

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

ATHENS DRIVE MAGNET HIGH SCHOOL

2024-2025

## AGRICULTURE EDUCATION

AU102X0	AGRISCIENCE APPLICATIONS
AA212X0	ANIMAL SCIENCE 1(H) <b><u>(PREREQ AGRISCIENCE)</u></b>
AA225X0	ANIMAL SCIENCE 2 (H) <b><u>(PREREQ AS1)</u></b>
AA415X0	VET ASSISTING (H) <b><u>(PREREQ AS2, Jr/Sr Year)</u></b>
AU212X0	SUSTAINABLE AG. PRODUCTION 1 <b><u>(PREREQ AGRISCIENCE)</u></b>
AU225X0	SUSTAINABLE AG. PRODUCTION 2 (H) <b><u>(PREREQ SUSTAINABLE 1)</u></b>

## BUSINESS, FINANCE, & MARKETING EDUCATION

BF102X0	BUSINESS ESSENTIALS
BB402X0	BUSINESS MANAGEMENT <b><u>(PREREQ POB)</u></b>
BM205X0	MICROSOFT EXCEL (H)
CS115X0	PROJECT MANAGEMENT I (H)
CS122X0	PROJECT MANAGEMENT 2 <b><u>(PREREQ PM1)</u></b>
ME115X0	ENTREPRENEURSHIP I (H)
ME125X0	ENTREPRENEURSHIP 2 (H) <b><u>(PREREQ ENTRE. 1)</u></b>
MH31X0	SPORTS AND ENTERTAINMENT MARKETING
MI212X0	FASHION MERCHANDISING
MM51X0	MARKETING
MA52X0	MARKETING APPLICATIONS <b><u>(PREREQ MARKETING)</u></b>

## COMPUTER SCIENCE & IT EDUCATION

0A02X0	AP COMP SCI PRINCIPLES
2A027X0	AP COMPUTER SCIENCE <b><u>(PREREQ COMP SCI PRINCIPLES)</u></b>
BP142X0	PYTHON PROGRAMMING 1
BP122X0	PYTHON PROGRAMMING 2 <b><u>(PREREQ PYTHON 1)</u></b>
II415X0	ADOBE VISUAL DESIGN 1 (H)
II425X0	ADOBE VISUAL DESIGN 2 (H)
10312X0AF/AS	YEARBOOK 1
10325X0DF/DS	YEARBOOK 2 <b><u>BLOCK REGISTER YEARBOOK COURSES (FALL, SPRING)</u></b>

## EXTRAS

CS975X0B	CTE INTERNSHIP (SEE MS. CARLTON or Ms. HULSEY)
CS952X0J	CTE ADV. STUDIES (honors options available)
96102X0F1	PROJECT INVENT (10 <sup>th</sup> - 12 <sup>th</sup> GRADE)

## FAMILY & CONSUMER SCIENCE EDUCATION

FA312X0	APPAREL AND TEXTILE PRODUCTION I
FA325X0	APPAREL AND TEXTILE PROD. 2 (H) <b><u>(PREREQ APPAREL 1)</u></b>
FE602X0	PARENTING & CHILD DEVELOPMENT
FE112X0	EARLY CHILDHOOD ED. I (MUST BE 16) <b><u>(PREREQ P&amp;C and application)</u></b>
FN412X0	FOODS I (10 <sup>th</sup> - 12 <sup>th</sup> GRADE)
FN425X0	FOODS 2—ENTERPRISE (H) (PREREQ FOODS 1)
FIS12X0	INTERIOR DESIGN FUNDAMENTALS
FIS22X0	INTERIOR DESIGN STUDIO (H) (PREREQ INTERIOR FUNDAMENTALS)

## HEALTH SCIENCE EDUCATION

IP212X0	EMERGENCY MEDICAL TECHNOLOGY I (H) <b><u>(17 YEARS OLD, SENIORS)</u></b>
IP225X0	EMERGENCY MEDICAL TECHNOLOGY 2 (H) <b><u>(PREREQ EMT 1, MUST be a senior)</u></b>
HB115X0	BIOMEDICAL TECHNOLOGY (H) <b><u>(10<sup>th</sup>- 12<sup>th</sup> GRADE)</u></b>
HU102X0	FOUNDATIONS OF HEALTH SCIENCE
HU405X0	HEALTH SCIENCE I (H) <b><u>(PREREQ FOUND.HEALTH)</u></b>
HU425X0	HEALTH SCIENCE 2 (H) <b><u>(PREREQ HEALTH SCI 1)</u></b>
HH325X0	PHARMACY TECHNICIAN (H) <b><u>(PREREQ HEALTH SCI 2. LIMITED TO SENIORS)</u></b>

