

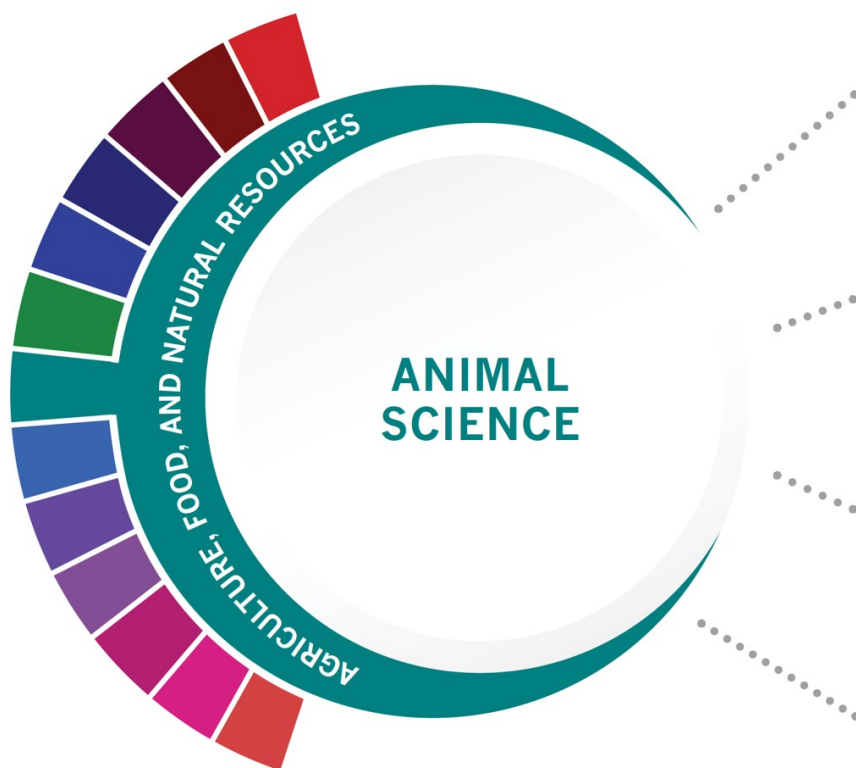
Courses

9th Principles of Agriculture, Food, and Natural Resources:
AG00201 AB OR AGH00201 AB

10th Small Animal Management T:
AG00402 T OR AGH00402 T
AND
Equine Science T:
AG00501 T OR AGH00501 T

11th Livestock Production^{1,2}:
AG00302 AB OR AGH00302 AB

12th Veterinary Medical Applications/Lab/d³:
AG00610 AB OR: AGH00610 AB
OR
Unpaid Practicum in Agriculture, Food, and Natural Resources/d:
AG02502 AB OR AGH02502 AB
OR
Paid Practicum in Agriculture, Food, and Natural Resources:
AG02512 AB OR AGH02512 AB
OR
Honors Project-Based Research:
CPH01500 AB



Enrichment Courses:

- **Floral Design:** AG01802 AB OR Honors: AGH01802 AB
- **Advanced Animal Science:** AG00702 AB OR Honors: AGH00702 AB
- **Wildlife, Fisheries and Ecology Management:** AG01501 AB OR Honors: AGH01501 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Feedyard Technician in Cattle Care and Handling²; Certified Veterinary Assistant; or Licensed Veterinary Technician³
- Not counted toward Performance Acknowledgment: OSHA 10-Hour Agriculture Industry Certification¹

Available at:

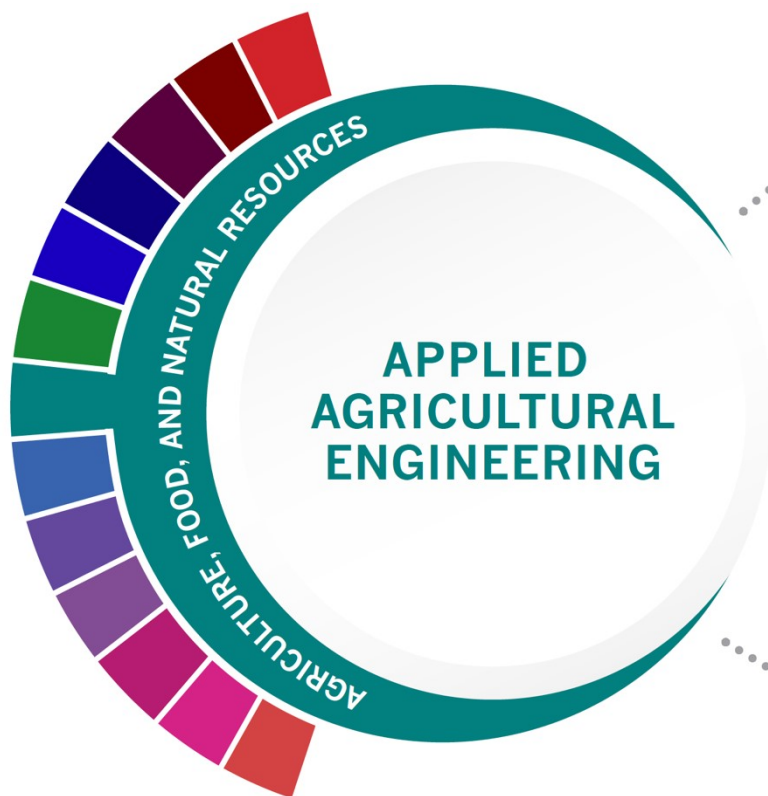
- Arlington Heights HS
- Diamond-Hill Jarvis HS

