2024-2025

MHHSCA

COMMITTED TO EXCELLENCE IN EDUCATION
EVERY STUDENT - EVERY TIME

Course Catalog

Table of Contents

Course/Credit Legend

CF - Career Focus	C - Communications	DL - Digital Learning
E - English	FA - Fine Art	H - Health
M - Math	PE - Physical Education	PA - Practical Art
S - Science	SS - Social Studies	

Mountain Home School District 2024-2025 School Calendar

August 12 Teacher In-Service (PD)
August 13 Teacher In-Service (PD)
August 14 Teacher Work Day (CT)
August 15 District Open House 1:00-7:00 (CT)
August 16 Teacher In-Service (PD)
August 19 First Day of School for Students
September 2 Labor Day (no school)
October 16 **First Quarter Ends (42 days)**
October 17 Second Quarter Begins
October 24 Parent/Teacher Conferences 1:00-7:00 K-12 (CT) (1:00 pm dismissal)
October 25 Teacher In-Service (PD FLEX) (no students)
November 25-26 Teacher In-Service (PD FLEX) (no students)
November 27-29 Thanksgiving Break (no school)
December 20 Early Dismissal (1:00 pm)
Second Quarter Ends (41 days) / End of First Semester (83 days)
Dec. 23 - Jan.3 Christmas Break (no school)
January 6 Teacher Work Day (CT) (no students)
January 7 Third Quarter Begins
January 20 Martin Luther King Day (no school)
February 13 Parent/Teacher Conferences 1:00-7:00 K-12 (CT) (1:00 pm dismissal)
February 14 Teacher Independent Contract Day (CT FLEX) (no students)
March 12 **Third Quarter Ends (45 days)**
March 13 Fourth Quarter Begins
March 21 Early Dismissal (1:00 pm)
March 24-28 Spring Break (no school)
April 18 Early Dismissal (1:00 pm)
May 16 Early Dismissal (1:00 pm)
May 23 Early Dismissal (1:00 pm) - **Last day for Students**
Fourth Quarter Ends (47 days) / End of Second Semester (92 days) (175 days total)
May 27 - May 30 Teacher Independent Contract Days (CT FLEX) (no students)

First Quarter- 42 Days
- 3 Teacher In-Service Days (PD)
- 1 Teacher Work Day (CT)
- 1 Open House (CT)

Second Quarter- 41 Days
- 1 Parent/Teacher Conference Day (CT)
- 3 Teacher In-Service Days (PD Flex)

Third Quarter- 45 Days
- 1 Teacher Work Day (CT)
- 1 Parent/Teacher Conference Day (CT)
- 1 Teacher Independent Contract Day (CT Flex)

Fourth Quarter- 47 Days
- 4 Teacher Independent Contract Days (CT Flex)

175 Days (1,117 Hours) (Including Banked Instructional Time)
6 Teacher In-Service Days
8 Teacher Contract Days
2 Parent-Teacher Conference Days
191 Total Teacher Contract Days

Emergency Use Days:
Days 1-5: Banked Instructional Time
Day 6: January 20
Day 7: May 27
Day 8: May 28
Day 9: May 29
Day 10: May 30

Flex Days: 10/25/2024 (PD), 11/25/2024 (PD), 11/26/2024 (PD), 2/14/2025 (CT), 5/27/2025 (CT), 5/28/2025 (CT), 5/29/2025 (CT), 5/30/2025 (CT)

BELL SCHEDULES

ARKANSAS MINIMUM GRADUATION REQUIREMENTS

SMART CORE WAIVER FORM

Name of Student:_____
Name of Parent/Guardian:_____
Name of District: _____
Name of School: _____

Smart Core is Arkansas's college- and career-ready curriculum for high school students. College and career readiness in Arkansas means that students are prepared for success in entry-level, credit-bearing courses at two-year and four-year colleges and universities, in technical postsecondary training, and in well-paid jobs that support families and have pathways to advancement. To be college and career ready, students need to be adept problem solvers and critical thinkers who can contribute and apply their knowledge in novel contexts and a variety of situations. Smart Core is the foundation for college and career-readiness. All students should supplement additional rigorous coursework within their career focus.

Failure to complete the Smart Core Curriculum for graduation *may* result in negative consequences such as conditional admission to college and ineligibility for some scholarship programs.

STATE MINIMUM GRADUATION REQUIREMENTS

English – 4 credits

- 9th Grade English*
- 10th Grade English*
- 11th Grade English*
- 12th Grade English or Transitional English 12*

Mathematics – 4 credits (or 3 credits of math and 1 credit of Computer Science)**

- Algebra I (or Algebra I-Part A & Algebra I-Part B - *each may be counted as one credit of the 4-credit requirement*)
- Geometry (or Geometry-Part A & Geometry-Part B - *each may be counted as one credit of the 4-credit requirement*)

(All math credits must build on the base of algebra and geometry knowledge and skills.)

Science – 3 credits (or 1 biology, 1 physical science, and 1 Computer Science)**

- ADE approved biology – 1 credit
- ADE approved physical science – 1 credit
- ADE approved third science or Computer Science Flex – 1 credit

Social Studies – 3 credits

- Civics* - ½ credit
- World History* - 1 credit
- American History* - 1 credit
- other social studies* – ½ credit

Oral Communications – ½ credit
Physical Education – ½ credit
Health and Safety – ½ credit
Economics and Personal Finance – ½ credit (may be counted toward Social Studies or Career Focus)
Fine Arts – ½ credit
Career Focus – 6 credits
Personal Finance* – Beginning with the freshmen class of 2017-18, A.C.A. § 6-16-135 requires students to complete a course that includes specific personal finance standards in either grades 9, 10, 11, or 12.

***Category course options as listed under each applicable subject area in the ADE Course Code Management System**

****Computer Science – (optional)** **Beginning with the entering ninth grade class of 2022-2023, a public high school student shall be required to earn one (1) unit of credit in an ADE-approved high school computer science course before the student graduates (**A.C.A. § 6-16-152). A flex credit of an approved Computer Science (any course starting with 465 or 565) may replace the 4th math requirement or the 3rd science requirement. Two distinct credits of the approved computer science courses may replace the 4th math requirement and the 3rd science requirement. Once the 4th math requirement and the 3rd science requirements have been met, any additional computer science credits will be recognized as career focus credits.

Each high school student shall be required to take at least one digital learning course for credit to graduate.

By signing this form, I acknowledge that I have been informed of the requirements and implementation of the Smart Core Curriculum and am choosing to waive the Smart Core curriculum. I understand the potential negative consequences of this action as outlined on this form.

_____ _____ _____

Parent/Guardian/Adult Student Signature Date School Official Signature
Date

Arkansas Department of Education—Feb 23, 2022

*Additional MHHS Core requirements: 1.0 GPA; 24 Credits; 1.0 Credit of Practical Art (which can be included in the 6.0 career focus requirements.)

ARKANSAS GRADUATION REQUIREMENTS
SMART CORE INFORMATION

English – 4 credits

- 9th Grade English*
- 10th Grade English*
- 11th Grade English*
- 12th Grade English*

Mathematics – 4 credits (or 3 credits of math and 1 credit of Computer Science)**

- Algebra I*
- Geometry*
- Algebra II*
- ADE approved fourth Math credit or Computer Science Flex – 1 credit

Science – 3 credits (or 1 biology, 1 physical science, and 1 Computer Science)**

- ADE approved biology – 1 credit
- ADE approved physical science – 1 credit
- ADE approved third science or Computer Science Flex – 1 credit

Social Studies – 3 credits

- Civics* - ½ credit
- World History* - 1 credit
- American History* - 1 credit
- other social studies* - ½ credit

Personal Communication* – ½ credit
Physical Education* – ½ credit
Health and Safety* – **½ credit**
Economics and Personal Finance* – **½ credit** (may be counted toward Social Studies or Career Focus)
Fine Arts* – **½ credit**
Career Focus* – **6 credits**

Personal Finance – Beginning with the freshmen class of 2017-18, A.C.A. § 6-16-135 requires students to complete a course that includes specific personal finance standards in either grades 9, 10, 11, or 12.

***Category course options as listed on the ADE Smart Core Course Code List**

****Computer Science** – **(optional)** A flex credit of an approved Computer Science (any course starting with 465 or 565) may replace the 4th math requirement or the 3rd science requirement. Two distinct credits of the approved computer science courses may replace the 4th math requirement and the 3rd science requirement. Once the 4th math requirement and the 3rd science requirements have been met, any additional computer science credits will be recognized as career focus credits.

Each high school student shall be required to take at least one digital learning course for credit to graduate. Smart Core is the default graduation requirement for all students; therefore, signatures are no longer required to participate. Schools should develop Students Success Plans beginning in 8th grade for all students in accordance with Smart Core requirements.

Arkansas Departments of Education— May 9, 2019

*MHHS additional requirements for SMART Core: 26 credits; 2.5 GPA; 2 Credits of the same foreign language; 1 credit of practical art (Can be included in the 6.0 career focus requirements).

Concurrent Credit: High school Juniors and Seniors who meet minimum placement score requirements are eligible for two ASUMH courses per semester through the Arkansas Concurrent Challenge Scholarship. This scholarship provides a maximum of 8 college courses over the course of the two academic years for a student who remains in good standing. Classes that are designated as concurrent credit classes are ones where the student can receive high school and college credit for the same course – any college course worth 3 credit hours will earn a full 1.0 credit on a student's high school transcript.

Under the Arkansas Concurrent Challenge Scholarship, students will take college courses that meet general education requirements (according to the Arkansas Course Transfer System – ACTS) at any college/university in the state of Arkansas. Students should always check with their future college of choice to verify which courses will count towards their degree plan.

This scholarship covers courses taught online, on the ASUMH campus, or on the MHHS campus. Some of the courses available for concurrent credit that are taught on the MHHS campus are Composition I & II, Calculus 1 (Spring semester of AP Calculus), College Algebra, and Technical Math. A full list of eligible courses are listed on the next page or can be obtained from the high school counselor.

Between the AR Concurrent Challenge Scholarship, a scholarship provided by ASUMH, and a $25 fee paid by MHHS, the only cost to the student is the cost of books and any course materials – for two courses per semester. Only high school students who are classified as a Junior or Senior qualify. Note: A student is allowed to take more than the two allotted courses; however, the student would be charged full tuition and fees for any additional courses.

Any student who withdraws from a concurrent credit course, whether it be a seated concurrent course on MHHS campus, a course seated at ASUMH, or an online course, must formally withdraw from the course through ASUMH abiding by withdrawal procedures. If a student withdraws from or fails (grade of D or F) one of these classes, he or she will only be eligible for one course the next semester (per AR Concurrent Challenge Scholarship guidelines). The student should also check with the Financial Aid office at ASUMH to understand how this may affect future financial aid.

To register, students need to meet with their high school counselor. An application will be submitted along with placement scores. A minimum 19 ACT Reading score or 252 Reading Accuplacer score is needed for any course. Math and English placement score requirements will vary based on the course.

Secondary courses are also college level courses covered under the concurrent credit umbrella; however, they are completely funded by secondary education. These courses are Career and Technical Education (CTE) courses that are geared towards the workforce – not necessarily transferable courses. Secondary center programs include Welding, Machining/Mechatronics, Automotive, Criminal Justice, and Health Sciences. A placement score is required, however, there is no minimum score. More information can be found further in this course catalog or through the high school counselor.

ACTS Transfer Courses – The following are courses that are concurrent courses that the state of Arkansas have deemed as a guaranteed transfer to any public institution in the state of Arkansas, and they are covered by the scholarship discussed on the prior page.

ACC 2003 - Prin of Accounting 1
ACC 2013 - Prin of Accounting 2
ART 2503 - Fine Arts Visual
BIOL 1004 - Biological Science/Lab
BIOL 2004 - Human A&P 1/Lab
BIOL 2014 - Human A&P 2/Lab
BIOL 2104 - Microbiology/Lab
BUS 1013 - Intro to Business
BUS 2023 - Legal Environment of Bus
BUS 2113 - Business Statistics
BUS 2513 - Fundamentals of Marketing
BUS 2563 - Business Communications
CHEM 1014 - General Chemistry 1/Lab
CHEM 1024 - General Chemistry 2/Lab
CIS 1203 - Introduction to Computers
COMM 1203 - Oral Communications
CRJ 1023 - Intro to Criminal Justice
ECON 2313 - Prin of Macroeconomics
ECON 2323 - Prin of Microeconomics
ENG 1003 - Composition 1
ENG 1013 - Composition 2
ENG 2003 - World Literature to 1660
ENG 2013 - World Literature since 1660
GEOG 1103 - Intro to Geography
GEOG 2703 - World Geography
HIST 1013 - World Civilization to 1660
HIST 1023 - World Civilization since 1660
HIST 2763 - US History to 1660
HIST 2773 - US History since 1660
MATH 1023 - College Algebra
MATH 1033 - Plane Trigonometry
MATH 1043 - Quantitative Reasoning
MATH 1103 - Technical Math
MATH 2204 - Calculus 1
MUS 2503 - Fine Arts Music
PHYS 1204 - Physical Science/Lab
PHYS 2054 - General Physics 1/Lab
PHYS 2064 - General Physics 2/Lab
POSC 2103 - US Government
PSY 2513 - Intro to Psychology
SCO 2213 - Prin of Sociology
SOC 2223 - Social Problems
SOC 2233 - Intro to Cultural Anthropology
SPN 1013 - Elementary Spanish 1
SPN 1023 - Elementary Spanish 2
THEA 2503 - Fine Arts Theatre

GRADUATION INFORMATION

College Admission: The smart core courses are recommended for the serious student who plans to register for competitive college. Completion of the smart core courses is not required for general admission to some community colleges, technical schools, or most Arkansas state colleges; however, it may be required for unconditional admission to competitive universities and colleges. Both MHHS diplomas are designed to allow students to attend college. However, if a student plans to compete for seats in a college for which seats are limited, the smart core diploma is highly recommended.

