

# Endorsements & Programs of Study



**GET STARTED**

# Explore each of the endorsements offered at HHS!

Business and Industry

Public Services

Arts and Humanities

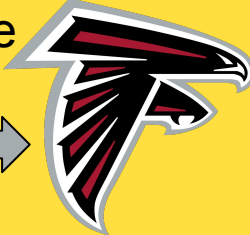
STEM

Multidisciplinary

**CCMR**

Earning a CCMR point is a graduation requirement. A CCMR badge will indicate whether or not a Program of Study can earn you a CCMR point.

Click the Falcon at any point to return to this page



# Business and Industry

Covers fields such as marketing, information technology, agriculture, architecture, and culinary arts.

Programs of Study within this endorsement are listed below. Click each one to explore!

[Agribusiness, Leadership, & Communications](#)

[Animal Science](#)

[Agricultural Technology & Mechanical Systems](#)

[Business Management](#)

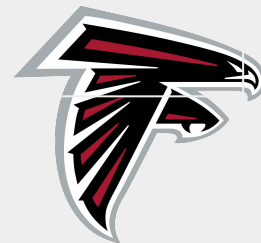
[Carpentry](#)

[Culinary Arts](#)

[Graphic Design and Interactive Media](#)

[Digital Communications](#)

[Environmental & Natural Resources](#)



## Public Services

Prepares students for careers in education, healthcare, and public administration.

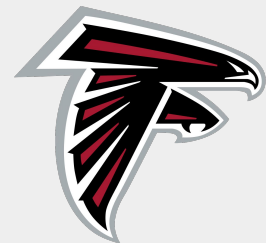
Programs of Study within this endorsement are listed below. Click each one to explore!

[Diagnostic and Therapeutic Services](#)

[JROTC](#)

[Law Enforcement](#)

[Teaching and Training](#)



# Arts and Humanities

Includes visual arts, music, theater, history, and world languages.

Programs of Study within this endorsement are listed below. Click each one to explore!

## Fine Arts

- [Art](#)
- [Band](#)
- [Choir](#)
- [Dance](#)
- [Theatre](#)
- [Social Studies](#)
- [World Language](#)



## STEM

Focuses on courses like robotics, computer science, and engineering principles.

Programs of Study within this endorsement are listed below. Click each one to explore!

[Drone](#)

[Mathematics](#)

[Science](#)



## Multidisciplinary

Allows students to take a broader mix of advanced courses across various subjects.

To graduate within this Program of Study, students must complete one of the following:

- Earn 4 credits in each core subject area
- Earn 4 credits in advanced placement (AP) or dual credit (DC) selected from English, Mathematics, Science, Social Studies, Economics, Languages other than English, or Fine Arts



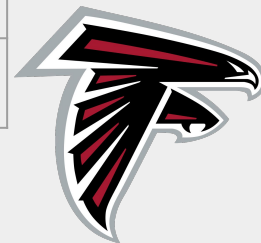
# Agribusiness, Leadership, & Communications

The Agriculture Business, Leadership, and Communications program of study focuses on occupational and educational opportunities associated with farming, and agriculturally related businesses that supply farm inputs, such as machinery and seeds. This program of study includes exploration of farm product marketing, the purchase of farm products either for processing or resale, and the process of grading or classifying unprocessed food or other agricultural products.

If you choose this Program of Study, you will take the following course each year:

|               |                                                                                                         |
|---------------|---------------------------------------------------------------------------------------------------------|
| Level 1       | Principles of Agriculture, Food, and Natural Resources                                                  |
| Level 2       | Professional Standards in Ag Business/Professional Communications                                       |
| Level 3       | Agricultural Leadership, Research & Communications <b><u>OR</u></b> Agribusiness Management & Marketing |
| Level 4       | Mathematical Applications in Agriculture, Food & Natural Resources                                      |
| Certification | None available                                                                                          |

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# Animal Science

The animal science pathway includes courses that cover topics relating to the small animal management industry, equine industry, veterinary practices, and livestock production. Instructional is designed to allow for the application of scientific and technological aspects of animal science through field and laboratory experiences. To prepare for careers in the field of animal science, students must attain academic skills and knowledge, acquire knowledge and skills related to animal systems, and develop knowledge and skills regarding career opportunities, entry requirements, and industry standards. To prepare for success, students need opportunities to learn, reinforce, apply, and transfer their knowledge and skills in a variety of settings.