## TRADE, INDUSTRY, & TECHNOLOGY EDUCATION

IC002X0	CONSTRUCTION CORE
IC212X0	CARPENTRY 1 <b><u>(PRE REQ CONST. CORE)</u></b>
IC222X0	CARPENTRY 2 (H) <b><u>(PREREQ CARPENTRY 1)</u></b>
IC612X0	DRAFTING 1 (9-11 GRADE)
IC625X0	DRAFTING 2 ARCHITECTURAL (H) <b><u>(PREREQ DRAFT 1)</u></b>
IC635X0	DRAFTING 3 ARCHITECTURAL (H) <b><u>(PREREQ DRAFT 2)</u></b>
IK662X0	FILM, TELEVISION, VIDEO PRODUCTION 1
IK675X0	FILM, TELEVISION, VIDEO PRODUCTION 2 (H)
IP112X0	PUBLIC SAFETY I
IP122X0	PUBLIC SAFETY 2 (H) <b><u>(PREREQ PUB SAFETY 1)</u></b>

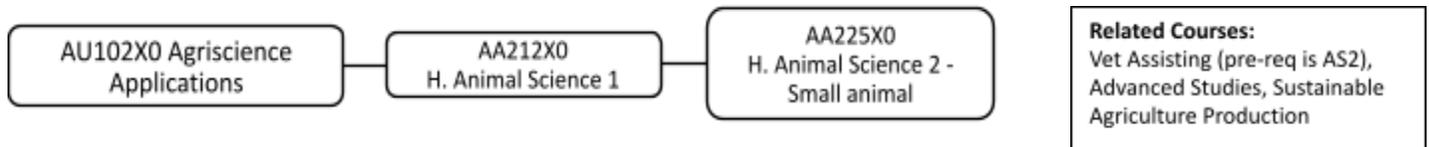
# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

## ATHENS DRIVE MAGNET HIGH SCHOOL

### 2024-2025

### AGRICULTURE EDUCATION

## ANIMAL SCIENCE PATHWAY



**Track Description:** The pathway begins in agriscience which looks at the production and evaluation of agricultural products. Students work with various animals ranging from small livestock to traditional small animals and apply their knowledge in real-world experiences. There is a large anatomy and physiology component of the classes as one progresses through the track which is taught in conjunction with identifying various diseases animals can contract. Social issues are also a hot topic discussed in the curriculum. This class is active, note-taking is kept at a minimum.

*\*\*Students in these courses have a 20-hour experience-based project (Supervised Agriculture Experience)*

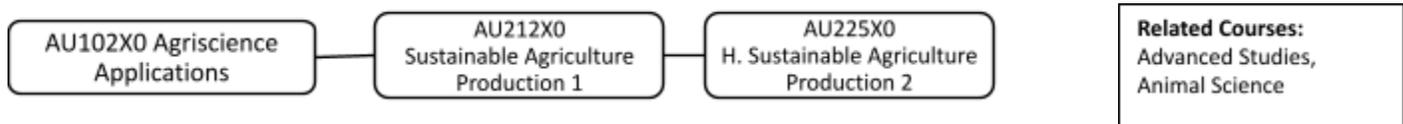
**After Completing this Track:** Students should be comfortable working with animals, they will connect their core class learning within this curriculum and use that knowledge with practical application. From here, students can move into the Vet Assisting class if interested in applying this knowledge specifically to veterinary practice.

**Careers Correlating:** Veterinarian, Veterinary Assistant, Veterinary Technician, Lab Technician, Extension Agent, Agriculture Teacher, Animal Nutritionist, Small Scale Producer, Zoologist, Boarder, Farm Hand, Microbiologist, etc.

