Areas of Focus Offered at HHS (*Click the program name to learn more!)*

Advanced Manufacturing

Mechatronics

Advanced Manufacturing careers require strong mechanical ability, specialized skills, communication skills, and computation skills all of which support employees in problems solving, decision making, and working as a member of a skilled team. Courses at HHS allow students to gain experience in applied hands-on situations, post-secondary credits, and industry certifications.

1. Principles of Manufacturing – *EPSO & IC*
2. Digital Electronics
3. Mech I DE: Electrical Components – *EPSO*
   Mech II DE: Fluid Power – *EPSO*
4. Mech III DE: Mechanical Components – *EPSO*
   Mech IV DE: PLC Programming – *EPSO*

Arts, Audio/Visual Technology, & Communications

Audio/Visual Production

The Audio/Visual communications industry covers a wide range of careers including the manufacture, sale, rental, design, installation, integration, operation, and repair of audiovisual equipment. They are involved in the creation and presentation of media in a myriad of different settings not simply limited to TV or film production. Job recent job data points to a 20-30% job growth within the foreseeable future.

1. Audio Visual Production I
2. Audio Visual Production II- *EPSO & IC*
3. TV & Video Production Lab DE – *EPSO*
4. Introduction to Media DE – *EPSO*

Digital Arts & Design

Digital Arts & Design majors can find themselves working within or without the art world. Commonly, digital artists make use of their skills in animation, graphic design, photography, advertising, marketing, web design, and even game design. Whether as part of a design studio or a freelancer, design work requires a strong mix of artistic talent, technical skills, and understanding of user experience.

1. Digital Arts & Design I
2. Digital Arts & Design II
3. Digital Arts & Design III – *EPSO & IC*

Health Science

Therapeutic Services

Health Services is one of the largest industries in the country, accounting for more than 11 million jobs. The health science industry includes establishments ranging from small-town private practice physicians who employ only one medical assistant, individual self-employed service providers, to busy inner-city hospitals that provide thousands of diverse jobs. The industry is expected to add 1.6 billion jobs by 2033, accounting for nearly one-quarter of the jobs expected to be added to the economy.

1. Health Science Education
2. Anatomy & Physiology: Health Sciences
3. Medical Therapeutics – *IC*
4. Clinical Intern Therapeutics – *EPSO & IC*

5. **Additional offering**: Sport Medical Terminology DE ONLINE – *EPSO*

Human Service

Human & Social Sciences

Social health services focus on the skills and knowledge needed for occupations that support the everyday functioning of society, such as social services workers, counselors, and family mediators. Students investigate human needs and their impact on lifespan development, an overview of the human and social services fields, communication skills, and the historical and social changes of the modern family.

1. Introduction to Human Studies
2. Lifespan Development
3. Family & Global Perspectives DE – *EPSO*
   Family Resource Management DE – *EPSO*
4. **Additional offering**: Principles of Nutrition DE ONLINE – *EPSO*

Hospitality and Tourism

Culinary Arts

The Hospitality and Tourism career cluster prepares learners for post-secondary credentials and careers in the management and operations of lodging, food services, attractions, recreation and event planning, and other travel-related services. This career cluster includes two programs of study: Culinary Arts and Hospitality and Tourism Management. Beginning salaries depend on the employee's skills, education, and job level at a hotel, restaurant, tourism office, recreation facility, amusement park, or attraction site. Salaries range from entry level wages to six figures. This industry is known for being promoted from within, for its large number of young managers, and the ability to travel and move nationally and internationally.

1. Culinary Arts I
2. Culinary Arts II- EPSO & *IC*

Culinary Arts courses will be added each year ensuring students who begin this area of focus will have the opportunity complete a full program of study. Future courses will allow students to earn Dual Enrollment credit through the University of Memphis.

Business Management & Administration

Business Management

The Business Management and Administration career cluster prepares learners for careers in planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations. Career opportunities are available in every sector of the economy and require specific skills in organization, time management, customer service, and communication.

1. Intro to Business & Marketing
2. Business Communication
3. Business Management
4. Introduction to Entrepreneurship DE – *EPSO*

Marketing, Distribution, & Logistics

Marketing

The Marketing, Distribution & Logistics career cluster prepares learners for careers in planning, managing, and performing marketing activities to reach organizational objectives, as well as careers involved in the planning, management, and movement of people, materials, and products by road, air, rail, and water. A large percentage of jobs in the Marketing career cluster have a bright outlook and are expected to grow rapidly in the next several years, due to ample job openings and the addition of new occupations.