If you choose this Program of Study, you will take the following course each year:



|                |                                                                                                                       |
|----------------|-----------------------------------------------------------------------------------------------------------------------|
| Level 1        | Principles of Agriculture, Food, and Natural Resources                                                                |
| Level 2        | Equine Science/Small Animal Management                                                                                |
| Level 3        | Veterinary Medical Applications <b><u>OR</u></b> Scientific Research & Design                                         |
| Level 4        | Advanced Animal Science                                                                                               |
| Certifications | Elanco Veterinary Medical Applications, Elanco Fundamentals of Animal Science, Certified Veterinary Assistant Level 1 |

# Agricultural Technology & Mechanical Systems

The Agricultural Technology & Mechanical Systems 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.

If you choose this Program of Study, you will take the following course each year:



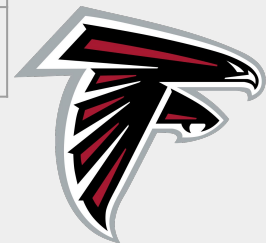
|                |                                                                                                                 |
|----------------|-----------------------------------------------------------------------------------------------------------------|
| Level 1        | Principles of Agriculture, Food, and Natural Resources                                                          |
| Level 2        | Agricultural Mechanics and Metal Technologies                                                                   |
| Level 3        | Agricultural Structures Design & Fabrication                                                                    |
| Level 4        | Agricultural Equipment Design and Fabrication                                                                   |
| Certifications | American Welding Society (AWS) D1.1 Structural Steel<br>American Welding Society (AWS) D9.1 Sheet Metal Welding |

# Business Management

The Business Management program of study teaches CTE learners how to plan, direct, and coordinate the administrative services and operations of an organization. Through this program of study, students will learn the skills necessary to formulate policies, manage daily operations, and allocate the use of materials and human resources. This program of study will also introduce students to mathematical modeling tools and organization evaluation methods.

If you choose this Program of Study, you will take the following course each year:

|                |                                             |
|----------------|---------------------------------------------|
| Level 1        | Principles of Business, Marketing & Finance |
| Level 2        | Business Law                                |
| Level 3        | Business Management                         |
| Level 4        | Global Business and Virtual Business        |
| Certifications | None available                              |



# Carpentry

The Carpentry program of study explores the occupations and educational opportunities related to constructing, installing, or repairing structures and fixtures made of wood, such as concrete forms (including frameworks, partitions, joists, studding, rafters, and stairways). This program of study may also include exploration into installing, dismantling, or moving machinery and heavy equipment according to layout plants, blueprints, or other drawings.

If you choose this Program of Study, you will take the following course each year:

|               |                                                  |
|---------------|--------------------------------------------------|
| Level 1       | Principles of Architecture & Construction        |
| Level 2       | Construction Technology I (2 periods)            |
| Level 3       | Construction Technology II (2 periods)           |
| Level 4       | Practicum in Construction Technology (2 periods) |
| Certification | None available                                   |



# Culinary Arts

The program offers students an introduction into the foodservice industry. Through theory, practical and hands on learning, the program is designed to provide students with the basic skills and knowledge to prepare them for successful careers in the world of food. Students will progress through a program that includes hands-on education in food production, while developing professionalism and proficiency in cooking, baking, cost control, nutrition, sanitation, and food marketing. Students will obtain the ServSafe® Food Handlers certification through the National Restaurant Association (NRA) and are encouraged to obtain the ServSafe® Food Protection Manager certification. Upon completion of the program, students will have the knowledge, professionalism, and skills to succeed in the food service industry. Whether it is to further their education, work their way through college, or go right out into the workforce, students will always have the knowledge and skills of a successful profession that is growing each and every year.

If you choose this Program of Study, you will take the following course each year:



|               |                                        |
|---------------|----------------------------------------|
| Level 1       | Principles of Hospitality              |
| Level 2       | Introduction to Culinary Arts          |
| Level 3       | Culinary Arts (2 periods)              |
| Level 4       | Practicum in Culinary Arts (2 periods) |
| Certification | ServSafe Manager                       |

# Graphic Design & Interactive Media

The Graphic Design and Interactive Media program of study 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.

If you choose this Program of Study, you will take the following course each year:

|               |                                                       |
|---------------|-------------------------------------------------------|
| Level 1       | Principles of Art, A/V, Technology and Communications |
| Level 2       | Digital Media                                         |
| Level 3       | Graphics Design I                                     |
| Level 4       | Graphics Design II                                    |
| Certification | None available                                        |



# Digital Communications

The Digital Communications program of study explores the occupations and educational opportunities associated with the production of audio and visual media formats for various purposes, such as TV broadcasts, advertising, video production, or motion pictures. This program of study may also include exploration into operating machines and equipment to record sound and images, such as microphones, sound speakers, video screens, projectors, video monitors, sound and mixing boards, and related electronic equipment.