Honor Graduate Requirements: To be an Honor Graduate at Mountain Home High School, a student must complete the Smart Core requirements, have a 3.5 total cumulative GPA, and take a minimum of 2 Advanced Placement courses. Honor graduates are designated as follows:

Summa Cum Laude: above 4.0 (7.5 semester GPA)
Magna Cum Laude: 3.75 0 4.0 (7.5 semester GPA)
Cum Laude: 3.5 - 3.74 (7.5 semester GPA)

Advanced Placement: Classes designated Honors or Advanced Placement (AP) are designed for the academically able student. They are fast-paced, in-depth, challenging courses that require extra work at home and in class. Teacher recommendation and previous classes in the Honors strand are suggested but not mandatory. AP classes carry a 5.0 weight; the Honors classes are on the regular 4.0 system. Parent permission is required.

Articulated Credit: If a student has completed any of the following programs of study with a grade of "C" or better, enrolled in ASUMH within 18 months of graduation, and successfully completed 12 hours at ASUMH, he or she may receive credit toward a two-year degree or certificate. These courses are: AG Metals, Food Safety and Nutrition, Hospitality Administration, Principles of Banking, Survey of Business, CS Networking and CS Programming. Information can also be found on ASUMH's website.

Academy Choices: Students choose their initial academy in the 9th grade through their Keystone class. Each student will select an academy in which he or she will gain career awareness in a way more pertinent to the student's interests. A student is required to remain in the academy that he or she has chosen for a period of one school year. Prior to registration each year, there will be an opportunity to make an application to change one's academy if a student finds that a change is needed. Following are the three academy choices:

ACME - Agriculture, Construction, Manufacturing, and Engineering
CAB - Communications, Arts, and Business
HHS - Health and Human Services

Agriculture

These courses may be taken as career focus or practical arts credits.

Agribusiness Management - 491031 - PA, CF
Grade Level: 10, 11, 12- 1 credit, 2 semesters
Prerequisite: Survey of Ag Systems
This course provides students with a basis for making effective decisions, setting goals, assessing and solving problems, evaluating the management of resources, and gaining skills useful in everyday life. FFA and SAEs will be covered as well.

Agricultural Metals - 491380 - PA, CF
Grade Level: 10, 11, 12—1 credit, 2 semesters
Prerequisite: Survey of Ag Systems & Agriculture Mechanics This course covers safety, technical information, tool fitting, sheet metal, hot and cold metal work as well as an introduction to oxyacetylene welding and cutting and arc welding. Also covered are fabrication concepts, reading and implementing blueprints as they relate to metalwork, CAD, arc welding, gas welding, MIG welding, plasma cutting, CNC plasma, and careers related to metalwork. Safety practices and performance skills will be emphasized in each area.

Agricultural Mechanics - 491390 - PA, CF
Grade Level: 10, 11, 12— 1 credit, 2 semesters
Prerequisite: Survey of Ag Systems
This course connects scientific principles with mechanical skills. This course will enhance the student's understanding of traditional areas of agriculture mechanics. Agricultural technology including such topics as electricity, internal combustion engines, metal technology, construction, and the development, role, and scope of mechanical technology in agriculture will be emphasized.
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Advanced Agricultural Mechanics - 490810 - PA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Survey of Ag Systems & Agriculture Mechanics
Students will cover agricultural technology terms, careers, systems, features, and troubleshooting. They will develop industry partnerships to meet specific needs in agricultural settings with skills including agricultural power systems, small engine technology, agricultural electricity, and CNC technology.

Natural Resources Management - 491310 - PA, CF
Grade Level: 10, 11, 12 --1 credit, 2 semesters
Prerequisite: Survey of Ag Systems
This course encompasses the study of the management, protection, enhancement and improvement of soil, water, wildlife, forests and air as natural resources along with the study of systems, instruments and technology used to monitor and minimize the impact of human activity on environmental systems.

Agricultural Structures - 491410 - PA, CF
Grade Level: 10, 11, 12 -1 credit, 2 semesters
Prerequisite: Survey of Ag Systems & Agriculture Mechanics
Students will be introduced to practices used in farm building and construction of facilities for the farm and the technical areas of the agriculture structural industry. Topics will include FFA, SAEs, safety, concrete and masonry structures, basic carpentry, plumbing, electricity, metal fabrication, and painting and finishing.

Animal Science - 491181 - PA, CF
Grade Level: 10, 11, 12—1 credit, 2 semesters
Prerequisite: Survey of Ag Systems
Topics covered include animal biotechnology, animal behavior, classification, consumer concerns, animal welfare, genetics, scientific selection, reproduction, growth and development, nutrition, meat science, and diseases. This course is a scientific approach to animal science using scientific principles and applied management practices. An emphasis on selection and industry review will be based on scientific data.

Forestry and Wildlife Ecosystems- 491261 - PA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Survey of Ag Systems & Natural Resources Management
This course provides an overview of the forestry industry and its importance to the economy of the nation. Tree identification, management practices, harvesting, marketing processes, and business applications are major topics. GPS and GIS are included.

Survey of Agriculture Systems - 491151 - PA, CF
Grade Level: 9, 10, 11, 12—1 credit, 2 semesters
A **foundation** course for all Agriculture programs of study. Topics covered include general agriculture, FFA, leadership, record keeping, supervised agricultural experiences, animal science, plant science, soil science, and agricultural mechanics.

Greenhouse Management - 490800 - PA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Survey of Ag Systems & Plant Science
This course allows for an in-depth look at the Plant Science Industry while providing hands-on laboratories and opportunities to participate in FFA and supervised agricultural experiences. The areas included are greenhouse management, nursery management, floriculture, landscaping, and fruit, and vegetable production.

Veterinary Science - 491461 **-** PA, CF

Grade Level: 11, 12 - 1 credit, 2 semesters

Prerequisite: Survey of Ag Systems & Animal Science

This course will provide the student with a sound platform to master the knowledge and skills necessary to become a veterinary assistant. It will also prepare the student to pursue a rewarding career as part of the professional veterinarian team and equip the next generation of veterinarians and veterinary assistants with the new technological tools that reinforce the industry's expectations. The course also provides academic knowledge, higher-order reasoning, and problem-solving skills, work attitudes, general employability skills, technical and occupational skills.

Plant Science - 491170 **-** PA, CF, S

Grade Level: 10, 11, 12 - 1 credit, 2 semesters

Prerequisite: Survey of Ag Systems

Completion of this course may replace the 3rd science credit.

The Plant Science course encompasses the study of plant life cycles, classifications, functions, structures, reproduction, media, and nutrients, as well as growth and cultural practices through the study of crops, turfgrass, trees, shrubs, and/or ornamental plants.

Agricultural Department Staff

Josh Baker, ACME

Owen Carpenter, ACME

Tyler Lewis, ACME

Carson White, ACME

2020-2021 Agriculture Science and Technology Program of Study Areas

Program of Study:	Agricultural Power, Structural & Technical Systems			
Cluster:	Agriculture, Food, and Natural Resources			
Pathway:	Agricultural Power, Structural & Technical Systems			
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
491150	**Survey of Agriculture Systems**	1	9-12	1
491390	**Agricultural Mechanics**	2	10-12	1
Plus one full credit from the list below				
490810	**Advanced Agricultural Mechanics**	3	10-12	1
491380	**Agricultural Metals**	3	10-12	1
491410	**Agricultural Structures**	3	10-12	1
Program of Study:	Animal Systems			
Cluster:	Agriculture, Food, and Natural Resources			
Pathway:	Animal Systems			
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
491150	**Survey of Agriculture Systems**	1	9-12	1
491180	**Animal Systems**	2	10-12	1
Plus one full credit from the list below				
491010	**Advanced Animal Systems**	3	10-12	1
491460	**Veterinary Science**	3	10-12	1

Program of Study: Plant Systems Cluster: Agriculture, Food, and Natural Resources Pathway: Plant Systems				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
491150	**Survey of Agriculture Systems**	1	9-12	1
491340	**Plant Systems**	2	10-12	1
Plus one full credit from the list below				
491270	**Greenhouse Management**	3	11-12	1
490800	**Advanced Plant Science**	3	11-12	1

Program of Study: Natural Resources/ Environmental Service Systems Cluster: Agriculture, Food, and Natural Resources Pathway: Natural Resources/Environmental Service Systems				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
491150	**Survey of Agriculture Systems**	1	9-12	1
491310	**Natural Resources Management**	2	10-12	1
Plus one full credit from the list below				
490800	**Greenhouse Management**	3	11-12	1
491261	**Forestry & Wildlife Ecosystems**	3	10-12	1
Program of Study: Agribusiness Systems Cluster: Agriculture, Food, and Natural Resources Pathway: Agribusiness Systems				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
491150	**Survey of Agriculture Systems**	1	9-12	1
491030	**Agribusiness Management**	2	10-12	1
Plus one full credit from the list below				
491180	**Animal Science**	3	10-12	1
491390	**Agricultural Mechanics**	3	10-12	1
491310	**Natural Resources Management**	3	10-12	1
491340	**Plant Science**	3	10-12	1

2021-2022 Agriculture Science and Technology Program of Study Areas

Program of Study: Natural Resources/Environmental Service Systems Cluster: Agriculture, Food, and Natural Resources Pathway: Natural Resources/Environmental Service Systems				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
491151	**Survey of Agriculture Systems**	1	9-12	1
491310	**Natural Resources Management**	2	10-12	1
491261	**Forestry & Wildlife Ecosystems**	3	10-12	1

ASUMH Career & Technical Programs

ASUMH's Technical Center, located at 4034 Highway 62 West (two miles west of the main campus), also serves as a secondary center for area high school students. The Technical Center opened for the fall semester in 2014 and is an approved site by the Arkansas Department of Career Education to provide training for area high school juniors* and seniors with the opportunity to earn college credit while still in high school.

Programs available to high school students through the ASUMH Secondary Center include:

Automotive Systems Repair / Criminal Justice / Mechatronics / Welding

**MHHSCA juniors will be required to use school provided transportation to and from the Technical Center.

Automotive Systems Repair

1013 Introduction to Automotive Technology - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the automobile from a technical perspective. Subjects covered include automotive technical career exploration, minor maintenance and safety inspection, and an introduction to technical systems. Also includes automotive history and current environmental issues associated with the automobile. Presents both theory and practice using handheld and stationary equipment in most topics. Safety incorporating OSHA standards is emphasized.

1024 Brakes and Braking Systems - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the fundamentals of basic brakes and braking systems, including hydraulic theory. Includes various disc, drum and parking brake systems. Mechanical, hydraulic, and anti-lock systems are included. Safety incorporating OSHA standards is emphasized.

1034 Suspension and Steering Systems - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the fundamentals of suspension and steering systems. Includes wheels, tires, hubs, bearings, seals, springs, front and rear alignment, and various manual and power steering systems. Includes both theory and practice in most topics. Safety incorporating OSHA standards is emphasized.

1404 Automotive HVAC Grade Level - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the theory and practice of modern vehicle heating and air-conditioning systems, including the theory of refrigeration. Various components including compressors, lines, expansion valves, condensers, evaporators, blower motors, and distribution systems are covered. Students will practice the operation, diagnosis and repair aspects of modern air-conditioning systems. Includes both theory and practice using handheld and stationary equipment in most topics. Safety incorporating OSHA standards is emphasized.

1104 Engine Performance I - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Studies fuel systems, electronic engine/emission controls, proper engine performance, tune-up and automotive safety devices. Diagnostics will be extensively covered. Knowledge needed to perform repair work in general engine diagnosis, computerized engine control diagnosis and repair, ignition and repair, and engine related service will be introduced.

2104 Engine Performance II - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Studies fuel systems, electronic engine/emission controls, proper engine performance, tune-up, and automotive safety device. Diagnostics are extensively covered. Skills needed to perform repair work in general engine diagnosis, computerized engine control diagnosis and repair, ignition systems diagnosis and repair, air/fuel and exhaust system diagnosis and repair, emission control system diagnosis and repair, and engine related service will be covered.

1304 Electrical Systems I - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the fundamentals of electricity, including electrical circuits, Ohm's Law, wiring diagrams, and common electrical symbols. Familiarization with test equipment as well as diagnosis and troubleshooting are emphasized. Safety incorporating OSHA standards is emphasized. Systems include starting, charging, microprocessor, power distribution, sensors, and actuators.

2304 Electrical Systems II Application - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Presents the fundamentals of the automotive wet cell battery, its construction, ratings, charging, testing, maintenance and safety will be covered in this course. Introduces the construction and operation of the various components of the starting system, including the starter motor, starter drives, solenoids and relays. Component testing, diagnosing and overhaul will also be covered. Presents the construction, operation and testing of the charging systems and its components and regulators. Major components of the vehicle's lighting systems, the different forms of driver warning devices, electronic instrumentation and the fundamentals of the ignition system will be taught. Testing and troubleshooting these systems will be practiced.

Welding

1024 Shielded Metal Arc Welding (SMAW/Stick) - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: MHHS Agriculture Metals
Teaches the basic knowledge required to operate shielded metal arc welding equipment, function safely in the welding shop and develop basic welding techniques. Requires students to study welding nomenclature, design of welding joints, electrode classification and practice fillet welds in the flat and horizontal position. A grade of "C" or better is required before a student may advance to WELD 1134.

1134 Intermediate Shielded Metal Arc Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: WELD 1024 Shielded Metal Arc Welding or consent of instructor
Builds on basic knowledge and skills gained in WELD 1024 Shielded Metal Arc Welding. Provides opportunity for students to gain proficiency by welding in the overhead and vertical up welding positions. A grade of "C" or better is required before a student may advance to WELD 1104 Advanced Shielded Metal Arc Welding.