### Advanced Courses Available within Ag:

**AA415X0 H. Vet Assisting**– Students will apply knowledge learned throughout animal science courses through real-world application. Students will work within real vet offices. Certified Vet Assistant is available - Students should understand that to earn this credential, they MUST work 300 hours with a DVM or Certified Veterinary Technician, this can be completed through an extra internship class. *\*Class is limited and Health Science Academy Students and Seniors will be given priority.* **\*Pre-req for this course is Animal Science 2.**

## SUSTAINABLE AGRICULTURE PATHWAY



**Track Description:** The pathway begins in agriscience which looks at the production and evaluation of agricultural products. Students will gain hands on experience in this class by working with small livestock animals, Well-Fed Garden and small gardens on campus, and develop plans for food waste. Students learn about the importance of soil and water conservation while understanding crop production and specialty practices (like bee keeping, mushroom production, hydroponic production, etc). *\*\*Students in these courses have a 20-hour experience-based project (Supervised Agriculture Experience)*

**After Completing this Track:** Students should understand small scale ag production and how it applies to environmental issues. Students should be able to make informed decisions regarding food production and understand agricultural policies.

**Careers Correlating:** Small production farmer, Ag Educator, Extension Agent, Biologist, Sociologist, Economist, Soil and water conservationist, Large animal veterinarian, Politician, etc.

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

## ATHENS DRIVE MAGNET HIGH SCHOOL

### 2024-2025

#### BUSINESS FINANCE & MARKETING EDUCATION

### ENTREPRENEURSHIP PATHWAY

ME115X0 H. Entrepreneurship 1

ME125X0 H. Entrepreneurship 2

#### Related Courses:

Project Management, Business Essentials, Marketing, Advanced Studies

**Track Description:** When moving through this pathway students explore how to develop and operate a small business. The main emphasis is on exploring ideas of new/improved products or services, research, business financing, marketing strategies, understanding business regulations and risk management.

**After Completing this Track:** Students will have a basic understanding of how to start their own business, prepare financial statements, and plan for business ownership. Students will develop new business ventures.

**Careers Correlating:** Business owner, manager business consultant, teacher, research and development, sales, non-profit, etc.

### GENERAL MANAGEMENT

BF102X0 Business Essentials

BM105X0 Business Management 1

#### Related Courses:

Advanced Studies, Microsoft Classes

**Track Description:** After learning the basics of operating a business and how businesses function students will advance into understanding the larger management process. The experience includes how managers plan, organize, staff, and direct the business's resources that enhance the effectiveness of the decision-making process. Also, the experience includes students working through ethical dilemmas and problem-solving situations with customer service

**After Completing this Track:** Students will have a basic understanding of how to invest money and the stock market. They will understand buying insurance and purchasing property.

**Careers Correlating:** Credit Analyst, Investment Banker, Certified Financial Planner, Hedge Fund Manager, etc.

### MARKETING PATHWAY

MI212X0 Fashion Merchandising

MM51 Marketing

MA52X0  
Marketing Applications  
*(to be offered Fall 2023)*

#### Related Courses:

Entrepreneurship, Apparel, Project Management, Adobe Visual Design, Advanced Studies

**Track Description:** In Marketing, Students develop an understanding and skills in the areas of distribution, marketing-information management, market planning, pricing, product/service management, promotion, and selling. More specifically, Fashion Merchandising is designed to simulate a comprehensive experience of the business of fashion. The experience should bring alive the economics, distribution, promotion, and

retail of fashion, and essential strategies of promoting and selling fashion. Students apply these concepts as they move into the Applications course.

**After Completing this Track:** Students will understand marketing and distribution, promotion, and selling.

**Careers Correlating:** Marketing Manager, Advertising Manager, Market Research Analyst, Production manager, etc.

## SPORTS AND ENTERTAINMENT PATHWAY

CS112X0 H. Project Management 1

CS122X0 Project Management 2

**Related Courses:**  
Project Management, Marketing,  
Advanced Studies

**Track Description:** Through Project Based learning, students will understand how to initiate, plan, execute, monitor, control and close a project in Real World Situations. This is one of the largest growing career fields currently and can be applied into ALL areas of student interests making it a great course for all students.

**After Completing this Track:** Students will have a basic understanding of how to develop, monitor, and control projects throughout industry.

**Careers Correlating:** Project Manager (applicable to almost every field), consultant, etc.

## PROJECT MANAGEMENT PATHWAY

CS112X0 H. Project Management 1

CS122X0 Project Management 2

**Related Courses:**  
Business Essentials, Advanced Studies,  
Can relate to ALL CTE areas

**Track Description:** Through Project Based learning, students will understand how to initiate, plan, execute, monitor, control and close a project in Real World Situations. This is one of the largest growing career fields currently and can be applied into ALL areas of student interests making it a great course for all students.