Animal Science program of study focuses on the science, research, and business of animals and other living organisms. It teaches students how to apply biology and life science to real-world life processes of animals and wildlife, either in laboratories or in the field, which could include a veterinary office, a farm or ranch, or any outdoor area harboring animal life. Students may also research and analyze the growth and destruction of species and research or diagnose diseases and injuries of animals.



The Agriculture, Food, and Natural Resources (AFNR) Career Cluster focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist.

Courses



9th Principles of Agriculture, Food, and Natural Resources:
AG00201 AB OR AGH00201 AB

10th Agricultural Mechanics and Metal Technologies¹:
AG00203 AB OR AGH00203 AB

11th Agricultural Structures Design and Fabrications/Lab/d²:
AG02310 AB OR AGH02310 AB

12th Agricultural Equipment Design and Fabrication/Lab/d:
AG02360 AB OR AGH02360 AB
OR
Unpaid Practicum in Agriculture, Food, and Natural Resources/d:
AG02502 AB OR AGH02502 AB
OR
Paid Practicum in Agriculture, Food, and Natural Resources:
AG02512 AB OR AGH02512 AB
OR
Honors Project-Based Research:
CPH01500 AB

Enrichment Courses:

- **Floral Design:** AG01802 AB OR AGH01802 AB
- **Wildlife, Fisheries and Ecology Management:** AG01501 AB OR AGH01501 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Feedyard Technician in Machinery, Operation, Repair and Maintenance²; AWS SENSE Welding Level 1; AWS D.1.1, or AWS D9.1 Certifications
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour Agriculture Industry Certification¹

Available at:

- Arlington Heights HS

The Applied Agricultural Engineering program of study explores the occupations and educational opportunities associated with applying knowledge of engineering technology and biological science to agricultural problems concerned with power and machinery, electrification, structures, soil and water conservation, and processing agricultural products. This program of study may also include exploration into diagnosing, repairing, or overhauling farm machinery and vehicles, such as tractors, harvesters, dairy equipment, and irrigation systems.



The Agriculture, Food, and Natural Resources (AFNR) Career Cluster® focuses on the essential elements of life—food, water, land, and air. This career cluster includes a diverse spectrum of occupations, ranging from farmer, rancher, and veterinarian to geologist, land conservationist, and florist. It also includes non-traditional agricultural occupations like wind energy, solar energy, and oil and gas production.



Courses

9th Principles of Arts, A/V Technology, and Communications:

AV08202 AB OR AVH08202 AB

10th Graphic Design and Illustration I¹:

AV08802 AB OR AVH08802 AB

11th Graphic Design and Illustration II²:

AV08810 AB OR AVH08810 AB

12th Unpaid Practicum in Graphic Design and Illustration/d:

AV09002 AB OR AVH09002 AB

Enrichment Courses:

- **Digital Media:** IT27802 AB OR ITH27802 AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Adobe Certified Associate¹ -Photoshop, Adobe Certified Associate - Illustrator, and Adobe Certified Associate – InDesign².
- Not counted towards Performance Acknowledgment: N/A