1104 Advanced Shielded Metal Arc Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: WELD 1134 Intermediate Shielded Metal Arc Welding or consent of instructor
Builds on knowledge and skills gained in WELD 1134 Intermediate Shielded Metal Arc Welding. Provides students with the opportunity to learn and practice root beads, hot pass and cap in the vertical up position using 6010 and 7018 rods. Provides students will have the opportunity to test for AWS D1.1 Welding Certification (extra fee required).

1204 Gas Metal Arc Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Teaches the basic knowledge and skills required to operate Gas Metal Arc Welding (MIG) equipment, function safely in the welding shop and develop basic MIG welding skills. Provides opportunity for students to study welding nomenclature, design of welding joints and practice fillet welds in the flat and horizontal position. A grade of "C" or better is required before a student may advance to WELD 1234 Intermediate Gas Metal Arc Welding.

1404 Gas Tungsten Welding (GTAW/TIG) - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Teaches the basic knowledge and skills required to operate gas tungsten arc welding (TIG) equipment, function safely in the welding shop and develop basic TIG welding techniques. Students study welding nomenclature, design of welding joints and practice welding beads in the flat, horizontal, vertical up, and overhead positions. A grade of "C" or better is required before a student may advance to WELD 1434 Intermediate Gas Tungsten Arc Welding.

1434 Intermediate Gas Tungsten Arc Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: WELD 1404 Gas Tungsten Welding or consent of instructor
Builds on basic knowledge and skills gained in WELD 1404 Gas Tungsten Arc Welding. Students have the opportunity to gain proficiency by learning and practicing root beads, root beads with hot pass and fill and cap on mild steel. A grade of "C" or better is required before a student may advance to WELD 1504 Advanced Gas Tungsten Welding.

1504 Advanced Gas Tungsten Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: WELD 1434 Intermediate Gas Tungsten Welding or consent of instructor
Builds on knowledge and skills gained in WELD 1434 (Intermediate Gas Tungsten Arc Welding). Students have the opportunity to learn and practice high frequency TIG welding techniques on aluminum and stainless steel and will practice root beads with stainless steel rods. Students will have the opportunity to test for AWS 17.1 Fusion Welding for Aerospace (extra fee required).

1234 Intermediate Gas Metal Arc Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: WELD 1204 Gas Metal Arc Welding or consent of instructor
Builds on basic knowledge and skills gained in WELD 1204 Gas Metal Arc Welding. Provides students with the opportunity to gain proficiency by welding in the overhead and vertical welding positions. A grade of "C" or better is required before a student may advance to WELD 1304 Advanced Gas Metal Arc Welding.

1304 Advanced Gas Metal Arc Welding - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: WELD 1234 Intermediate Gas Metal Arc Welding or consent of instructor
Builds on knowledge and skills gained in WELD 1234 Intermediate Gas Metal Arc Welding. Provides students with the opportunity to learn and practice horizontal welds with dragging technique, vertical up beads, and vertical up with root, fill and cap. Provides students with the opportunity to test for AWS MIG Welding Certification (extra fee required).

MECHATRONICS/MACHINING

MACH 1004 - Introduction to Machining - CF, PA
Grade Level: 11, 12 - 1 Semester, 1 Credit
Provides an overview and foundation for persons interested in or currently employed in the machining industry or advanced manufacturing. The course provides instruction focused upon mathematics, precision measurement, quality, safety, blueprint reading, and basic machining processes. Topics covered include mathematics skills such as ratio and proportion, measurements, basic geometry, data analysis, unit analysis, algebra, probability, blueprint analysis, and right triangle trigonometry. Students will be taught the fundamentals of machine operations commonly used in machining and the manufacturing industry.

TECH 1004 - Introduction to Mechatronics - CF, PA
Grade Level: 11, 12 - 1 Semester, 1 Credit
Demonstrations, experiments and projects introduce the student to the fundamentals and synergistic application of the interdisciplinary fields of mechanical systems, fluid power, electronics and software.

TECH 1044 - Computer Aided Design (CAD) - CF, PA
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces CAD 3D fundamental concepts for constructing basic shapes and symbols to create multi-view drawings. Takes hands-on approach to 3D CAD techniques using mechanical design automation software to build parametric models of parts and assemblies. Includes techniques to make drawings of those parts and assemblies.

TECH 2424 - Hydraulic and Pneumatic Systems - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces basic hydraulics and pneumatics from the practical side with minimum emphasis on theory and mathematics. Provides the students with a working understanding of the interaction of components in a basic hydraulic and pneumatic circuit. Covers the principles underlying hydraulics and pneumatics and describes in detail cylinders, tubing, and directional pressure, and flow of control valves.

TECH 2314 - Programmable Logic Controllers - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the programmable logic controller (PLC) and associated applications. Includes numbering systems, basic gate logic, ladder relay logic diagrams, input/output modules, field devices, image tables, PLC programming and troubleshooting.

MACH 2004 - Machining I
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite or Corequisite: MACH 1004 Introduction to Machining
The primary focus of this course is to master advanced lathe turning procedures, operations and setups, built upon the basics provided in MACH 1004 Introduction to Machining. Students will be required to produce intricate parts to extremely high tolerances on various manual lathes, based off of provided blueprints. Information required to do will also be taught and applied such as precision measuring, trigonometry, algebra, and multiple-part interface. Mastery of this course provides a solid, and necessary foundation on which Machining II is built.

MACH 2014 - Machining II - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: MACH 2004 Machining I
Machining II brings students to the pinnacle of manual machining by advancing the knowledge obtained in pre-requisite courses to master vertical milling, precision grinding, inventive fixturing, and production efficiency. Participants will be required to use metal removal processes from all previous courses to create complex mechanisms to exacting tolerances, as specified by blueprints and 3 dimensional models. Upon completion, students should be able to produce any part that possesses the ability to be made with manual machining techniques.

TECH 1404 - AC/DC Electronics
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces fundamental electrical quantities and the relationships among voltage, current, resistance, and power in DC circuits as well as inductance, capacitance, impedance and phase angles in AC circuits. Includes electrical laws, and theorems related to series, parallel and combinational circuits. Topics include basic electricity and terminology, wiring methods, AC and DC generators and motors, transformers, rectification, electronic filtering and regulation, and lighting.

TECH 2154 - Industrial Mechanical Systems - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Covers the role of mechanical components in complex mechatronic systems, the flow of energy in a mechatronic system, calculation of force, accelerations, speed, torque, and basic maintenance and systems-level troubleshooting. Gears, gear drives, chain and sprocket systems, power transmission, pulley drives, synchronous drives, lubrication requirements of mechanical components, blueprint reading and analyzing technical data sheets are also included. Mechanical shafts, couplings and bearings, preventative and predictive maintenance of shafts, couplings, bushings, seals and bearings, and alignment will be covered. Also included are clutches, brakes, linear motion technology, flexible elements and troubleshooting the mechanical components in a complete mechatronic system.

MARINE MANUFACTURING

BOAT 1003 - Intro to Boat Manufacturing - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the basics of building a fiberglass boat, the different methods of boat building, the tools and equipment, and the composites used in boat manufacturing. A history of boat manufacturing and innovations in use today are discussed. Safety practices incorporating OSHA standards is emphasized.

BOAT 1014 - Basic Hand Tools / Safety - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
IIntroduces basic hand and power tools such as ratchets, wrenches, pliers, tape measurer, electric and pneumatic tools. Also includes how to properly and safely use and maintain tools. Emphasis on keeping a clean work area and the importance of safety for both the user and those around the use of tools. Safety practices incorporating OSHA standards is emphasized.

BOAT 1204 Intro to Composite Materials - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Presents the history of composite materials and defines the different types of composite materials used in boat manufacturing. Introduces tools and equipment used in working with composite materials. Describes Personal Protective Equipment (PPE) and its importance when handling raw materials. Advantages and disadvantages of various composite materials in different applications and industries are discussed. Safety practices incorporating OSHA standards is emphasized.

BOAT 1024 - Gel Coat Basics - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces gel coating, what it is and how to apply it in the workplace. Also includes how to handle, set up, and maintain gel coat equipment. Introduces the difference in poly flake and solid gel coat finishes. Safety practices incorporating OSHA standards is emphasized.

BOAT 2014 Advanced Gel Coat - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: BOAT 1104 Intermediate Gel Coat
Practices gel coat skills presented in previous classes. Introduces different methods of spray, airless systems, and pressure pot systems. Hands-on spraying of full boat molds and pulling tape is practiced. Safety practices incorporating OSHA standards is emphasized.

BOAT 1031 - Masking - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Introduces the methods of masking molds. Presents the different types of masking (pin stripe tape, fill in tape, cover tape) and how they are applied. Safety practices incorporating OSHA standards is emphasized.

BOAT 1104 - Intermediate Gel Coat - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: BOAT 1003 Intro to Boat Manufacturing
Continues development of gel coat skills by introducing techniques used in spraying small part molds such as storage boxes, live well rings, and other small fiberglass components that go into manufacturing a boat. Presents the fundamentals of spraying gel coat and the spray patterns used in applying gel coat materials. Covers how to identify errors and imperfections and introduces techniques to properly repair. Increased emphasis is placed on quality of work and improved control of gel coat equipment. Safety practices incorporating OSHA standards is emphasized.

BOAT 2314 Closed Molding Lamination - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: BOAT 1204 Intro to Composite Materials
Prerequisite or Corequisite: BOAT 1024 Gel Coat Basics
Introduces hand laying and properly tucking fiberglass on a gel coated mold for resin infusion. Also includes how to properly apply bag to mold to infuse resin into fiberglass to build a quality part. Introduces different types of fluid pumps (Injection Machine and Resin Pumps). Safety practices incorporating OSHA standards is emphasized.

BOAT 2324 Open Molding Lamination - PA, CF
Grade Level: 11, 12 - 1 Semester, 1 Credit
Prerequisite: BOAT 1204 Intro to Composite Materials
Prerequisite or Corequisite: BOAT 1024 Gel Coat Basics
Introduces different methods of lamination such as hand lay, wet out, and chopping. Familiarizes the student with operating and maintaining chopping gun and wet out systems. Presents the fundamentals of chopping and spray patterns used in applying materials. Safety practices incorporating OSHA standards is emphasized.

Aviation

These courses may be taken as career focus or practical arts credits.

Aviation I 494250 - PA, CF **Grade Level:** 9, 10, 11, 12 – 2 semesters, 2 credits This program will include instruction on the general core curriculum required by the Federal Aviation Administration.	***Aviation II 494260*** - PA, CF **Grade Level:** 10, 11, 12 – 2 semesters, 2 credits This program will include instruction on the general core curriculum required by the Federal Aviation Administration. This course will have an emphasis on Power Plant Theory, Maintenance, Systems and Components. **Aviation Department Staff** Doug Meurer

Business & Marketing Technology

These courses may be taken as career focused electives or as practical arts credits. Some may be taken as articulated credit at ASUMH

Computerized Accounting I - 492102 - PA, CF, DL
Grade Level: 9, 10, 11, 12- 1 credit, 2 semesters **Prerequisite:** Survey of Business (offered in 8th grade)
Computerized Accounting I emphasizes basic accounting principles as they relate to both manual and computerized financial systems. Instruction is on an integrated basis, using computers, spreadsheet software, and electronic calculators as the relationships and processes of manual computerized accounting are presented. Entry level skills in the accounting occupations can be attained.

Computerized Accounting II - 492112 - PA, CF, DL, M
Grade Level: 10, 11, 12- 1 credit, 2 semesters
Prerequisite: Computerized Accounting I
Completion of this course may replace the 4th math credit.
This course is designed to provide students with the knowledge, understanding, and skill necessary for college and career readiness. Departmental and corporate accounting systems are components of the course with emphasis given to computerized software and automated systems.

Principles of Banking - 492090 - PA,CF, DL
Grade Level: 9, 10, 11, 12- 1 credit, 2 semesters
Prerequisite: Survey of Business (offered in 8th grade)
Principles of Banking provides an introduction to banking services and financial institutions. Students will study principles of banking transactions and the services of a bank. Topics include: soft skills in the workplace, history of banking, Federal Reserve, banking laws, ethics, and banks as business, banking services, bank security, ten-key touch, and banking transactions.

Marketing Business Enterprise 492330 - PA, CF
Grade Level: 10, 11, 12- 1 credit, 2 semesters
Prerequisite: Survey of Business (offered in 8th grade)
Marketing Business Enterprise is a one-year course designed to offer an overview of the American business system. A study of various forms of ownership, internal organization, management functions, and financing as they relate to business. The course content focuses on the aspects of marketing and managing a small business enterprise; risk management; the use of technology; legal, ethical, and social obligations of businesses; savings and investments; taxes and government.

Medical Office Management - 492690 - PA, CF
Grade Level: 9, 10, 11, 12- 1 credit, 2 semesters
Prerequisite: Survey of Business (offered in 8th grade)
This course is designed to teach students concepts and skills that will be applied in the management and administration of a medical office. The course will focus on careers in the medical office environment, office management skills, patient billing and collections, patient client service skills, ethics, medical terminology and health information management.

Hospitality Administration - 492250 - PA, CF
Grade Level: 9, 10, 11, 12- ½ credit, 1 semester
Prerequisite: Survey of Business (offered in 8th grade)
Hospitality Administration is a one-semester in depth study of the hospitality industry. Students will become familiar with careers in hospitality and the primary segments of the hospitality industry. The importance of personal presentation, communication skills, guest satisfaction, the ability to perform basic business Math, along with basic Marketing concepts will also be covered in this course.

Arkansas Tourism Industry - 492230 - PA, CF
Grade Level: 9, 10, 11, 12- ½ credit, 1 semester
Prerequisite: Survey of Business (offered in 8th grade)
Arkansas Hospitality is a one-semester course designed to familiarize students with Arkansas careers in hospitality and the opportunities available to promote travel and tourism in the state. Emphasis will be on the food industry, transportation industry, lodging industry and tourist attractions within the various geographical locations in the state.

