among the most common are:

- Agribusiness or Agricultural Business
- Food Science
- Natural Resource Economics
- Animal Sciences
- Forestry
- Parks, Recreation & Leisure Studies
- Environmental Sciences
- Landscaping & Groundskeeping
- Sustainability Studies

**Related OLCHS Co-Curricular Activities for the Agriculture, Food and Natural Resources Career Cluster**

OLCHS students are encouraged to participate in co-curricular activities. Some related to the Agriculture, Food and Natural Resources Career Cluster are:

- Fishing Team
- STEM Club

**Related Service Learning Sites for the Agriculture, Food and Natural Resources Career Cluster**

OLCHS students are required to earn service learning hours in order to graduate. Some volunteer sites related to the Agriculture, Food and Natural Resources Career Cluster are:

Name	Location
The Center Children’s Farm	12700 Southwest Highway, Palos Park
Cook County Forest Preserve	Various sites available
Lake Katherine Nature Preserve	7402 Lake Katherine Drive, Palos Heights
Little Red Schoolhouse	9800 South 104th Ave., Willow Springs
Oak Lawn Park District – Garden Club	Various sites available
Ronald McDonald House "Green Thumbs" Program	Ronald McDonald House near Advocate Children's Hospital 4410 W. 93rd St., Oak Lawn
The Village of Oak Lawn Forestry Department and Green Team	Village Hall, 9440 S. Raymond Ave., Oak Lawn

## **Aligned Elective Courses for the Agriculture, Food and Natural Resources Career Cluster**

Although required courses align with all 16 Career Clusters, students *must* take these courses in order to graduate from OLCHS. Therefore, they are not included below. Students are encouraged to customize their 4-year plan with specific courses, related prerequisite courses and related career information on Career Cruising.

*This guide is intended to provide general information related to career interest areas. It does not imply any guaranteed acceptance into a program of study. Students and families should carefully review post-secondary goals and entrance requirements for all post-secondary institutions of interest. Students and families are encouraged to use this as a supplemental guide during their planning.*

<b>Department and Elective Courses</b>	<b>9</b>	<b>10</b>	<b>11</b>	<b>12</b>
<b>Business</b>				
Entrepreneurship	X	X	X	X
Web Design	X	X	X	X
Accounting 1 or 1H		X	X	X
Accounting 2			X	X
<b>Family &amp; Consumer Sciences</b>				
Intro to Child Development & Culinary Arts	X	X		
Baking & Pastry	X	X	X	X
Culinary Arts 1	X	X	X	X
Culinary Arts 2	X	X	X	X
Advanced Culinary Arts		X	X	X
Culinary Management		X	X	X
Independent Study – Culinary Arts				X
<b>Foreign Language</b>				
French or French Honors	X	X	X	X
Spanish or Spanish Honors	X	X	X	X
Spanish for Heritage Speakers	X	X	X	X
<b>Industrial Technology</b>				
Automotive Essentials	X	X	X	X
Electricity and Electronics 1	X	X	X	X
Electricity and Electronics 2	X	X	X	X
PLTW: Intro to Engineering Design*	X	X	X	X
Woods 1	X	X	X	X
Woods 2	X	X	X	X
Automotive Maintenance & Light Repair		X	X	X
PLTW: Principles of Engineering*		X	X	X
Advanced Auto Technology			X	X
Advanced Woodworking			X	X
PLTW: Engineering Design & Development*			X	X
Independent Study: Woods				X
<b>Math</b>				
Transition to College Math				X
Pre-Calculus or Pre-Calculus Honors				X
AP Statistics*				X
AP Calculus*				X
<b>Science</b>				
Advanced Biology – Gene Technology & Forensic Science			X	X
Advanced Biology – Human Systems			X	X
Advanced Chemistry			X	X
Environmental Science			X	X
Zoology			X	X
AP Biology*			X	X
Advanced Physics				X
AP Physics C: Mechanics*				X
<b>Social Science</b>				
Geography	X	X	X	X
AP Human Geography	X	X	X	X
AP Microeconomics*			X	X
AP Macroeconomics*			X	X
Economics			X	X
International Relations			X	X
Law in American Society			X	X

\*The Federal Career Clusters framework recommends students enroll in Advanced Placement and/or Dual Credit courses when available and relevant.