If you choose this Program of Study, you will take the following course each year:

|               |                                                       |
|---------------|-------------------------------------------------------|
| Level 1       | Principles of Art, A/V, Technology and Communications |
| Level 2       | Audio Video Production                                |
| Level 3       | Digital Audio Technology I                            |
| Level 4       | Digital Audio Technology II                           |
| Certification | None available                                        |



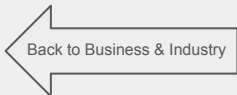
# Environmental & Natural Resources

The Environmental and Natural Resources program of study focuses on occupational and educational opportunities associated with the research, design, and engineering of plans for prevention and control of environmental hazards. This program of study includes conducting research for the purpose of identifying, abating, or eliminating sources of pollutants or hazards that affect either the environment or the health of the population.

If you choose this Program of Study, you will take the following course each year:



|               |                                                           |
|---------------|-----------------------------------------------------------|
| Level 1       | Principles of Agriculture, Food & Natural Resources       |
| Level 2       | Wildlife, Fisheries, & Ecology Management                 |
| Level 3       | Forestry & Woodland Ecosystems                            |
| Level 4       | Range Ecology & Management / Scientific Research & Design |
| Certification | Ducks Unlimited Ecology Conservation and Management       |



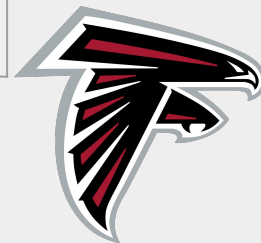
# Diagnostic & Therapeutic Services

The Diagnostic and Therapeutic Services program of study introduces students to occupations and education opportunities related to performing complex medical laboratory tests for the diagnosis, treatment, and prevention of disease. This program of study may also include exploration into the opportunities associated with blood laboratories as well as radiologic technology and ultrasound technology.

If you choose this Program of Study, you will take the following course each year:

This program begins your sophomore year.

|                |                                                                                                   |
|----------------|---------------------------------------------------------------------------------------------------|
| Level 1        | Principles of Health Science                                                                      |
| Level 2        | Health Science Theory (1 period)<br><b><u>OR</u></b> Health Science Theory & Clinical (2 periods) |
| Level 3        | Practicum in Health Science (2 periods)                                                           |
| Certifications | Certified Phlebotomy Technician<br>Certified EKG Technician                                       |



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# JROTC

The U.S. Army Junior Reserve Officers' Training Corps (JROTC) is one of the largest character development and citizenship programs for youth in the world. JROTC curriculum provides equitable and challenging academic content and authentic learning experiences for all Cadets. All lessons are designed using a four part model to motivate the Cadet, allow the Cadet to learn new information, practice competency, and apply the competency to a real-life situation. Moreover, the four part model requires Cadets to collaborate, reflect, develop critical thinking skills, and integrate content with other disciplines. JROTC curriculum includes lessons in leadership, health and wellness, physical fitness, first-aid, geography, American history and government, communications, and emotional intelligence.

If you choose this Program of Study, you will take the following course each year:

|               |                                      |
|---------------|--------------------------------------|
| Level 1       | JROTC I<br>*Counts as PE credit also |
| Level 2       | JROTC II                             |
| Level 3       | JROTC III                            |
| Level 4       | JROTC IV                             |
| Certification | None available                       |

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# Law Enforcement

The Law Enforcement program of study teaches CTE learners about the development of, adherence to, and protection of various branches of law. Students will learn how to appropriately and legally respond to breaches in the law according to statutory rules and regulations as well as investigate how and why the breaches occurred.

If you choose this Program of Study, you will take the following course each year:



|               |                                                          |
|---------------|----------------------------------------------------------|
| Level 1       | Principles of Law, Public Safety, Corrections & Security |
| Level 2       | Law Enforcement I                                        |
| Level 3       | Law Enforcement II                                       |
| Level 4       | Forensic Science                                         |
| Certification | IAED Emergency Telecommunicator                          |

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# Teaching & Training

The Teaching & Training program of study prepares CTE learners for careers related to teaching, instruction, and creation of instructional and enrichment materials. The program of study introduces CTE learners to a wide variety of student groups and their corresponding needs. It familiarizes them with the processes for developing curriculum, coordinating educational content, and coaching groups, and individuals.