Tourism Industry Management - 492260 - PA, CF
Grade Level: 9, 10, 11, 12- 1 credit, 2 semester
Prerequisite: Survey of Business (offered in 8th grade)
The content includes but is not limited to customer service, management and supervisory development, management theory, decision making, organization, communications, human relations, leadership training, personnel training, travel counseling, reservationists, ticketing, tour development, security, sales, travel and tourism accounting, marketing, and convention management, applicable local, state, and federal laws and asset management.

Survey of Business- 492120 - PA, CF, DL **Grade Level:** 8, 9, 10, 11, 12 - 1 credit, 2 semesters **Prerequisite:** Keycode or Keyboarding This course is designed to introduce students to business and marketing programs of study and related technology to help students succeed in business and marketing careers. Using industry recognized software, students will focus on skills in word processing, spreadsheets, database, presentations, and cloud computing as they relate to business and marketing careers. This course will focus on skills needed to obtain Microsoft Office Specialist (MOS) certifications.	**Business and Marketing Technology Staff** Angela Crawford, CAB Emma Reed, CAB

2020-2021 and beyond
Business & Marketing Technology
Program of Study Areas

Program of Study: Accounting
Cluster: Finance
Pathway: Accounting

Course Code	Course Name	Level Sequence	Grade Level	Credit (.5 or 1)
492120	**Survey of Business**	1	9-12	1
492100	**Accounting I**	2	9-12	1
492110	**Accounting II**	3	10-12	1

Program of Study: Banking Services
Cluster: Finance
Pathway: Banking

Course Code	Course Name	Level Sequence	Grade Level	Credit (.5 or 1)
492120	**Survey of Business**	1	9-12	1
492090	**Principles of Banking**	2	9-12	1
492100	**Accounting I**	3	9-12	1

Program of Study: Hospitality and Tourism
Cluster: Hospitality and Tourism
Pathway: Travel and Tourism

Course Code	Course Name	Level Sequence	Grade Level	Credit (.5 or 1)
492120	**Survey of Business**	1	9-12	1
492260	**Tourism Industry Management**	2	9-12	1
492250 492230	**Hospitality Administration** **Arkansas Tourism Industry**	3	9-12	.5 .5

Program of Study: Medical Office Administration **Cluster: Business Management and Administration** **Pathway: Administrative Support**				
Course Code	**Course Name**	**Level Sequence**	**Grade Level**	**Credit (.5 or 1)**
492120	**Survey of Business**	1	9-12	1
492690	**Medical Office Management**	2	9-12	1
492100	**Accounting I**	3	9-12	1
Program of Study: Marketing Business Enterprise **Cluster: Marketing** **Pathway: Marketing Management**				
Course Code	**Course Name**	**Level Sequence**	**Grade Level**	**Credit (.5 or 1)**
492120	**Survey of Business**	1	9-12	1
492330	**Marketing Business Enterprise**	2	9-12	1
492350	**Marketing Management**	3	11-12	1

Career Guidance, Exploration, & Preparation
Work Based Learning

These courses may be taken as career focus or practical arts credits.

Senior Internships - 493860 - PA, CF
Grade Level: 12 - 1/2 credit per semester
Prerequisite: Instructor Approval
The internship program provides students the opportunity to intern with a local business partner for the semester where they will gain valuable real world experience. Students must apply to be part of the internship program. To be considered for an internship position a student must have demonstrated interest in the internship area through coursework and extracurricular activities. Students must be on track to graduate, be recommended by two faculty members, and must have a minimum 2.0 GPA. To qualify for a senior internship students must not have any discipline or attendance issues. Students must provide their own transportation.

Work Study - 493860 - PA, CF
Grade Level: 12 - 1/2 credit per semester
Prerequisite: Instructor Approval
The Work Study Program provides students an opportunity to meet their academic requirements for graduation while gaining valuable work experience. Students participating in this program will attend their academic classes daily and be granted a late arrival/early dismissal to participate in employment. Students must be on track to graduate and must work a minimum of 10 hours per week to qualify for this program. Students must provide their own transportation and must complete an application.

Service Learning - 496010
Grade Level: 12
Prerequisite: Instructor Approval
Service learning is designed for students who want to earn volunteer and or community service hours during the school day. Students can volunteer at different local businesses and can accumulate these service hours throughout the semester. Students are exchanging credit on their transcript for the volunteer hours. These hours can then be used for scholarship applications or for other purposes. These hours may not be counted for other service organizations at MHHS such as NHS. Students must provide their own transportation and must complete an application.

College and Career Readiness - 493880 - CF
Grade Level: 11-12 - 1/2 credit - 1 semester
College and Career Readiness is a semester course recommended for students in grades 11-12. The course content shall reflect postsecondary education and training opportunities for success at the college level or employable level. It is designed to prepare students for the actions necessary to pursue their career.

Career Practicum - (course codes vary) - CF
Grade Level: 12 - 1/2 credit per semester
Prerequisite: Instructor Approval
Career practicum is a specialized senior internship within a CTE program of study pathway. This course provides students the opportunity to intern with a local business partner for the semester where they will gain valuable real world experience. Students must apply to be part of this program and all requirements for senior internship apply to career practicum. The student must have completed at least two courses, level 1 and level 2, in a chosen CTE program of study to be eligible for this course.

Career Connections Department Staff
Cathy Beckham, ACME

Computer Science

These courses may be taken as career focus or practical arts credits.

CS Networking Year 1 - 465170 - PA, CF
Grade Level: 9, 10, 11, 12 - 1 credit, 2 semesters
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This course includes the skills required for building, troubleshooting, repairing and maintaining computers. It includes objectives in the following domains: Safety, Careers, Identifying hardware (Motherboards, Processors, Memory) Diagnostic and Troubleshooting techniques. Students will use online virtual labs to build and troubleshoot computers. Students will stay up to date with the new technology and innovations. They will identify unique computer components and determine criteria for their use. Discuss the basic concepts and procedures for creating, viewing and managing files, directories, and disks. Students will be able to perform system upgrades to various types of hardware and Operating Systems. They will understand the basic networking concepts. Students will use online virtual labs and hands on labs to build and troubleshoot computers.

CS Networking Year 2 - 465180 - PA, CF
Grade Level: 9, 10, 11, 12 -1 credit, 2 semesters
Prerequisite: CS Networking Year 1 with a C or better and a 2.5 GPA.
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This course builds on the course work from Networking Year 1 and includes the skills required for building, troubleshooting, repairing and maintaining computers. It helps prepare students for the Comp TIA IT Fundamentals certification. Students may also earn CompTIA's A+ certification after completing Comp Sc: Network/Hardware IIB and additional training. Students will use online virtual labs to build and troubleshoot computers. It includes objectives in the following domains: operating systems, security, troubleshooting and preventive maintenance, and Green IT. Students will stay up to date with new technology and innovations. This course helps prepare students for the CompTia IT A+ certification. Students will use online virtual labs to build and troubleshoot computers. Hands-on labs will also be utilized to bring real world experience and relevance to the course material.

CS Independent Study Networking 465930 - PA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: CS Networking Years 1 and 2 with a C or better and a 2.5 GPA
A Computer Science and Computing Independent Study Program shall be designed to enrich the student's computer science educational experience. The student will be required to develop an educational plan, submit it to a local advisor or advisory board responsible for reviewing, monitoring, and approving the plan. The student will produce a final product for presentation.

CS Programming Year 1 - 465070 - PA, CF, DL
Grade Level: 8, 9, 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Algebra 1 or concurrently
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This course is designed to provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving, Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global and Ethical Impacts.
This course will also provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global, and Ethical Impacts.

CS Independent Study Programming - 465930 - PA, CF, DL
Grade Level: 11, 12 - 1 credit, 2 semesters
Prerequisite: Computer Science Programming- Year 1 and 2 with a C or better in these courses and a 2.5 GPA
A Computer Science and Computing Independent Study Program shall be designed to enrich the student's computer science educational experience. The student will be required to develop an educational plan, submit it to a local advisor or advisory board responsible for reviewing, monitoring, and approving the plan. The student will produce a final product for presentation.

CS Programming Year 2 - 465080 - PA, CF, DL
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Computer Science Programming-Year 1 with a C or better and a 2.5 GPA.
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This class is a continuation of Computer Science-Year 1, in computer science that is necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global, and Ethical Impacts. Students will learn more sophisticated coding skills and work towards designing complete and functional mobile phone apps.

AP Computer Science A - 565130 - PA, CF, DL
Grade Level: 11, 12
Prerequisite: Computer Science Programming-Years 1 & 2 with a C or better and a 2.5 GPA. Must have completed Algebra II or teacher approval.
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

Computer Science Department Staff
Bradford Young, ACME
Ronald Bergenstock, CAB

2022-2023 and beyond
Computer Science
Program of Study Areas

Program of Study: Computer Science
Cluster: Information Technology
Pathway: Programming & Software Development

Course Code	Course Name	Level Sequence	Grade Level	Credit (.5 or 1)
465170 or 465070	**Networking Year 1** or **Programming Year 1**	1	9-12	1
465180 or 465080 or 565130	**Networking Year 2** or **Programming Year 2** or **AP Computer Science A**	2	9-12	1
465930	**Independent Study**	3	10-12	1

Criminal Justice

These courses may be taken as career focus or practical arts credits.

Introduction to Criminal Justice - 494620 - CF, PA
Grade Level: 9, 10, 11, 12 - 2 semesters, 1 credit
This course provides the historical background of the agencies that compose the criminal justice system. It focuses on the development of justice and law, crime and punishment, the administration of laws, the agencies' functions, career orientation, and public relations.

Foundations of Law Enforcement - 494630 - CF, PA
Grade Level: 10, 11, 12 - 1 semester, 1 credit
Concurrent Credit from ASUMH
This course is designed to teach students the necessary background and practical skills to function as law enforcement officers. Topics reviewed in lecture and in applied exercises include administration of justice, basic law and procedures and patrol functions.

Criminal Justice Department Staff
Doug Meurer

CRJ 1003 Fundamentals of Criminal Justice - 590730 - CF, PA
Grade Level: 9, 10, 11, 12 - 1 Semester, 1 Credit
Concurrent Credit from ASUMH
Fundamentals of Criminal Justice introduces students to the criminal justice system by describing the various agencies of the American criminal justice system and the procedures used to identify and treat criminal offenders. Explores and analyzes the critical issues in criminal justice and their impact on the justice system by focusing on critical policies and issues.

CRJ 2233 Criminal Law I - CF, PA
Grade Level: 9, 10, 11, 12 - 1 Semester, 1 Credit
Concurrent Credit from ASUMH
Provides students with an introductory survey of criminal law relevant to a wide variety of occupations within the various areas of criminal justice. The course would incorporate the basic concepts and doctrines of criminal law in the United States: culpability, causation, homicide, justification and excuse, constitutional limitations on criminal law, attempt, complicity, and conspiracy.

CRJ 1223 Police Organization and Administration - 590740 - CF, PA
Grade Level: 9, 10, 11, 12 - 1 Semester, 1 Credit
Concurrent Credit from ASUMH
Introduces students to the various components of police organization and administration. Examines multiple organization strategies used in policing and organization structures. Topics include historical perspectives, police roles, police management, planning, performance measurement, and general organization principles and doctrines as applied to all aspects of police functions and management.

CRJ 2033 Juvenile Delinquency - CF, PA
Grade Level: 9, 10, 11, 12 - 1 Semester, 1 Credit
Concurrent Credit from ASUMH
Introduces students to the various components of the American juvenile justice system. Featured topics include historical perspectives, causation, environmental influences, juvenile justice processes, definition and extent of delinquency, and prevention treatment methodologies.

Program of Study:	Criminal Justice			
Cluster:	Law, Public Safety, Corrections, and Security			
Pathway:	Law Enforcement Services			
Course Code	**Course Name**	**Level Sequence**	**Grade Level**	**Credit (.5 or 1)**
494620	**Introduction to Criminal Justice**	1	9-12	1
494630	**Foundations of Law Enforcement**	2	9-12	1
494600 494610	**Crime Scene Investigation** **Criminal Law**	3	9-12	1

Engineering

These courses may be taken as career focus or practical arts credits.

Engineering I 493960 - PA, CF
Grade Level: 10, 11, 12 – 2 semesters, 1 credit
Innovations in Science in Technology is a broad-based survey course designed to help students understand the field of engineering and engineering technology and its career possibilities. Students will develop engineering problem-solving skills that are involved in post-secondary education programs and engineering careers. They will explore various engineering systems and manufacturing processes. They will also learn how engineers address concerns about the social and political consequences of technological change. The main purpose of this course is to experience through theory and hand-on, problem-solving activities what engineering is all about and to answer the question, "Is a career in engineering or engineering technology for me?

Engineering II 493970 - PA, CF
Grade Level: 11, 12 – 2 semesters, 1 credit
Prerequisite: Engineering I
Students have an opportunity to investigate engineering and develop skills and understanding of course concepts through activity, project, and problem-based learning. Using a team approach, students will hone their skills, creative abilities, and problem solving skills based upon engineering concepts.

Engineering III 493980 - PA, CF
Grade Level: 12 – 2 semesters, 1 credit
Prerequisite: Engineering I and II
A continuation of Engineering II.

Engineering Department Staff
Will Norris, HHS

Program of Study: Pre-Engineering
Cluster: STEM
Pathway: Engineering and Technology

Course Code	Course Name	Level Sequence	Grade Level	Credit (.5 or 1)
493960	**Engineering I**	1	10-12	1
493970	**Engineering II**	2	11-12	1
493980	**Engineering III**	3	12	1

Family and Consumer Science

These courses may be taken as career focus or practical arts credits.