**After Completing this Track:** Students will have a basic understanding of how to develop, monitor, and control projects throughout industry.

**Careers Correlating:** Project Manager (applicable to almost every field), consultant, etc.

**Stand Alone Courses Available within Business: (No pre reqs required)**

**BM205X0 H. Microsoft Excel** – Students will learn how to enter, format, analyze, and manipulate data. They'll create Pivot Tables, charts, graphs, and develop large data sets. Math is reinforced as students use formulas and functions to perform calculations. Excel User and Excel Expert Certification is available. \*Standalone course with no pre-req, applicable to ALL careers and courses.

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

## ATHENS DRIVE MAGNET HIGH SCHOOL

2024-2025

### COMPUTER SCIENCE & IT EDUCATION

#### PYTHON PROGRAMMING PATHWAY

BP142X0 Python  
Programming 1

BP165X0 H. Python Programming 2

**Related Courses:**

Computer Science, SAS, Project Management, Drafting Engineering, Advanced Studies

**Track Description:** Python is currently the #2 most used programming language in the world. The pathway focuses on teaching students how to work with basic Python data types (strings, integers, floats, Booleans, and lists), implement conditionals and loops in code, use built-in and create custom Python functions, etc. As the student moves through the pathway projects become more complex and begin integrating Python with robotics concepts. Students will have an opportunity to credential in Microsoft Technology Associate: Introduction to Programming. Computing is, or is becoming, a component in all career fields so programming knowledge is beneficial regardless of chosen career.

**After Completing this Track:** Students will have a basic understanding of fundamental programming language principles and be able to read and write programs in the Python programming language.

**Careers Correlating:** Anything related to computer programming (software/web developer, system administrator, security analyst, project manager, etc.) engineering, and analytics, etc.

#### AP COMPUTER SCIENCE PATHWAY

0A02X0 AP Computer Science  
Principles

2A027X0 AP Computer Science

**Related Courses:**

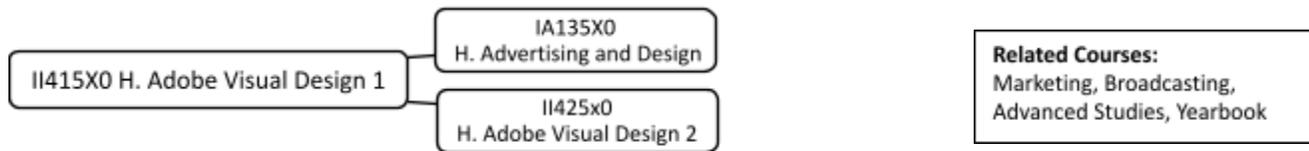
Python Programming, Project Management, Drafting Engineering, Advanced Studies

**Track Description:** Javascript is currently the #1 most-used programming language in the world while Java is #3 – these languages will be the focus of this track. As students enter this track they learn programming fundamentals using the Javascript programming language and explore the big ideas of computer science including abstraction, data and information, algorithms, the Internet, and the global impact of computing. After completing the first course they can choose to move into SAS or into Computer Science. In Computer Science, students learn basic programming concepts such as how to work with primitive data types including strings and arrays, writing classes, inheritance, and recursion in the Java programming language. This course is equivalent to a level I course for majors that require a computer science component. In SAS, students learn how to manipulate large data sets using the SAS language specifically designed for statistical analysis. They can credential in SAS Programming. These courses are hands-on and not lecture heavy.

**After Completing this Track:** Students will be able to write code in the Java and Javascript languages and will have earned college credit after passing AP exams. In SAS, students will have a better understanding of how to work with large data sets. Students will be prepared to begin a level 2 computer programming course in college.

**Careers Correlating:** Anything related to computer programming (software/web developer, system administrator, security analyst, project manager, etc.) , engineering, and analytics, etc.