1. Intro to Business & Marketing
2. Marketing & Management I
3. Social Media & Analytics
4. Introduction to Entrepreneurship DE – *EPSO*

Law, Public Safety, Corrections, & Security

Criminal Justice & Correction Services

The Criminal Justice and Correction Services program of study prepares students for a range of careers in law enforcement, crime scene analysis, forensic science, public safety, and criminal justice. Course content emphasizes procedures and laws governing the application of justice in the United States, from constitutional rights to crisis scenario management and the elements of criminal investigations. Upon completion of this program of study, students will be equipped with the knowledge and skill preparation for post-secondary or career opportunities in many law- and justice-related fields.

1. Criminal Justice I
2. Criminal Justice II
3. Criminal Justice III
4. Introduction to Criminal Justice DE ONLINE – *EPSO*
   Introduction to Policing DE ONLINE – *EPSO*

Agriculture, Food, & Natural Resources

Horticulture Science

Horticulture Science prepares students for future careers in the management of greenhouse operations, horticulture production, landscape design and maintenance, and turf management. Content covered in includes principles of plant health, growth, reproduction, and biotechnology, principles of hydroponics and aquaponics, greenhouse structures, growing media, site analysis and planning, principles of design, and plant selection and care techniques. Upon completion of these courses, students will be prepared to pursue careers or further study in the horticultural sciences.

1. Agriscience – *IC*
2. Principles of Plant Sci & Hydroculture – *EPSO & IC*
3. Greenhouse Management
4. Landscaping & Turf Science

STEM

Advanced STEM Applications

STEM Applications is a program of study designed for students interested in the exciting careers available in the high-demand fields of science, technology, engineering, and mathematics. This program of study is uniquely structured to offer students an overview of STEM fields, occupations, and applications in the first course, followed by more specialized study of the scientific inquiry or engineering design process in subsequent courses, culminating in a portfolio and internship experience. Upon completion, students will be prepared to pursue advanced study in the STEM field of their choice at a variety of post-secondary institutions.

1. STEM I: Foundations Honors – *EPSO & IC*
2. STEM II: Applications Honors
3. STEM III: STEM in Context Honors – *EPSO & IC*
4. STEM IV: Prep for Engr Prob Solving DE – *EPSO*
   STEM IV: Engineering Problem Solving DE – *EPSO*

Information Technology

Information Technology (IT) careers involve the design, development, support and management of hardware, software, multimedia and systems integration services. The IT industry is a dynamic and entrepreneurial working environment that has a revolutionary impact on the economy and society. In addition to careers in the IT industry, IT careers are available in every sector of the economy - from Financial Services to Medical Services, Business to Engineering and Environmental Services. Anyone preparing for an IT career should have a solid grounding in math and science.

Coding

1. Computer Science Foundations
   Computer Science Principles AP– *EPSO*
2. Coding I
3. Coding II Honors
4. Computer Science A AP – *EPSO*

**Students can apply for a Work-Based Learning Career Practicum after completion of at least two course offerings in a program.

Additional Offering

AI for ALL Minor

1. Artificial Intelligence Literacy DE ONLINE – *EPSO*
2. Artificial Intelligence Skills and Techniques DE ONLINE – *EPSO*

These two courses count for 6 of the 12 credit hours required for the new ***AI for All*** minor from the University of Memphis, which launched in Fall 2025. Additional electives will be available during the 2027–2028 school year, allowing students to complete the full minor.

Elective Focus Areas

<table>
<tr>
<td>Advanced Manufacturing
<u>Mechatronics</u>
1. Principles of Manufacturing
2. Digital Electronics
3. Mech I DE: Electrical Components*
& Mech II DE: Fluid Power*
4. Mech III DE: Mechanical Components*
& Mech IV DE: PLC Programming*
5. WBL: Mechatronics Career Practicum</td>
<td colspan="2">Advanced Placement (AP)
English 11: Language and Composition AP
English 12: Literature and Composition AP

Art History AP
Music Theory AP

Pre-Calculus AP
Statistics AP
Calculus AB AP
Calculus BC AP

Biology AP
Chemistry AP
Environmental Science AP
Physics I AP
Physics II AP

World History AP
Human Geography AP
European History AP
US History AP
US Government AP
Macroeconomics AP
Psychology AP

French Language & Culture AP
German Language & Culture AP
Latin AP
Spanish Language & Culture AP