Child Care & Guidance, Management & Services 493010 - PA, CF

Grade Level: 11, 12 – 2 semesters, 1 credit

Prerequisite: Family & Consumer Science and Child Growth and Development

Experiences in this course are designed to provide students with information and experiences in the occupational field of childcare and guidance management and services. Employment opportunities include childcare and guidance, foster care/family child care, and teacher assistants. Emphasis in this course is given to development of competencies related to employment, understanding the child-care profession, child development, health and safety of children, guiding children's behavior, caring for children with special needs and problems, planning management of a child-care program, and the effect of technology in child care guidance management and services. During the second semester, students must complete a 40 hour pre-employment lab at a local childcare facility. Students are required to pay for maltreatment checks and must have their own transportation to and from the childcare facility. The class is limited to 15 students and they must complete the application process. This is a required course to be a completer in the Human and Social Services Program of Study. (see below)

Family and Consumer Science - 493080 **-** PA, CF

Grade Level: 8, 9, 10, 11, 12 – 2 semesters, 1 credit

This level 1 course is designed to provide students with basic information and skills needed to function effectively within the family and within a changing, complex society. Emphasis is given to family and individual health; relationships; arrangement of living space; wardrobe planning; garment care and construction; child development; nutrition, meal planning and preparation: money management; computer use; and career skills.

Upon completion of the course, the student should have developed basic life skills that promote a positive influence on the quality of life. This is a required course to be a completer in the Human and Social Services Program of Study. (see below)

Life and Fitness Nutrition - 493200 - PA, CF

Grade Level: 11-12, Credit: 1

Prerequisite: Family and Consumer Sciences and Food Safety and Nutrition

Life Fitness Nutrition is a Level 3 course in the Nutrition Science and Dietetics program of study. It enables students to analyze the interaction of nutrition, foods, and fitness for overall wellness. In this course, students will develop nutrition and fitness habits to make wise decisions regarding healthy living. The course is for students with interests in sports health and nutrition, health and wellness, fitness, foods and nutrition, and dietetics related career pathways.

Child Growth and Development - 493020 - PA, CF

Grade Level: 9, 10, 11, 12 - 2 semesters, 1 credit

(formerly Child Development and Parenting, then Lifespan Development)

Prerequisite: Family and Consumer Sciences

This course focuses on skills needed to guide the physical, intellectual, emotional and social development of children. Emphasis is given to the development of competencies related to the study of children, pregnancy and prenatal development, birth and the newborn, types of growth and development, stages of growth and development, needs of children, factors influencing the behavior of children, children with special needs, coping with crisis, the effects of technology on child development, and careers related to the area of child development. In addition, experiences are designed to assist students in developing an understanding of the parenting process and of parenting skills, the parenthood decision, costs of having and raising a child, the promotion of child growth and development, effects of heredity and environment on development, rights and responsibilities of parents and children, providing nurturance, guidance techniques for promoting positive behavior, prevention of child abuse and neglect, promoting health and safety of children, caring for the sick or injured child, parenting a "special needs" child, helping children cope with crises, choosing professionals to help with parenting problems, selection of child-care services, and jobs and careers in child and family services. This is a required course to be a completer in the Human and Social Services and the Pre-Educator Program of Study.

Food Production, Management & Services - 493120 - PA, CF

Grade Level: 10, 11, 12 - 2 semesters, 1 credit

Prerequisite: Family and Consumer Sciences and Food Safety and Nutrition

Emphasis in this course is given to the development of competencies related to employability; technology in food production, management and services; sanitation and safety; nutrition as related to food service; serving of food; purchasing, receiving and storing of food supplies; production and management of food; use, care and storage of large and small commercial food service equipment; menu planning and modified diets. This is a required Course to be a completer in the Culinary Arts and Food Production Management and Services Program of Study.

Food Safety and Nutrition - 493110 **-** PA, CF
Grade Level: 10, 11, 12 – 2 semesters, 1 credit
Prerequisite: Family and Consumer Sciences
This course focuses on the development of essential food safety practices needed to select, receive, store, prepare and serve food, as well as the skills needed to select food which meets nutritional needs of individuals and families. Students will learn to create and implement an environment of food safety procedures based on the latest FDA Food Code and local regulations. Emphasis is given to the development of competencies related to nutrition, weight control, the food consumer and the effect of technology on food and nutrition. With completion of this course, students should be able to apply sound sanitation practices and to apply sound nutritional practices which will have a positive effect on their health. Skills learned are applicable to the National Restaurant Association, ServSafe Certification. This is a required course to be a completer in the Culinary Arts and Food Production Management and Services Program of Study (see below).

Introduction to Education - 493240 – PA, CF
Grade Level: 10, 11, 12 – 2 semesters, 1 credit
Introduction to Education is designed with the intent to prepare high school students to become prospective Arkansas teachers. Students in this course will study the foundations of American education including important historical moments and acts, professional behavior, student needs and diversity, instructional methods, communication strategies for all stakeholders, and reflective practices to support learning. Students will collaborate with an Arkansas teacher to actively participate in classroom observations and field experience opportunities. This course requires 30 hours of field experience.

Education Technology - 493290 – PA, CF
Grade Level: 11, 12 – 2 semesters, 1 credit
Prerequisite: Introduction to Education
Education Technology is a project-based course that introduces students to the role of technology in the classroom. Students will explore various technologies being used as digital learning tools in multiple modes of learning including online, face-to-face, and hybrid classroom environments. This course will expose students to the skills and strategies needed to integrate technology into the classroom, develop methods of digital communication and collaboration, support practices for digital citizenship, and reflect on their own performance in a digital environment. Students are expected to gain field experience by completing classroom observations, both online and face-to-face, with a licensed Arkansas teacher and to complete an initial Google certification to become a Google certified Educator. This course requires 25 hours of field experience. The students will have the opportunity to obtain the ParaProfessional certification and will be CPR certified.

Family and Consumer Science Department Staff
Kim Fowler, HHS
Melissa Czeschin, CAB

2020-2021 Family and Consumer Sciences Program of Study Areas

Program of Study: Human & Social Services
Cluster: Human Services
Pathway: Family and Community Services

Course Code	Course Name	Level/ Sequence	Grade Level	Credit (.5 or 1)
493080	**Family & Consumer Sciences**	1	8-12	1
493020	**Child Growth and Development** (formerly Child Development and Parenting then Lifespan Development)	2	9-12	1
493010	**Child Care Guidance, Management, and Services**	3	11-12	1

Program of Study: Nutrition Science and Dietetics
Cluster: Human Services
Pathway: Family and Community Services

Course Code	Course Name	Level/Sequence	Grade Level	Credit (.5 or 1)
493080	**Family and Consumer Sciences**	1	8-12	1
493110	**Food Safety and Nutrition**	2	9-12	1
493200	**Life and Fitness Nutrition**	3	11-12	1

Program of Study: Food Production, Management, and Services
Cluster: Hospitality and Tourism
Pathway: Restaurant and Food and Beverage Services

Course Code	Course Name	Level/Sequence	Grade Level	Credit (.5 or 1)
493080	**Family and Consumer Sciences**	1	8-12	1
493110	**Food Safety and Nutrition**	2	9-12	1
493120	**Food Production, Management, and Services**	3	10-12	1

Program of Study: Pre-Educator
Cluster: Education & Training
Pathway: Teaching and Training

Course Code	Course Name	Level/Sequence	Grade Level	Credit (.5 or 1)
493020	**LifeSpan Development** (formerly Child Development and Parenting)	1	9-12	1
493240	**Foundations of Teaching** (formerly Orientation to Teaching I)	2	10-12	1
493290	**Methods of Teacher Instruction** (formerly Orientation to Teaching II)	3	11-12	1

2022-2023 Family and Consumer Sciences
Program of Study Areas

Program of Study: Pre-Educator
Cluster: Education & Training
Pathway: Teaching & Training

Course Code	Course Name	Level/ Sequence	Grade Level	Credit (.5 or 1)
493240	**Introduction to Education**	1	10-12	1
493290	**Education Technology**	2	11-12	1
493020	**Child Growth and Development**	3	9-12	1

Fine Arts

One-half credit is required for graduation with additional credits becoming electives.

Introduction to Art - 450000 - FA, CF
Grade Level: 10, 11, 12 — 2 semesters, 1 credit
Art I is a two-semester course designed to teach students to apply the elements of art and principles of design to the creative process. Students are expected to use a variety of media, techniques, processes, and tools to compose original works of art that demonstrate understanding of the elements of art and principles of design, awareness of aesthetic concerns, and the ability to communicate ideas through artwork. Students will exhibit artwork and will assemble portfolios.
If you successfully completed Art I at MHJH you need to take Art II. Art at the 8th grade level does not count.

Art II - 450030 - FA, CF
Grade Level: 10, 11, 12 — 2 semesters, 1 credit
Prerequisite: Art I (JH Art I counts, but NOT 7th or 8th grade art.)
Students will build on what they learned in Art I and will also experiment and learn new media and techniques. Students will develop a quality and expressive sketchbook and will continue to learn to critique art, communicate ideas and problem solve. A quality portfolio will be developed as well as an expressive sketchbook that contains work that meets the sketchbook challenges as well as plans and free drawings. Students will be challenged to refine art making techniques and styles.

Art III- 450040 - FA, CF
Grade Level: 11, 12 -— 1 credit, 2 semesters
Prerequisite: Successful completion of Art II
Students will build off the previous two years in art. They will begin to focus on what they do best but also work with other materials, tools, and techniques. They will use a variety of techniques, processes, and tools to create artwork. Students will be challenged more than in previous classes. They will search for and discover art in the environment and will build portfolios and demonstrate personal growth.

Vocal Ensemble (Treble Choir) II - 452040, III - 452050, IV - 452060 - FA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
A non-auditioned female choir that requires no previous choral experience. Open to all high school Sopranos and Altos. This choir will learn basic vocal and choral techniques and will perform at least 2 concerts per year.

Vocal Ensemble (Treble Choir) II - 452040, III - 452050, IV - 452060 - FA, CF
Grade Level: 9, 10, 11, 12 - 1 credit, 2 semesters
A non-auditioned male choir that requires no previous choral experience. Open to all junior high and high school Tenors and Basses. This choir will learn basic vocal and choral techniques and

Art IV - 450050 - FA, CF
Grade Level: 12 - 1 credit, 2 semesters
Prerequisite: Successful completion of Art III
Students will continue to build a quality sketchbook that will reflect problem solving and planning. Students will research art styles and identify the style, processes, and media that is best for them. Artwork will reflect growth from the previous four years.

Art History I- 450060 - FA, CF
Grade Level: 10, 11, 12 — 1/2 credit, 1 semester
Art History I is a one-semester course designed to teach students the significance of art throughout history. Students in Art History I will examine periods of art history from around the world, with emphasis on art from ancient civilizations, classic civilizations, the Middle Ages, and the Early and High Renaissance. Students will examine characteristics of art including themes, artists, major artworks, and media and processes involved in creating artwork that is unique to each period of art. Students will also explore societal influences on art from each period as well as the impact art from each period has had on society. Students will apply basic terminology and higher order thinking skills to respond to and to draw inferences from artwork and artists from each period of art history. This course meets the required ½ fine arts credit needed for graduation. No prerequisites are required.

Sculpture 450600 - FA, CF
Grade Level: 10, 11, 12 — 1 credit, 2 semesters
Prerequisite: Successful completion of Art I (starting in 9th grade)
Sculpture is a two-semester course designed to teach students to apply the elements of art and the principles of design. Students are expected to use a variety of media, techniques, processes, and tools to create original sculpture that demonstrates understanding of aesthetic concerns and complex compositions. Students will create, critique, reflect, and make connections to sculpture. Students will exhibit original sculpture and develop portfolios that reflect their personal growth.

Concert Choir II - 452040, III - 4520505, IV - 452060 - FA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Concert Choir is an audition-only ensemble of female and male singers. Members of the Concert Choir will participate in All-Region competitions, as well as Choral Performance Assessment. This choir will present at least 3 concerts per year.

will perform at least 2 concerts per year.

Chamber Singers II - 452040, III - 4520505, IV - 452060 - FA, CF

Grade Level: 10, 11, 12 - 1 credit - 2 semesters

The MHHS Chamber Choir is a small, audition-only female and male choir that performs the most advanced choral music. Members of the Chamber Choir are required to audition for All-Region, and if applicable, All State Choir competitions. This choir also will participate in Region and State Choral Performance Assessments. Chamber Choir will present at least 3 concerts per year and will also be a traveling group which will perform for various community events.

Instrumental Music (Band II - 451040, III - 451050, IV - 451060) - FA, CF

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

The Mountain Home Band Program has long been recognized as one of the outstanding programs in Arkansas. The MHHS Band has consistently given award-winning performances in both concert & marching competitions throughout the state, region, and on the national stage. The band has been an integral part of community events for over seventy years and is an important part of the history of our area. It is one of the most colorful and active groups on campus. Organizations within the band include marching band, concert band, pep band for football and basketball, jazz band, and small ensembles. Course is open to all students with previous band experience. This course is double-blocked (required) for the fall semester for marching band. Students may choose to single-block for concert band for the second semester. Students receive ½ credit per semester.

AP Music Theory - 559010 - FA, CF

Grade Level: 10, 11, 12 - 1 credit, 2 semesters

This yearlong course teaches a wide array of musical concepts. Along with music theory and beginning composition the students also deal with aural skills, dictation and sight singing. Students learn the basics of music notation and score analysis along with knowledge of basic tonal harmony. This course develops a student's ability to recognize, understand, analyze and describe the aspects and processes of music that is heard or seen on a score. Students engage in a variety of written, singing and compositional exercises that teach them the many aspects of composition and analysis. The primary goal of the course is to prepare students to take the AP theory exam. Students who pass may earn college credit at a number of colleges and universities.