## DESIGN AND ADVERTISING



**Track Description:** Understanding design and communication is a demanded skill needed in industry, with a graphic designer as a leading job choice in the Triangle area. In Visual Design 1, students learn Adobe Photoshop and Illustrator and have an opportunity to earn ACA Certification. Progressing into Advertising and Design, students explore a variety of design projects focused on understanding design principles, design thinking, and critique while developing portfolios. In Adobe Visual 2, students focus on learning InDesign and layout. ***(If planning to take all 3 courses, it is suggested to take Visual 1 – Ad Design – Visual 2).*** All classes are focused on hands-on projects, group work, and critique, with small amounts of lecture.

**After Completing this Track:** Students should have a comprehensive design portfolio, have a good understanding of design thinking, and understand the importance of clear communication. They will have technical competency in multiple Adobe Programs. Attendance is directly correlated with success.

**Careers Correlating:** Designer (industrial, graphic, architect, web, etc.), project manager, marketing, UX designer, art director, creative director, social media director, etc.

### Stand Alone Courses Available within Trade and Industry:

**10312X0AF/AS Yearbook 1 & 10325X0DF/DS H. Yearbook 2** – Throughout these courses, students will learn Adobe InDesign and Photoshop while creating the yearbook. They will learn the manual settings of a camera while learning principles of photography. Writing is reinforced in stories and captions. Students must complete work outside of class and attend events happening at the school. Time management skills are directly relational to success in this class. **Students MUST complete an application <http://tinyurl.com/YRBKAPP>.** *Though there is not an official pre-req, course registration is limited and priority is given to students that have taken and been successful in Adobe Visual Design.*

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

## ATHENS DRIVE MAGNET HIGH SCHOOL

2024-2025

### FAMILY AND CONSUMER SCIENCE EDUCATION

#### APPAREL AND TEXTILE PRODUCTION PATHWAY

FA312X0 Apparel and Textile  
Production 1

FA325X0 H. Apparel and Textile  
Production 2

**Related Courses:**  
Interiors, Adobe Visual,  
Advanced Studies

**Track Description:** The pathway focuses on teaching students how to sketch fashion as well as use an electronic sewing machine and serger. Class time is made up of guided notes, demonstrations, sketching, sewing, and developing individual and group projects. Students have an opportunity for a professional assessment and certification in fashion, textiles, and apparel.

**After Completing this Track:** Students should be able to follow a pattern and sew a garment by themselves while also understanding what skills are needed to start a business.

**Careers Correlating:** Retail Fashion, Fashion Designer, Textile Designer, Fashion Buyer, etc.

#### EARLY CHILDHOOD DEVELOPMENT AND SERVICES PATHWAY

FE602X0 Parenting and Child  
Development

FE112X0  
Early Childhood Education  
1 \*2 Credits

FE125X0  
H. Early Childhood  
Education 2 \*2 Credits

**Related Courses:**  
Teaching as a Profession,  
Advanced Studies

**Track Description:** The pathway begins in Parenting and Child Development where the foundation of basic developmental milestones knowledge and parenting skills are taught. Baby simulations are used for hands-on experience throughout the class. Early Childhood Education I & II introduces students to the teaching skills of infancy through adolescence years and applies learning in field experience at local daycares/preschools. The class is run for TWO periods during a single semester. Students MUST be 16 for ECE and have a negative TB test.

**After Completing this Track:** Students should be ready to work at a childcare center, raise children, babysit, and nanny successfully. Information learned within these classes will be valuable throughout life.

**Careers Correlating:** Early Childhood Educator, teacher, counselor, nanny, etc.

#### FOOD AND NUTRITION PATHWAY

FN412X0 Foods 1

FN425X0 H. Foods 2 Enterprise

**Related Courses:**  
Sustainable Agriculture  
Production, Advanced Studies

**Track Description:** The pathway focuses on reading and following recipes, using general kitchen equipment, developing critical thinking to plan meals and menus based on a variety of variables (ex. nutritional, dietary, cultural and financial), demonstrate baking skills and

understand the link between farm and table. Students will have an opportunity to demonstrate food safety skills and can obtain the ServSafe Certification. Weekly classes consist of traditional classroom learning, in-lab activities, group work, and assessment.

**After Completing this Track:** Students should be able to take care of basic food needs, have confidence in the kitchen, demonstrate creativity, and understand how to effectively shop on a budget.

**Careers Correlating:** Fast food worker, grocery store employee, line cook, chef, baker, nutrition, dietician, self-employed food service, hospitality industry, catering, etc.