Computer Science Principles AP
Computer Science A AP</td>
<td>Agriculture, Food, & Natural Resources
<u>Horticulture Science</u>
1. Agriscience
2. Principles of Plant Sci & Hydroculture
3. Greenhouse Management
4. Landscaping & Turf Science
5. WBL: Horticulture Science Career Practicum</td>
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<td>Arts, Audio/Visual Technology, & Communications
<u>Audio/Visual Production</u>
1. Audio Visual Production I
2. Audio Visual Production II
3. TV & Video Production Lab DE</td>
<td colspan="2">Business Management & Administration
<u>Business Management</u>
1. Intro to Business & Marketing
2. Business Communication
3. Business Management
4. Introduction to Entrepreneurship DE
5. WBL: Business Management and Administration Career Practicum</td>
<td>Fine Arts
Instrumental Music Honors
Varsity Band Honors
Color Guard Honors
Improvisation Honors
Jazz Band Honors
Theory & Harmony

Art I Honors
Art History AP
Mixed Media Studio Honors
Painting & Drawing Studio Honors
Illustration & Narr.</td>
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<td>4. Introduction to Media DE
5. WBL: Audio/Visual Production Career Practicum

<u>Digital Arts & Design</u>
1. Digital Arts & Design I
2. Digital Arts & Design II
3. Digital Arts & Design III
4. WBL: Digital Arts & Design Career Practicum</td>
<td></td>
<td rowspan="2">Honors
Music Theory AP

Orchestra
Orchestra Honors
Symphony Orchestra Honors

Mixed Choir
Treble Choir Honors
Concert Choir Honors

Art I
Art History AP
Intro to Film
Theatre Arts I: Introduction

Additional offering:
Intro to Music DE ONLINE

Art Honors
Studio Art: Drawing AP
Theatre Arts I Honors: Beginning Acting
Theatre Arts II Honors: Scene Study
Theatre Arts III Honors: Advanced Acting
Theatre Arts IV DE: Advanced Production
Theatre Arts V DE: Advanced Production</td>
</tr>
<tr>
<td>Health Science
<u>Therapeutic Services</u>
1. Health Science Education
2. Anatomy & Physiology: Health Sciences
3. Medical Therapeutics
4. Clinical Intern Therapeutics
5. WBL: Therapeutic Services Career Practicum
6. Additional offering:
Sport Medical Terminology DE ONLINE

Hospitality & Tourism
<u>Culinary Arts</u>
1. Culinary Arts I
2. Culinary Arts II</td>
<td>Humanities
African American History*
Classical Mythology*
Creative Writing*
European History AP
Human Geography AP
World History AP
Oral Communication DE*
Etymology Honors*
Facing History & Ourselves Honors*

Humanities Honors
Journalism (Yearbook)
Preparing for the ACT*
Psychology*
Sociology*
Psychology AP

+World Languages above graduation requirements</td>
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<td>Human Service
<u>Human & Social Sciences</u>
1. Introduction to Human Studies
2. Lifespan Development
3. Family & Global Perspectives DE*
& Family Resource Management DE*
4. Sociology* & Psychology*
5. WBL: Human and Social Sciences Career Practicum
6. Additional offering:
Principles of Nutrition DE ONLINE</td>
<td colspan="2">Information Technology
<u>Coding</u>
1. Computer Science Foundations
or Computer Science Principles AP
2. Coding I
3. Coding II Honors
4. Computer Science A AP
5. WBL: Coding Career Practicum

Additional Offering
<u>AI for ALL</u>
1. Artificial Intelligence Literacy DE ONLINE
2. Artificial Intelligence Skills and Techniques DE ONLINE</td>
<td>Law, Public Safety, Corrections, & Security
<u>Criminal Justice & Correction Services</u>
1. Criminal Justice I
2. Criminal Justice II
3. Criminal Justice III
4. Introduction to Criminal Justice DE* ONLINE & Introduction to Policing DE* ONLINE
5. WBL: Criminal Justice and Correction Services Career Practicum</td>
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<td>Marketing, Distribution, & Logistics
<u>Marketing</u>
1. Intro to Business & Marketing
2. Marketing & Management I
3. Social Media & Analytics
4. Introduction to Entrepreneurship DE
5. WBL: Marketing Management Career Practicum</td>
<td colspan="2">Math & Science
Pre-Calculus AP
Calculus
College Alg DE* & Trig DE*
Calculus AB AP
Calculus BC AP
Calc III DE
Diff Equa DE
Statistics AP
Stat Prob DE* & F Math DE*
Bio DE I
Bio DE II
Biology II Honors & Biology AP

Chem DE I
Chem DE II
Chemistry II Honors & Chemistry AP
Anatomy & Phys. Honors
Anatomy & Phys. DE I
Anatomy & Phys. DE II
Environmental Science AP
Physics I AP
Physics II AP</td>
<td>STEM
<u>Advanced STEM Applications</u>
1. STEM I: Foundation Honors
2. STEM II: Applications Honors
3. STEM III: STEM in Context Honors
4. STEM IV: Prep for Engr Prob Solving DE* & STEM IV: Engineering Problem Solving DE*
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* .5 credit