Theatre I - 459100 - FA, CF

Grade Level: 9, 10, 11, 12 - 1 credit, 2 semesters

Theatre I is a two-semester course in which students learn and demonstrate mastery of theatre academic and performance skills. At the Theatre I level, students will explore theatre fundamentals, analyze and interpret scripts, evaluate artistic work, and use those evaluations to deepen the meaning of their work. Theatre I contains an introduction to stagecraft skills. This course fulfills the .5 fine arts credit required for graduation.

Theatre II - 459110, III - 459120, and IV - 559160 - FA, CF

Grade Level: 10, 11, 12 - 1 credit, 2 semesters

Prerequisite: Successful completion of Theatre I & teacher approval

Theatre II, III, and IV are two-semester courses which expand the knowledge and performance base of Theatre I. In Theatre II, III, and IV students will focus on the practical application of skills developed in Theatre I. Students will take on more complex projects and may begin to develop directorial skills. Ultimately, students will make artistic decisions using multiple forms of inspiration, particularly focusing on social, cultural, and historical context.

Costume Design I - 459280 and II - 459290 - FA, CF

Grade Level: 9, 10, 11, 12

Costume Design I and II are two-semester courses that are designed to enable students to master the technical theatre specialty of costuming. Mastery in costume design means discovering the creative elements of design and constructions, knowing the terminology and historical background that is used to comprehend technical theatre, having a clear sense of what costuming embodies, and being able to reflect, critique, and connect personal experience to the theatre.

Technical Theatre I - 459240 and II - 459250 - FA, CF

Grade Level: 9, 10, 11, 12 — 1 credit, 2 semesters

Technical Theatre is a two semester course which provides students with experience in all elements of technical theatre. This includes scenery, props, lighting, sound, costume and makeup. Students will generate ideas and original tangible works. Students must be responsible for handling and safely operating a variety of tools used for construction.

Fine Arts Department Staff

Tom Chentnik, CAB
Tori Rudolph, CAB
Steve Hargett, CAB
Christy Lawrence, HHS
Karen Maupin, CAB

2022-2023 Fine Arts Concentrations - Four Credits

Visual Art (4 credits)

- ***Introduction to Art - 450000 (Art 1)*** - FA, CF **Grade Level:** 9, 10, 11, 12 — 2 semesters, 1 credit
- ***Art II - 450030*** - FA, CF **Grade Level:** 10, 11, 12 — 2 semesters, 1 credit **Prerequisite:** completion of Art I
- ***Art III- 450040*** - FA, CF **Grade Level:** 11, 12 -— 1 credit, 2 semesters **Prerequisite:** completion of Art II
- ***Art IV - 450050*** - FA, CF **Grade Level:** 12 - 1 credit, 2 semesters **Prerequisite:** completion of Art III
- ***Art History I - 450060*** - FA, CF **Grade Level:** 10, 11, 12 **—** 1/2 credit, 1 semester **Prerequisite:** none
- ***Art History II -*** *(Junior High)*- FA, CF **Grade Level:** 9 **—** 1/2 credit, 1 semester **Prerequisite:** none
- ***Sculpture 450600*** - FA, CF **Grade Level:** 10, 11, 12 **—** 1 credit, 2 semesters **Prerequisite:** completion of Art I

Instrumental Music (4 credits)

- ***Instrumental Music (Band II - 451040, III - 451050, IV - 451060)*** - FA, CF **Grade Level:** 10, 11, 12 — 1 credit, 2 semesters each level

Vocal Music (4 credits)

- ***Treble Choir*** - FA, CF **Grade Level:** 10, 11, 12 - 1 credit, 2 semesters
- ***Concert Choir*** - FA, CF **Grade Level:** 10, 11, 12 - 1 credit, 2 semesters
- ***Chamber Singers*** - FA, CF **Grade Level:** 10, 11, 12 - 1 credit - 2 semesters
- ***AP Music Theory - 559010*** **-** FA, CF **Grade Level:** 10, 11, 12 - 1 credit, 2 semesters

Theatre (4 credits)

- ***Theatre I - 459100*** - FA, CF **Grade Level:** 9, 10, 11, 12 - 1 credit, 2 semesters
- ***Theatre II - 459110, III - 459120 and IV - 559160*** - FA, CF **Grade Level:** 10, 11, 12 - 1 credit, 2 semesters each level
- ***Costume Design I and II - 459280, 459290*** - FA, CF **Grade Level:** 9, 10, 11, 12 - 1 credit, 2 semesters
- ***Technical Theatre I and II - 459240, 459250*** - FA, CF **Grade Level:** 10, 11, 12 — 1 credit, 2 semesters

Foreign Language

Two credits of the same language are required for the Smart Core diploma.

German I - 442000 - CF
Grade Level: 9, 10, 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in English class of the preceding year is required or teacher recommendation. Successful completion of the first and second levels of this language meet requirements of Smart Core Diploma track. Students enrolling in this course should possess a high desire for learning a foreign language.
The purpose of this beginning language course is to introduce students to German vocabulary and grammar as a foundation for building communicative and cultural proficiency. Students will participate in verbal, aural and written exercises using games, songs and/or videos to improve proficiency in the language. They will be exposed to German history, geography, and culture through engaging projects and activities.

German II - 442010 - CF
Grade Level: 10, 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in German I or teacher recommendation. Successful completion of the first and second levels of this language meet requirements of Smart Core Diploma track. Students enrolling in this course should possess a high desire for learning a foreign language.
This course, which is a continuation of German I, concentrates on the learning of grammar, conversation, reading, and writing. It encourages the creativity of the student with independent writing of dialogues and conversation. It enhances reading skills with gradual increase in length and complexity of subject matter. Culture and customs are interwoven through all work.

German III - 442030 - CF
Grade Level: 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in German I and German II or teacher recommendation
This course uses the vocabulary, structure, and cultural achievement of the first two years as a basis. It is a review, reinforcement, and expansion of all areas of previous language learning in order to lead the students to express opinions and become involved in various topics of German. Numerous topics provide an in-depth view of current German attitudes and opinions within the framework of the language with which the students are now very familiar and at ease. The sense of accomplishment is foremost in this level of language learning.

Spanish I - 440000 - CF
Grade Level: 9, 10, 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in English class of the preceding year is required or teacher recommendation. Successful completion of the first and second levels of this language meet requirements of Smart Core Diploma track. Students enrolling in this course should possess a high desire for learning a foreign language.
The purpose of this beginning language course is to introduce students to Spanish vocabulary and grammar as a foundation for building communicative and cultural proficiency. Students will participate in verbal, aural, and written exercises using games, songs, and/or videos to improve proficiency in the language. They will be exposed to the geography and culture of Spanish-speaking countries through engaging projects and activities.

Spanish II - 440020 - CF
Grade Level: 10, 11,12 — 1 credit, 2 semesters
Prerequisite: C average or higher in Spanish I or teacher recommendation. Successful completion of the first and second levels of this language meet requirements of Smart Core Diploma track. Students enrolling in this course should possess a high desire for learning a foreign language.
This course, which is a continuation of Spanish I, concentrates on the learning of grammar, conversation, reading, and writing. It encourages the creativity of the student with independent writing of dialogues and conversation. It enhances reading skills with gradual increase in length and complexity of subject matter. Culture and customs are interwoven through all work.

Spanish III - 440030 - CF
Grade Level: 11,12 — 1 credit, 2 semesters
Prerequisite: C average or higher in Spanish I and Spanish II or teacher recommendation
This course uses the vocabulary, structure, and cultural achievement of the first two years as a basis. It is a review, reinforcement, and expansion of all areas of previous language learning in order to lead the students to express opinions and become involved in various topics of Spanish. Numerous topics provide an in-depth view of current attitudes and opinions within the framework of the Spanish language with which the students are now very familiar and at ease. The sense of accomplishment is foremost in this level of language learning.

French I - 441000 - CF
Grade Level: 9, 10, 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in English class of the preceding year is required or teacher recommendation. Successful completion of the first and second levels of this language meet requirements of Smart Core Diploma track. Students enrolling in this course should possess a high desire for learning a foreign language.
The purpose of this beginning language course is to introduce students to French vocabulary and grammar as a foundation for building communicative and cultural proficiency. Students will participate in verbal, aural, and written exercises using games, songs, and/or videos to improve proficiency in the language. They will be exposed to French history, geography, and culture through engaging projects and activities.

French II - 441010 - CF
Grade Level: 10, 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in French I or teacher recommendation. Successful completion of the first and second levels of this language meet requirements of Smart Core Diploma track. Students enrolling in this course should possess a high desire for learning a foreign language.
This course, which is a continuation of French I, concentrates on the learning of grammar, conversation, reading, and writing. It encourages the creativity of the student with independent writing of dialogues and conversation. It enhances reading skills with gradual increase in length and complexity of subject matter. Culture and customs are interwoven through all work.

French III - 441030 - CF
Grade Level: 11, 12 — 1 credit, 2 semesters
Prerequisite: C average or higher in French I and French II or teacher recommendation
This course uses the vocabulary, structure, and cultural achievement of the first two years as a basis. It is a review, reinforcement, and expansion of all areas of previous language learning in order to lead the students to express opinions and become involved in various topics of French. Numerous topics provide an in-depth view of current French attitudes and opinions within the framework of the language with which the students are now very familiar and at ease. The sense of accomplishment is foremost in this level of language learning.

Foreign Language Department Staff
Christy Lawrence, Department Chair, HHS
Chris Francis, ACME
David Rodriguez, ACME
Shannon Wescoat, HHS

Foreign Language Concentrations

Students who complete three levels of the same language with a grade of C or above per semester will qualify to complete a Foreign Language Concentration in one or more of the following:

French (French I, II, and III)

German (German I, II, and III)

Spanish (Spanish I, II, and III)

All courses must be seated courses on the MHHS campus taught by MHHS foreign language teachers.

Language Arts

Four credits of English are required. Oral communications is also required for graduation.

English I - 410000 - E
Grade Level: 9- 2 semesters, 1 credit
Prerequisite: Successful completion of the previous level of English
Open to students who have failed to earn credit for English I and must recover that credit in order to advance to English II.

English II - 411000 - E
Grade Level: 10- 2 semesters, 1 credit
Prerequisite: Successful completion of the previous level of English
Major emphasis for the course will be on the development and improvement of both writing and reading skills.

English III - 412000 - E
Grade Level: 11- 2 semesters, 1 credit
Prerequisite: Successful completion of the previous level of English
Major emphasis for the course will be on the development and improvement of both writing and reading skills. Primary focus is on American Literature.

English IV - 413000 - E
Grade Level: 12— 2 semesters, 1 credit
Prerequisite: Successful completion of the previous level of English.
Major emphasis for the course will be on the development and improvement of both writing and reading skills. Primary focus is on British Literature.

Honors English II - 411000 - E
Grade Level: 10 - 2 semesters, 1 credit
Honors English is designed for those students who already have good control of basic grammar skills and who are interested in intensive literary analysis. Major emphasis is given to the writing of essays related to the literature studied; the development of critical thinking skills will receive special attention. Students will be required to read extensively outside of class. Although enrollment is open to all students, those interested in Honors English should consider the following criteria: achievement test scores, past performance in English classes, and teacher recommendation. Honors English is strongly recommended as preparation for AP English courses.

AP English Literature and Composition - 517040 - E, CF
Grade Level: 12- 2 semesters, 1 credit
This is a class designed for students who wish to pursue college-level studies while in high school. Participating colleges will grant college credit in English to those students who do well on the Advanced Placement Test, which is taken at the end of the course. Students will be expected to take the test. In the course, students will be required to accomplish intense college-level reading, writing, interpretation, and critical thinking. Although enrollment is open to all students, Pre-AP courses are strongly recommended. If a student has not taken Pre-AP courses, he/she must be interviewed and supply writing samples. ***If one achieves the minimum score on the AP testing at the end of this course, many universities will grant authorized credit/placement. Check the handbook of that institution for more information because each sets its own criteria.***

AP English Language & Composition - 517030 - E, CF
Grade Level 11 - 12: 2 semesters, 1 credit
AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situation, claims and evidence, reasoning and organization, and style. This course utilizes the Summit Platform along with teacher created and AP Classroom curriculum. Participating colleges will grant college credit in English to those students who do well on the Advanced Placement Test, which is taken at the end of the course. Students will be expected to take the test to earn the AP credit for graduation. Although enrollment is open to all students, Pre-AP courses are strongly recommended. If one achieves the minimum score on the AP testing at the end of this course, many universities will grant authorized credit/placement. Check the handbook of the institution for more information because each sets its own criteria.

Transitional Literacy Ready - 496030 - CF
Grade Level: 10, 11, 12
Prerequisite: Counselor approval based on test scores
This course is an innovative, dynamic course built to help students master the literacy skills needed for three core subject areas — English, social science and science. This course is suited for students who have not been determined as college
ready. The course is built with rigor, innovative instructional strategies, and a concentration on contextual learning that
departs from procedural memorization and focuses on engaging the students in a real-world context. This course will not replace one of the 4 English credits required for graduation.

Personal Communications - 414200

Grade Level: 10, 11, 12 — 1 semesters, .5 credit

Personal Communication (0.5 Credit) will provide students with an understanding of the dynamics of effective communication while speaking, listening, and responding in the situations they encounter in day-to-day life. Students will practice communication competencies in both intrapersonal and interpersonal environments, prepare for both informal and formal communication, and participate in a variety of formal and informal personal communication experiences. This course will include, but is not limited to, responsible social media usage, communication barriers, mass media, conflict resolution, and research and organization skills. Students will participate in collaborative discussions and deliver informal and formal addresses. Personal Communication (0.5) fulfills the 0.5 unit of Oral Communication required for graduation. Personal Communication (0.5 Credit) does not require Arkansas Department of Education approval.