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

## ATHENS DRIVE MAGNET HIGH SCHOOL

2024-2025

### HEALTH SCIENCE EDUCATION

#### EMERGENCY MEDICAL TECHNOLOGY PATHWAY

IP212X0 H. EMT 1

IP225X0 H. EMT 2

**Related Courses:**  
Health Science, Advanced Studies

**Track Description:** The pathway focuses on teaching students how to be an EMT through a number of scenarios and experiences. Students learn how to treat injuries and assess patients. They earn a number of FEMA certifications, STOP the Bleed, CPR, and NC Emergency Medical Technician. This is a Flipped Classroom Course – notes and reading are done at home while scenarios and hands-on learning are completed in class. **Students must turn or be 17 while taking EMT1 and score an 80 or above on all requirements in the class to be eligible to take EMT 2. It is strongly suggested students enroll in EMT as a year-long course during their senior year (EMT 1 in the fall and 2 in the spring). You MUST be a senior to take EMT 2.**

**After Completing this Track:** Students should be able to complete a medical and Trauma patient assessment, take vital signs, treat injuries and illnesses and transport patients to the hospital, and administer medications.

**Careers Correlating:** EMT, Paramedic, Fire Fighter, LPN, RN, Medical Doctor, etc.

#### HEALTHCARE PROFESSIONAL PATHWAY

HU102X0 Foundations of Health Science

HU405X0 H. Health Science 1

HU425X0 H. Health Science 2

**Related Courses:**  
Biomedical Technology (no pre-req), Pharm Tech (pre-req HS2), Advanced Studies, EMT 1 & 2

**Track Description:** The pathway focuses on providing a general overview of professions in healthcare, how to obtain those professions and gives a great knowledge base of the body to continue to build on throughout your education. Students can obtain CPR, STOP the Bleed, and OSHA certification, Blood Borne Pathogen training, and learn First Aid techniques. Most classes in this pathway use a combination of lecture/power point and worksheets to deliver content. Occasionally group work or individual projects are assigned.

**After Completing this Track:** Students should be ready to pursue a post-secondary degree in a health science field OR take college credit in high school to become a certified nursing assistant or certified pharmacy technician and go directly to work in that field after high school graduation.

**Careers Correlating:** Any career in the health science field - CNA, medical assisting, health informatics specialist, MD, PA, nurse, dentist, etc.

#### **Advanced Courses Available within Health:**

**HB115X0 H. Biomedical Technology** – This course challenges students to investigate current trends in health care. Topics include ethics, forensic medicine, infectious diseases, organ transplants, cell biology and cancer, and biomedical research.

**\*Pre req is Health Science 1 HOWEVER in the academy it is used as one of their 4<sup>th</sup> level course options (after Health Science 2) \*Registration is limited and priority is given to Health Science Academy students.**

**HH325X0 H. Pharmacy Technician** – Students interested in becoming pharmacy techs should take this class as topics discussed include medications, medical math conversations, history and job responsibilities of technicians. There are a variety of lab activities and projects completed during class. Students are offered a chance to take the Pharmacy Technician Board Exam and can obtain a job as a technician with this certification.

**\*Pre req is Health Science 2 \*Registration is limited and priority is given to Health Science Academy students and SENIORS**

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

ATHENS DRIVE MAGNET HIGH SCHOOL

2025-2025

TRADE, INDUSTRY, TECHNOLOGY EDUCATION

## ARCHITECTURAL DRAFTING PATHWAY

IC612X0 Drafting 1

IC625X0  
H. Drafting 2 Architectural

IC635X0  
H. Drafting 3 Architectural

### Related Courses:

Drafting Engineering,  
Construction, Interior Design,  
Adobe Visual, Advanced Studies

**Track Description:** In Drafting, students develop 3D visualization skills while learning architectural and design principles. Students learn AutoCAD in Drafting 1 (have a chance to credential) and progress to Revit in level 2 and 3 while also having a chance to credential up to the professional level. Classes are built around lectures and class discussions that progress to students participating in critique and designing their own houses. *Students should be in Math 2 before taking this course, , math skills are relational to success in this class.*

**After Completing this Track:** Students should have a comprehensive architectural portfolio. They should be able to read and draw blueprints, draw 3D shapes, design all pieces in a set of floor plans and understand space.

**Careers Correlating:** Architect, Construction, City Planning, Industrial Designer, Interior Designer, Gaming design, Real Estate, etc.