If you choose this Program of Study, you will take the following course each year:



|               |                                                 |
|---------------|-------------------------------------------------|
| Level 1       | Principles of Education & Training              |
| Level 2       | Child Development                               |
| Level 3       | Instructional Practices (2 periods)             |
| Level 4       | Practicum in Education and Training (2 periods) |
| Certification | Educational Aide I                              |

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# Art

In the Art program of study, students have the opportunity to learn about elements of design and principles of art. The advanced levels of art are designed for those that may want to choose art as a career have a specialized focus in either ceramics or studio art. Students must meet prerequisites for advanced level courses.

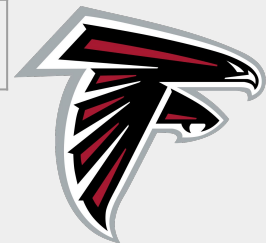
If you choose this Program of Study, you will take the following course each year:

## 4 credits of Art

|         |                                    |                                                |
|---------|------------------------------------|------------------------------------------------|
| Level 1 | Art I                              | AP Studio Art: Drawing or 2-D Design Portfolio |
| Level 2 | Art II <u>OR</u> Art II Ceramics   | AP Studio Art: Drawing or 2-D Design Portfolio |
| Level 3 | Art III <u>OR</u> Art III Ceramics | AP Studio Art: Drawing or 2-D Design Portfolio |
| Level 4 | Art IV <u>OR</u> Art IV Ceramics   | AP Studio Art 3D Portfolio                     |

No certifications available

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# Band

This program is designed to give the student an enriching and diverse instrumental music education. Band provides a number of performance opportunities for the student in a variety of settings. The daily objective of the course is to foster and promote musical growth through the playing of an instrument by the student.

If you choose this Program of Study, you will take the following course each year:

## 4 credits of Band

|         |                                                             |                   |
|---------|-------------------------------------------------------------|-------------------|
| Level 1 | Marching Band I<br><small>*Counts as PE credit also</small> | Jazz Ensemble I   |
| Level 2 | Band II                                                     | Jazz Ensemble II  |
| Level 3 | Band III                                                    | Jazz Ensemble III |
| Level 4 | Band IV                                                     | Jazz Ensemble IV  |

No certifications available

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# Choir

High School Choir is a course of study which develops musical concepts and skills related to choral music. No previous experience is required, however advanced choirs exist to continue to develop the students who wish to compete and perform on a regular occasion. Instructional priorities include musicianship, critical listening, cultural growth, basic music theory, creative self-expression, rehearsal and concert etiquette, self-discipline, and production of quality products. A variety of musical styles are performed. Individual, small, and large ensemble concepts and skills are emphasized through TMEA All-State and UIL Events. Three or more levels of performing vocal ensembles are offered. Participation in a performing group offers the students the opportunity to experience a high level of teamwork, develop a high degree of personal responsibility, and acquire leadership skills.

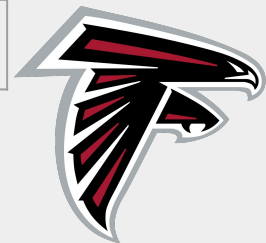
If you choose this Program of Study, you will take the following course each year:

## 4 credits of Choir

|         |                   |                      |                |
|---------|-------------------|----------------------|----------------|
| Level 1 | Concert Choir I   | A Cappella Choir I   | Show Choir I   |
| Level 2 | Concert Choir II  | A Cappella Choir II  | Show Choir II  |
| Level 3 | Concert Choir III | A Cappella Choir III | Show Choir III |
| Level 4 | Concert Choir IV  | A Cappella Choir IV  | Show Choir IV  |

No certifications available

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# Dance

The dance program will teach students the fundamentals techniques and vocabulary in many styles of dance. The students will also cover dance history and explore basic choreography. Emphasis will be placed on technique, movement skills, knowledge, history, and aesthetics of each dance style, while also learning components of health-related fitness. The dance class strives to promote a lifelong interest in both dance and physical fitness.

If you choose this Program of Study, you will take the following course each year:

## 4 credits of Dance

|         |                                                                        |                                                                   |
|---------|------------------------------------------------------------------------|-------------------------------------------------------------------|
| Level 1 | Dance Team – Falconettes I<br><small>*Counts as PE credit also</small> | Principles of Dance I<br><small>*Counts as PE credit also</small> |
| Level 2 | Dance Team – Falconettes II                                            | Principles of Dance II                                            |
| Level 3 | Dance Team – Falconettes III                                           | Principles of Dance III                                           |
| Level 4 | Dance Team – Falconettes IV                                            | Principles of Dance IV                                            |

No certifications available

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# Theatre

The student develops concepts about self, human relationships, and the environment using elements of drama and conventions of theatre. The student interprets characters using the voice and body expressively and create dramatizations. The student applies design, directing, and theatre production concepts and skills.