Library Skills - 970110

Grade Level: 12 (10th and 11th with librarian permission)

1 credit, 2 semesters

Prerequisite: Principal or library recommendations. Course is limited to 2 students.

The purpose of this course is to help students use a library more effectively. Through individualized instruction and on the job training, students will learn more about the general operations of a library, technology use and computers, information sources, how to develop special projects, and how to assist patrons seeking information, reading and research guidance. The student will aid the library staff in various aspects of a quality library program including circulation, shelving, processing materials, publicity, promotion and special programs. Grades are based on practical aspects of the job including dealing with and respecting patrons, completion of assigned tasks and projects, following written and verbal directions and assigned shelving. Each student will be given a semester final exam. Students who take this course need to show evidence of a strong sense of responsibility, self motivation and excellent attendance.

ASUMH Comp I - 519931 - E, CF

Grade Level: 11, 12 **-** 1 semester, 1 credit

3 college hours from ASUMH

Substitutes for English III or IV at MHHS. ***No student should sign up to take this course if he or she does not already have a 19 ACT score in English and Reading***. Students will Study and practice the fundamentals of written communication with an emphasis on the various types of essays. If a student drops a college course at MHHS, he/she must also drop the course at ASU. If the course is not dropped at ASU, the student will receive an F on his/her college transcript.

ASUMH Comp II - 519942 - E, CF

Grade Level: 11, 12 - 1 semester, 1 credit

3 college hours from ASUMH

Prerequisite: Successful completion of Comp I with a C or better

Substitutes for English IV at MHHS. Based on reading and discussion of various types of writing, the students' essays will provide practice in different kinds of rhetorical development including research and documentation. If a student drops a college course at MHHS, he/she must also drop the course at ASUMH. If the course is not dropped at ASUMH, the student will receive an F on his/her college transcript.

Language Arts Department Staff

Haley Mattick, Department Chair, ACME
Hannah Blevins, CAB
Jennifer Drewry, HHS
Sydney Lind, CAB
Teresa Madison, CAB
Trevor Proctor, HHS
Tammye Quick, CAB

Mathematics

Four credits are required for graduation.

Geometry - 431000 - M
Grade Level: 10, 11, 12 - 2 semesters, 1 credit
Prerequisite: Algebra I
Geometry is the second required math course for graduation. It is designed to introduce and explore the basic concepts of space. Geometry combines plane, spatial and coordinate geometry. The Geometry course focuses on concepts such as congruence, similarity, measurement, and dimension. Students will express geometric properties using equations. Algebra I skills are incorporated throughout the course.

Honors Algebra II - 43200P - M
Grade Level: 10 only - 2 semesters, 1 credit
Prerequisite: Pre-AP Algebra I and Pre-AP Geometry or teacher recommendation
Honors Algebra II is designed for sophomores in the Pre-AP/AP math sequence. This course satisfies the third math credit for graduation. The curriculum is an enhanced Algebra II course that will better prepare students for success in AP Calculus.

Algebra III - 439070 - M
Grade Level: 11,12 - 2 semesters, 1 credit
Prerequisite: Algebra I, Geometry, Algebra II
Algebra III will enhance the higher level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some pre-calculus concepts. Students in Algebra III will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, exponential, and logarithmic functions. Modeling real world situations is an important part of this course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra III will also include a study of matrices and conics.

Quantitative Reasoning - 439120 - M
Grade Level: 10-12 - 2 semesters, 1 credit
Prerequisite: Algebra I
Quantitative Reasoning builds on Algebra I to explore mathematical topics and relationships. Emphasis will be placed on applying modeling as the process of choosing and using appropriate mathematics and statistics to analyze, to better understand, and to improve mathematical understanding in real world situations. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally. Quantitative Reasoning will help students develop conceptual understanding by supporting them in making connections between concepts and applying previously learned material to new contexts. Students will be expected to use technology, including graphing calculators, computers, or data gathering tools throughout the course.

Algebra II - 432000 - M
Grade Level: 10, 11, 12 — 2 semesters, 1 credit
Prerequisite: Algebra I and Geometry
The course focuses on the real and complex number systems. Students will study polynomial and rational expressions, equations, inequalities, and functions. Students will model using linear, quadratic, and exponential models. Interpreting data and determining probability will also be incorporated throughout the course. Upon completion of this course, students will be prepared to pursue pathways for Smart Core and or General Core graduation. It is recommended that a student complete Algebra II before enrolling in Chemistry or Physics. This course may NOT be taken concurrently with Bridge to Algebra II.

Precalculus - 433000 - M, CF
Grade Level: 11, 12 — 2 semesters, 1 credit
Prerequisite: Algebra I, Geometry, and Algebra II (recommended with grade of A or B)
Precalculus is one of the higher level math courses that satisfy the Smart Core math graduation requirements. It is designed to prepare the student for college level courses such as College Algebra and/or Calculus. Any student interested in advanced business, engineering, pre-med or architecture is encouraged to take this course. Precalculus will emphasize the study of trigonometric functions and identities, right triangle trigonometry and circular methods to represent mathematical concepts.

Honors Precalculus - 43300P - M, CF
Grade Level: 11 only - 2 semesters, 1 credit
Prerequisite: Honors Algebra II or teacher recommendation
Honors Precalculus is designed for juniors in the Pre-AP/AP math sequence. This course is one of the higher level math courses that satisfy the Smart Core math graduation requirements. This course has an enhanced Precalculus curriculum to better prepare students for AP Calculus.

ASUMH College Algebra - 539900 -M, CF
Grade Level: 12 — 1 semester, 1 credit
3 college hours from ASUMH
Prerequisite: ACT Math Score of 19 or higher and ACT Reading score of 19 or higher.
This course studies quadratic equations and inequalities; polynomial, rational, exponential, and logarithmic functions; graphing functions, combining functions, inverse functions; solving systems of linear and nonlinear equations; and use of matrices and determinants. Emphasis on applications and problem solving. Any student who enrolls in the course for concurrent credit and then drops the course from his or her high school schedule must also formally withdraw from the course through ASU-MH following the course withdrawal process.

AP Statistics AB - 534040 - M, CF
Grade Level: 11-12 - 2 semesters, 1 credit
Prerequisite: Algebra 2
AP Statistics is a college-level statistics course that introduces major concepts and tools for collecting, analyzing, and drawing conclusions from data. Concepts discussed include variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions. A strong background in mathematics is recommended, as this course is designed to be a fourth-year mathematics course.

AP Calculus AB - 534040 - M, CF
Grade Level: 12 - 2 semesters, 1 credit
Prerequisite: Pre-AP Precalculus
AP Calculus is designed for seniors in the Pre-AP/AP sequence. This course is a higher level mathematics course that serves as an elective math course for seniors. This AP course will explore derivatives, integration, limits and approximation through application and modeling. A multi-representational approach to calculus will be used as students will express answers graphically, numerically, analytically and verbally. This course can be taken for concurrent credit from ASU-MH. Any student who enrolls in the course for concurrent credit and then drops the course from
his or her high school schedule must also formally withdraw from the course through ASU-MH following the course withdrawal procedures.

CS Networking Year 1- 465170 - PA, CF, M, S
Grade Level: 9, 10, 11, 12 - 1 credit, 2 semesters
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This course includes the skills required for building, troubleshooting, repairing and maintaining computers. It includes objectives in the following domains: Safety, Careers, Identifying hardware (Motherboards, Processors, Memory) Diagnostic and Troubleshooting techniques. Students will use online virtual labs to build and troubleshoot computers. Students will stay up to date with the new technology and innovations. They will identify unique computer components and determine criteria for their use. Discuss the basic concepts and procedures for creating, viewing and managing files, directories, and disks. Students will be able to perform system upgrades to various types of hardware and Operating Systems. They will understand the basic networking concepts. Students will use online virtual labs and hands on labs to build and troubleshoot computers.

Computerized Accounting II - 492112 - PA, CF, DL, M
Grade Level: 10, 11, 12- 1 credit, 2 semesters
Prerequisite: Computerized Accounting I
Completion of this course may replace the 4th math credit.
This course is designed to provide students with the knowledge, understanding, and skill necessary for college and career readiness. Departmental and corporate accounting systems are components of the course with emphasis given to computerized software and automated systems.

CS Networking Year 2 - 465180 - PA, CF, M, S
Grade Level: 9, 10, 11, 12 -1 credit, 2 semesters
Prerequisite: CS Networking Year 1 with a C or better and a 2.5 GPA.
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This course builds on the course work from Networking Year 1 and includes the skills required for building, troubleshooting, repairing and maintaining computers. It helps prepare students for the Comp TIA IT Fundamentals certification. Students may also earn CompTIA's A+ certification after completing Comp Sc: Network/Hardware IIB and additional training. Students will use online virtual labs to build and troubleshoot computers. It includes objectives in the following domains: operating systems, security, troubleshooting and preventive maintenance, and Green IT. Students will stay up to date with new technology and innovations. This course helps prepare students for the CompTia IT A+ certification. Students will use online virtual labs to build and troubleshoot computers. Hands-on labs will also be utilized to bring real world experience and relevance to the course material.

AP Computer Science A - 565130 - PA, CF, DL, M, S
Grade Level: 10, 11, 12
Prerequisite: Computer Science Programming-Year 1 with a C or better and a 2.5 GPA.
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

CS Programming Year 1 - 465070 - PA, CF, DL, M, S
Grade Level: 8, 9, 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Algebra 1 or concurrently
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This course is designed to provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving, Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global and Ethical Impacts.
This course will also provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global, and Ethical Impacts.

CS Programming Year 2 - 465080 - PA, CF, DL, M, S
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Computer Science Programming-Year 1 with a C or better and a 2.5 GPA.
Completion of this course may replace the 4th math credit or the 3rd science credit.
Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.
This class is a continuation of Computer Science-Year 1, in computer science that is necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global, and Ethical Impacts. Students will learn more sophisticated coding skills and work towards designing complete and functional mobile phone apps.

Math Department Staff
Garrett Rucker, Department Chair, ACME
Janie Davidson, ACME
Shelby Singletary, HHS
James Kerr, HHS
Michelle Pope, CAB
Kathy Wham, CAB

Medical Professions

These courses may be taken as career focus or practical arts credits.

Foundations of Health Care - 495350- PA, CF
Grade Level: 8, 9, 10, 11, 12 **-** 1 credit, 2 semesters
This course is designed to introduce students to medical professions and the basic foundational skills for first aid and the treatment of patients. Along with Anatomy and Physiology this is a foundation core course for subsequent education and training in health services. This course is a revised combination of Introduction to Medical Professions and Medical Procedures.

ASUMH Human Anatomy & Physiology for Healthcare - 590680 - PA, CF, S
Grade Level: 10, 11, 12 - 1 credit, 1 semester
Completion of this course may replace the 3rd science credit.
Concurrent Credit from ASUMH
This course focuses on anatomy and physiology of body systems and the diseases of those systems. Specific areas of study include the basic structure of the human body, processes of disease, and the following body systems; integumentary, skeletal, muscular, circulatory, lymphatic, nervous, sensory, respiratory, digestive, urinary, endocrine, and reproductive. Course includes labs and dissections.

ASUMH Medical Terminology - 593260 - PA, CF
Grade Level: 10, 11, 12 **-** 1 credit, 1 semester
Prerequisite: Foundations of Health Care recommended
Concurrent Credit from ASUMH
This course assists students in developing the language used for communication in the healthcare profession. Areas of study include fundamental word structure, organization of the body, diagnostic and imaging procedures, pharmacology, general medical terms and body systems. Foundations of Healthcare recommended.

Anatomy and Physiology - 424030 - S, PA, CF
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Prior completion of Biology is highly recommended, but at a minimum, concurrent enrollment in Biology is required as well as teacher recommendation and instructor approval
The Arkansas K-12 Science Standards for human anatomy and physiology is a science course that continues to develop conceptual understanding of the core ideas, science and engineering practices, and crosscutting concepts in biology - integrated. Students in human anatomy and physiology develop understanding of key concepts that help them make sense of the interactions among systems within the human body.

Principles of Sports Medicine - 494050 - PA, CF
Grade Level: 9, 10, 11, 12 **-** 1 credit, 2 semesters
This course is meant to introduce students to the realities of the Sports Medicine field and educate them about the role an Athletic Trainer plays in the field. Students will learn a variety of concepts in healthcare from sports medicine's historical foundations to injury management. This course will provide students an opportunity for hands-on learning, and teaches how to network with other Athletic Trainers as well as other healthcare professionals in the community. Journal Requirements: Students will be responsible for maintaining a Sports Medicine Journal, recording all necessary information indicated in the discussion of each topic covered in a day. This journal will be utilized daily and serve as a reference tool and ongoing record of applications and activities for the entirety of the course. It is a course requirement, appropriately weighted as to be a significant portion of the course grade.

Sports Medicine Injury Assessment - 494070 - PA, CF
Grade Level: 9, 10, 11, 12 **-** 1 credit, 2 semesters
Prerequisite: Principles of Sports Medicine, Human Anatomy and Physiology, and Medical Terminology are recommended
This course provides students with a more specific look at sports medicine from the perspective of injury evaluation that includes advanced injury assessment, and understanding of common injuries that affect the physically active population. Students will gain a more complete understanding of injury evaluation and the role it plays in the career field of Sports Medicine.

ASUMH Emergency Medical Responder - 590940 - PA, CF
Grade Level: 12 - 1 credit, 1 semester
3 college hours from ASUMH
The Emergency Medical Responder course is an entry-level emergency medical provider course that will prepare individuals for employment or a volunteer position in a variety of prehospital, industrial, and first responder settings. The course consists of introductory material into the EMS system and components relating to medical practice in the prehospital field. The EMR course prepares individuals with the knowledge and skills necessary to provide immediate lifesaving interventions while awaiting additional EMS resources to arrive. EMRs also provide assistance to higher-level personnel at the scene of emergencies and during transport.