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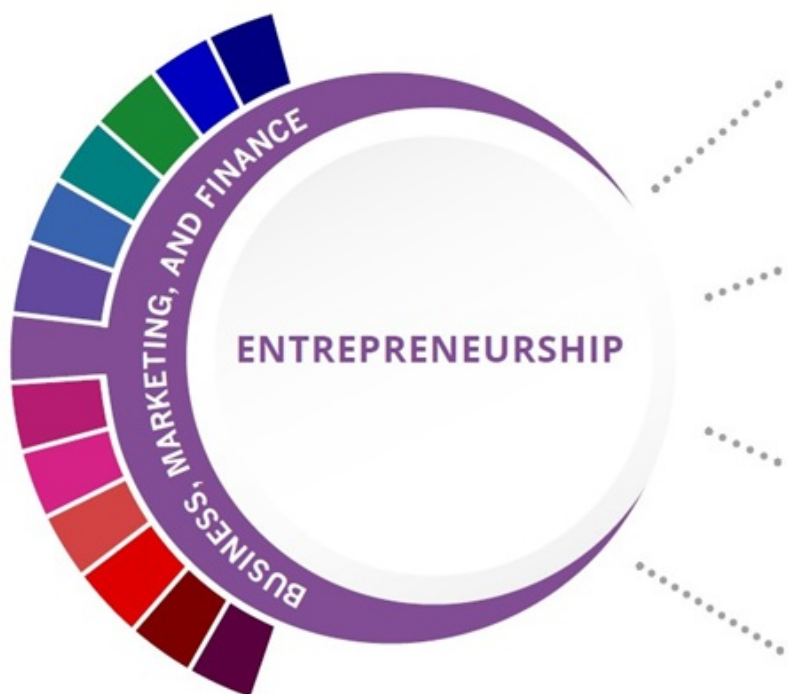
- | | | | |
|--------------------------|--------------------|------------------|-----------------------|
| • Arlington Heights HS | • Dunbar HS | • Paschal HS | • Western Hills HS |
| • Benbrook HS | • Eastern Hills HS | • Polytechnic HS | • Young Women's |
| • Carter Riverside HS | • North Side HS | • South Hills HS | Leadership Academy HS |
| • Diamond Hill-Jarvis HS | • OD Wyatt HS | • Southwest HS | |

The Design and Multimedia Arts program of study has 5 sub pathways. It explores the occupations and educational opportunities associated with designing or creating graphics to meet specific commercial or promotional needs, such as packaging, displays, or logos. This program of study may also include exploration into designing clothing and accessories, and creating special effects, animation, or other visual images using film, video, computers, or other electronic tools and media, for use in computer games, movies, music videos, and commercials.



The Arts, A/V Technology and Communications (AAVTC) Career Cluster® focuses on careers in designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services. Careers in the AAVTC Career Cluster require a creative aptitude, a strong background in computer and technology applications, a strong academic foundation, and a proficiency in oral and written communication.

Successful completion of the Graphic Design & Multimedia Arts program of study will fulfill requirements of a Business and Industry Endorsement. Approved Statewide Program of Study - September 2019.



Courses

9th	Business Information Management^{1,2}: BA11412 AB OR BAH11412 AB
10th	Entrepreneurship³: MK34401 AB OR MKH34401 AB
11th	Business Management: BA12102 AB OR BAH12102 OR Mobile Application Development: NEW Available 2022-2023 OR Entrepreneurship II: NEW Available 2022-2023
12th	Paid Practicum in Business Management⁴: BA12212 AB OR BAH12212 AB OR Unpaid Practicum in Business Management/d⁴: BA12202 AB OR BAH12202 AB OR Unpaid Practicum in Entrepreneurship/d⁴: MK34800 AB OR MKH34800 AB OR Honors Project-Based Research AB⁴: CPH01500AB

Enrichment Courses:

- **Accounting I:** FN16612AB OR FNH16612AB
- **Money Matters:** FN16201AB OR FNH16201AB

Certification Options:

- Industry Certification Opportunities for Performance Acknowledgment: Microsoft Office Specialist MOS)-Word & Excel¹, Microsoft Office Specialist (MOS)- Word & Excel Expert² and Entrepreneurship and Small Business (ESB) ³ Certifications
- Not Counted towards Performance Acknowledgment: OSHA 10-Hour General Industry Certification⁴

Available at:

- | | |
|--------------------------|-------------------------------------|
| • Arlington Heights HS | • Paschal HS |
| • Benbrook HS | • Polytechnic HS |
| • Carter-Riverside HS | • South Hills HS |
| • Diamond-Hill Jarvis HS | • Southwest HS |
| • Dunbar HS | • Trimble Technical HS |
| • Eastern Hills HS | • Western Hills |
| • North Side HS | • World Languages Institute HS |
| • OD Wyatt HS | • Young Men's Leadership Academy HS |

The Entrepreneurship program of study teaches CTE concentrators how to plan, direct, and coordinate the management and operations of public or private sector organizations. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, analyze management structures, and plan for the use of materials and human resources.



The Business, Marketing, and Finance Career Cluster® focuses on careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.

Successful completion of the Accounting & Financial Services program of study will fulfill requirements of the Business and Industry Endorsement. Approved Program of Study-September 2019.