If you choose this Program of Study, you will take the following course each year:

## 4 credits of Theatre

|         |                  |                       |
|---------|------------------|-----------------------|
| Level 1 | Theatre Arts I   | Technical Theatre I   |
| Level 2 | Theatre Arts II  | Technical Theatre II  |
| Level 3 | Theatre Arts III | Technical Theatre III |
| Level 4 | Theatre Arts IV  | Technical Theatre IV  |

No certifications available

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# Social Studies

The social studies program of study focuses on learning to understand people, their various interactions, and the human experience. The social studies endorsement can prepare students for a wide range of career opportunities, allowing your career options to be more flexible. Possible careers in this area of study are varied, and include, but are not limited to education, law and legal professions, research and institutional analysis, historian, librarian, archivist, curator, government and political professions, marketing, business administration, management, economist, financial analyst, public relations specialist, human resources, psychologist and other mental health services, social worker, geographer, urban and regional planning, environmental consulting, and forestry/pipeline management.

If you choose this Program of Study, you will take the following course each year:

## 5 credits of Social Studies

|         |                                    |            |
|---------|------------------------------------|------------|
| Level 1 | World Geography/AP Human Geography |            |
| Level 2 | World History                      |            |
| Level 3 | US History                         |            |
| Level 4 | Economics & Government             | Psychology |

No certifications available

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# World Language

World Language curriculum and instruction provides each student with the knowledge and skills necessary to become life-long language learners and to acquire a level of proficiency in a world language. This is accomplished by immersing the student in another language and culture; by equipping them with strategies necessary to be able to communicate in another language; and with the ability to value and understand other cultures.

If you choose this Program of Study, you will take the following course each year:

| 4 credits of World Language |            |                     |
|-----------------------------|------------|---------------------|
| Level 1                     | Spanish I  | Computer Science I  |
| Level 2                     | Spanish II | Computer Science II |

No certifications available

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# Drone (Unmanned Vehicle)

In Science, Technology, Engineering and Mathematics, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems. The study of technology allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. In addition to their general academic and technical knowledge and skills, students gain an understanding of career opportunities available in technology and what employers require for workers to gain and maintain employment in the 21st century.

If you choose this Program of Study, you will take the following course each year:

You must also complete Algebra II, Chemistry, and Physics in this program.



|               |                                      |
|---------------|--------------------------------------|
| Level 1       | Introduction to Aviation & Aerospace |
| Level 2       | Robotics I                           |
| Level 3       | Robotics II                          |
| Level 4       | Scientific Research and Design       |
| Certification | FAA Part 107 Remote Drone Pilot      |

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# Mathematics

In Science, Technology, Engineering and Mathematics, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems. The study of technology allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. In addition to their general academic and technical knowledge and skills, students gain an understanding of career opportunities available in technology and what employers require for workers to gain and maintain employment in the 21st century.

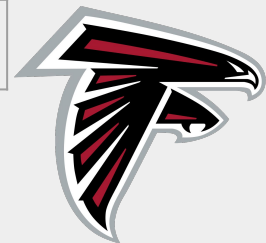
If you choose this Program of Study, you will take the following course each year:

You must also complete Chemistry and Physics in this program.

|         |                                                             |
|---------|-------------------------------------------------------------|
| Level 1 | Algebra I                                                   |
| Level 2 | Geometry                                                    |
| Level 3 | Algebra II                                                  |
| Level 4 | Pre-Calculus                                                |
| Other   | 2 additional math courses with Algebra II as a prerequisite |

No certifications available

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# Science

In Science, Technology, Engineering and Mathematics, students gain knowledge and skills in the application, design, production, and assessment of products, services, and systems. The study of technology allows students to reinforce, apply, and transfer their academic knowledge and skills to a variety of interesting and relevant activities, problems, and settings. In addition to their general academic and technical knowledge and skills, students gain an understanding of career opportunities available in technology and what employers require for workers to gain and maintain employment in the 21st century.

If you choose this Program of Study, you will take the following course each year:

You must also complete Algebra II in this program.

|         |                                      |
|---------|--------------------------------------|
| Level 1 | Integrated Physics & Chemistry (IPC) |
| Level 2 | Biology                              |
| Level 3 | Chemistry                            |
| Level 4 | Physics                              |
| Other   | 2 additional science courses         |

No certifications available

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