## CARPENTRY CAREER PATHWAY

IC002X0 Construction Core

IC212X0 Carpentry One

IC222X0 H. Carpentry Two

### Related Courses:

Drafting Architecture, Interior  
Design, Advanced Studies

**Track Description:** In Construction Core, students build projects while being introduced to proper use of hand and power tools. As they progress through the levels, students explore more in-depth projects and have opportunities to compete in the county-wide SHED competition. All students MUST pass the OSHA-10 Construction Credential in Construction Core. Students will have opportunities to complete the NCCER Credentials throughout all classes. Classes are a mix of lecture, instruction videos, demonstrations, and then project construction.

**After Completing this Track:** Students should have general knowledge of how to safely and properly use a variety of hand and power tools to build/repair a number of things. They should grasp the life-skill and understand how it applies to daily life of patching a wall, constructing a shed, or simply hanging a picture. Attendance is directly correlated with success.

**Careers Correlating:** Rough carpenter, trim carpenter, cabinet builder, theater/production designer, or numerous manufacturing jobs in which a carpentry skillset is required.

## FILM, TELEVISION, AND VIDEO PRODUCTION

IK66X0 Film, Television, and  
Video Production 1

IK67XX0 H. Film, Television, and  
Video Production 2: News

### Related Courses:

Marketing, Adobe Visual and  
Video Design, Advanced Studies,  
Newspaper, Yearbook

**Track Description:** In level 1, students learn the basics of video shooting and editing as they work to become visual storytellers. As students progress into level 2 of the track, they gain a stronger understanding of video journalism with their work airing on ATV. They develop interviewing, writing, shooting, producing, and advanced editing skills. Students create their projects in the Adobe Suite and with professional camera gear.

**After Completing this Track:** Students should be able to tell a story through visuals while understanding the technical set up of a video camera. Students will have advanced editing skills in Adobe Premier Pro.

**Careers Correlating:** Tv Producer, Radio Producer, Director, News writer, News Anchor, Video Editor, Videographer, etc.

## PUBLIC SAFETY PATHWAY

IP112X0 Public Safety 1

IP122X0 H. Public Safety 2

**Related Courses:**  
EMT 1 &2, Advanced Studies

**Track Description:** The pathway focuses on providing a general overview of professions in public safety while learning about natural disaster response and emergency management. Students earn a number of FEMA certifications, CPR, and CERT. Course information is delivered through computer platform with quizzes and online assignments. There are weekly class lectures and discussions along with visitation from community professionals (firefighters, police officers, etc). This is a great course to take before taking EMT courses.

**After Completing this Track:** Students should have a working knowledge of what is required for a person to get a job in the Public Safety field. They should know what to do to take care of themselves and their families in a time of need before, during, and after a disaster.

**Careers Correlating:** Police, Fire, EMS, Corrections, 911 Dispatcher, Emergency Management and any Military Services, etc.

# CAREER TECHNICAL EDUCATION COURSE SELECTIONS

## ATHENS DRIVE MAGNET HIGH SCHOOL

2025-2025

CTE EXTRAS – APPLICABLE TO ALL PATHWAYS

**CS975X0B CTE Internship** – This course challenges students to apply their course information in internship settings. Students should plan to find placements on their own and/or seek help from Ms. Carlton (*general CTE*) or Ms. Hulseley (*if part of the Health Science Academy*). **This course is an upper-level course and students should have completed a full track BEFORE registering for this class.**

**CS952X0J CTE Advanced Studies** – This course is available in all program areas as a follow-up course to any pathway. Once students have completed a 2<sup>nd</sup> level in a pathway of choice, they can work with a teacher and take this course. Work is self-guided but includes a large research piece, applicable project, presentation, and portfolio. **All students should talk to teachers they are interested in working with and then APPLY using this application link: <https://tinyurl.com/ADMHSadvstudies>**

**96102X0F1 Project Invent** – This course is available in all program areas as a follow-up course to any pathway. The class is part of the national Project Invent program. Students work in teams alongside community members to develop inventions and solve identified problems. The class is focused on team-building and 95% of work is done within groups. There is a focus on the design process, graphic design, 3D modeling, programming, and entrepreneurship. Groups complete a final pitch of their invention through the national program platform. The class can be used as part of the STEM Academy requirements.