ASUMH Medical Procedures Expanded- 495390 - PA, CF
Grade Level: 11,12 - 1 credit, 1 semester
Prerequisite: Foundations of Health Care and Medical Terminology recommended
Concurrent Credit from ASUMH
The Medical Procedures Expanded course focuses on the specific skills needed in several different areas of entry-level positions in healthcare. Students are able to build upon the skills gained in Medical Procedures. The different skill areas addressed are: dental assisting, laboratory assisting, medical assisting, nurse assisting, physical therapy assisting, and veterinary assisting. Emphasis is given to the development of competencies related to infection control, medical math, abbreviations, and charting.

Medical Clinical Specialization/Internship - 490510 - PA, CF
Grade Level: 12 - 1/2 credit, 1 semester
Prerequisite: Must be a senior, prior medical professions education course with a **B** average, **and instructor approval by application. TB skin test and uniform required.** Must provide own transportation**.**
This course will provide classroom and clinical observation experiences that prepare students for a career in health care. Clinical observation will be held at Baxter Regional Medical Center. This class involves simulated medical care. Also, collaboration with Harvard Medical School for case studies.

Pathology (VARK) - 495290 - PA, CF
Grade Level: 9, 10, 11, 12 - 1/2 credit, 1 semester
This course is devoted to the exploration of human pathology. Pathology is the branch of medical science that studies the causes, nature, and effects of diseases. This course of study begins with an introduction to pathology-related terms, predisposing factors of diseases, the relationship between
diagnosis and prognosis, and disease treatments. Following the introduction, the course delves into a range of pathology-related topics and their relationships to specific systems of the human body. The topics include signs and symptoms of pathology, the effects of trauma, the effects of age, and characteristics of
common diseases.

Abnormal Psychology - 495370 - CF
Grade Level: 10, 11, 12 - 1/2 credit, 1 semester
This course provides a basic survey of maladaptive human behavior. Major psychological disorders, their causes, symptom behaviors, cultural influences, and relevant treatment approaches are discussed. Included topics are historical medical background, perspectives of treatment of the mentally ill, fundamental definitions, causes of anxiety disorders, disorders of mood including depression and bipolar disorder, personality disorders, disorders of thought including schizophrenia, substance-related disorders, and domestic violence. Legal, ethical, and social issues relating to the medical professional's role in treating psychological disorders are explored.

ASUMH Medical Professions Expanded - 495380 - PA, CF
Grade Level: 11, 12 - 1 credit, 1 semester
Prerequisite: Foundations of Healthcare and Medical Terminology recommended
Concurrent Credit from ASUMH
Experiences in Introduction to Medical Professions Education are designed to provide students with basic information needed for a career in the healthcare field. In this comprehensive course, emphasis is given to the development of competencies related to HOSA, study skills, medical history and events, health care systems, health care careers, personal qualities, medical ethics and legal responsibilities, and professionalism.

ASUMH Emergency Medical Technician I - - PA, CF
Grade Level: 12 - 1 credit, 1 semester
3 college hours from ASUMH
Emergency Medical Technician I is the first of two courses, which provide the basic program approved by the Arkansas Department of Health, EMS division, and the National Registry of Emergency Medical Technicians. Focus is placed on the knowledge and skills an individual needs to possess in prehospital emergency care to function as part of a team providing prehospital care to the ill and injured. Upon successful completion, candidates will be allowed to enroll in EMT II which will complete the EMT educational experience (After successful completion of both sections of EMT I & II). Per state law, students must pass a criminal background check prior to taking the EMT licensure exam after completion of EMT II. Prerequisite: Current American Heart Association CPR Care. A criminal background check will be performed by the Arkansas Department of Health and applicants must pass this in order to become state licensed as an EMT.

ASUMH Emergency Medical Technician II - - PA, CF
Grade Level: 12 - 1 credit, 1 semester
3 college hours from ASUMH
Emergency Medical Technician II is the second half of the Basic EMT program. During this phase of the program, didactic and laboratory studies will continue along with clinical rotations at both hospital and ambulance services (Must have a passing grade to go to clinical). Students will have a drug screen performed prior to clinical rotations. With the consent of the Program Director and Medical Director, students successfully completing all elements of the program will be allowed to sit for National Board Exam and State Licensure at the Basic EMT Level for the State of Arkansas. Prerequisite: Successful completion of EMT 1014 Emergency Medical Technician I with a grade of "C" or higher. This course must be successfully completed within one year of EMT 1014.

ASUMH Nurse Assistant - 590720 - PA, CF **Grade Level:** 12 - 2 credits, 1 semester **6 college hours from ASUMH** **Prerequisite:** Students interested in enrolling in the CNA program at ASUMH must take and pass at least one medical class at Mountain Home High School and have a "C" average. (Medical Procedures or Medical Internship is recommended. Medical Procedures must not be taken online.) Enrolling in a 7 credit hour CNA course is a rewarding way to start a career in the medical field. This course provides instruction with an emphasis on technical skills, professional relationships, and workplace ethics. Graduates of the program are eligible to complete the Arkansas Skills Test to become a Certified Nursing Assistant (CNA). Graduates of the program are prepared to work in long-term care, acute care, and home-health care settings.	**Medical Professions Department Staff** Lane Alexander, HHS Shannon Ellison, HHS Tenille Rauls, HHS

MEDICAL PROFESSIONS COMPLETER CHECKLIST 2020-2021

Program of Study: Sports Medicine Cluster: Health Sciences Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
494050	**Foundations of Sports Medicine**	1	9-12	1
424030	**Anatomy / Physiology**	2	9-12	1
Plus one full credit from the list below				
495380	**Intro. to Medical Professions**	3	9-12	0.5
495360	**Medical Terminology**	3	9-12	0.5
490030	**Certified Nursing Assistant**	3	11-12	1
Program of Study: Medical Professions Cluster: Health Sciences Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
495350	**Foundations of Health Care**	1	9-12	1
424030	**Anatomy / Physiology**	2	9-12	1
Plus one full credit from the list below				
495370	**Abnormal Psychology**	3	9-12	0.5
490510	**Medical Lab (White Coat)**	3	9-12	0.5
495360	**Medical Terminology**	3	9-12	0.5
495390	**Medical Procedures**	3	9-12	0.5
495380	**Intro. to Medical Professions**	3	9-12	0.5
490030	**Certified Nursing Assistant**	3	11-12	1

MEDICAL PROFESSIONS COMPLETER CHECKLIST 2021-2022

Program of Study: Medical Professions Cluster: Health Sciences Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
495350	**Foundations of Health Care**	1	9-12	1
424030	**Anatomy / Physiology**	2	9-12	1
Plus one full credit from the list below				
495370	**Abnormal Psychology**	3	9-12	0.5
490510	**Medical Lab (White Coat)**	3	9-12	0.5
495360	**Medical Terminology**	3	9-12	0.5
495290	**Pathology**	3	9-12	0.5
490030	**Certified Nursing Assistant**	3	11-12	1
Program of Study: Sports Medicine Cluster: Health Sciences Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
494050	**Foundations of Sports Medicine**	1	9-12	1
424030	**Anatomy / Physiology**	2	9-12	1
Plus one full credit from the list below				
494070	**Sports Medicine Injury Assessment**	3	9-12	1
495360	**Medical Terminology**	3	10-12	0.5
495360	**Medical Lab (White Coat)**	3	12	0.5
495290	**Pathology**	3	9-12	0.5

MEDICAL PROFESSIONS COMPLETER CHECKLIST 2022-2023 and beyond

Program of Study: Medical Skills and Services Cluster: Health Sciences Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
495350	**Foundations of Health Care**	1	9-12	1
495360	**Medical Terminology**	2	9-12	1
Plus one full credit from the list below				
495370	**Abnormal Psychology**	3	9-12	0.5
490510	**Medical Lab (White Coat)**	3	12	0.5
495290	**Pathology**	3	9-12	0.5
495390	**Medical Procedures Expanded**	3	11-12	0.5
495380	**Medical Professions Expanded**	3	11-12	0.5
490030	**Certified Nursing Assistant**	3	11-12	1

Program of Study: Sports Medicine Cluster: Health Sciences Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
495350	**Foundations of Health Care**	*1*	*9-12*	*1*
Plus one full credit from the list below				
494090	**Principles of Sports Medicine**	*2*	*9-12*	*1*
495360	**Medical Terminology**	*2*	*9-12*	*1*
Plus one full credit from the list below				
494070	**Sports Medicine Injury Assessment**	*3*	*9-12*	*1*
495360	**Medical Lab (White Coat)**	*3*	*12*	*0.5*
Program of Study: Nursing Services Cluster: Health Science Pathway: Therapeutic Services				
Course Code	**Course Name**	**Level/Sequence**	**Grade Level**	**Credit (.5 or 1)**
494050	**Foundations of Health Care**	*1*	*9-12*	*1*
495360	**Medical Terminology**	*2*	*9-12*	*1*
Plus one full credit from the list below				
490030	**Certified Nursing Assistant (CNA)**	*3*	*12*	*1*
495360	**Medical Lab (White Coat)**	*3*	*12*	*0.5*

Navy Junior Reserve Officer Training Corps

These courses may be taken as career focus or practical arts credits.

Naval Science I - 485950-480950 - PA, CF, PE, H
Grade Level: 9, 10, 11, 12 — 2 semesters, 1 credit
This is an introductory course. Students learn the basics of military leadership, discipline, courtesy, respect, organization, and drill. Topics include: naval traditions, customs and terminology and health and wellness. Physical fitness training is conducted weekly. Field trips to military bases take place in the spring.

Naval Science II - 495860 - PA, CF, PE, H
Grade Level: 9, 10, 11, 12 — 2 semesters , 1 credit
Prerequisite: Naval Science I
Naval Science II is an intermediate course, which continues leadership topics. Other topics include US History from a sea power perspective and Nautical Sciences

Naval Science III - 495870 - PA, CF, PE, H
Grade Level: 10, 11, 12 — 2 semesters , 1 credit
Prerequisite: Naval Science I and II
Students receive advanced knowledge of military leadership, discipline, courtesy, respect, organization and drill. Topics include leadership and management techniques; naval history, military law, astronomy, navigation, naval strategy tactics, diplomacy, naval weapons and orienteering. Field trips to military bases also take place in the spring.

Naval Science IV - 495910 - PA, CF, PE, H
Grade Level: 11, 12 — 2 semesters, 1 credit
Prerequisite: Naval Science I, II, and III
This class is a leadership seminar providing hands-on leadership experiences. Topics include communication, goal setting, planning, organizing, training and lesson development and conduct. Students will design and conduct classroom training.

**An annual sports physical is required for all cadets. There is a $20 fee due each year for organizational gear.

A student who completes two (2) semesters of a Junior Reserve Officer Training Corps program shall receive credit for both of the following requirements for graduation from high school under the rules of the State Board of Education:
one-half (½) credit of physical education; and
one-half (½) credit of health.

Navy Junior Reserve Officer Training Corps Staff
Chief Jason Williams, HHS
(U.S. Navy Retired)
Lieutenant Commander Allan Hale,
(U.S. Navy Retired)

Program of Study:	Navy JROTC-2021 and Beyond
Cluster:	Government & Public Administration
Pathway:	National Security

Course Code	Course Name	Level/Sequence	Grade Level	Credit (.5 or 1)
495850	**Navy JROTC I**	1	9-12	1
495860	**Navy JROTC II**	2	10-12	1
Plus one full credit from the list below				
495870	**Navy JROTC III**	3	11-12	1
495910	**Navy JROTC IV**	3	12	1
480950	**JROTC Health**	3	9-12	0.5
485950	**JROTC Physical Education**	3	9-12	0.5

Physical Education/Health/Driver Education

One-half credit of PE is required for graduation. Health is also required for graduation.

Cheerleading-685000

Grade Level: 10, 11, 12 — 2 semesters, **1 credit (May count as 1/2 of a P.E. credit)**

Students will be evaluated in the spring and will be selected by the cheer coach to participate in this sport.

Dance-685000

Grade Level: 10, 11, 12 —2 semesters, **1 credit (may count as 1/2 of a PE credit)**

Students will be evaluated in the spring and will be selected by the dance coach to participate in this sport.

Driver Education - 690040

Grade Level: 9, 10, 11, 12 — 1 semester, 1/2 credit

Prerequisite: It shall be the responsibility of the student to have their written test learners permit when the semester in which they are enrolled in driver education begins. If a student does not have their written test learners permit during the semester in which they are enrolled in driver education, that student must obtain their written test learners permit by the time the driving portion of the class begins. Students who do not obtain their written test learners permit allowing them to drive in the semester in which they are enrolled in driver education will fail driver education and an F will be placed on their transcript.

Athletics - 685000

Grade Level: 10, 11, 12 — 1 semester, 1/2 credit

Students interested in participating in our sports programs should sign up for the PROPER semester that the sport is offered. Football, basketball, and volleyball are double blocked.

Personal Fitness for Life - 485010

Grade Level: 10, 11, 12 — 1 semester, 1/2 credit

This course will offer weight training and various heart-healthy exercises. In addition, students will participate in a variety of both team and lifetime activities.

Health and Safety - 480000

Grade Level: 9, 10, 11, 12 — 1 semester, 1/2 credit.

One-half credit of Health is required for graduation.

This course covers, but is not limited to, units in nutrition, drug abuse, alcohol, tobacco, self-esteem, boating education certification, mental health, physical activity, STD's and HIV/AIDS, CPR/AED training.

Physical Education & Health Department Staff

Mark Paden, Department Chair, HHS
Darin Acklin, ACME
Steve Ary, ACME
Josh Fulcher, HHS
Dell Leonard, HHS

Baseball	after school	1/2 credit
Bowling	after school	no credit
Boy's Basketball	2 semesters	1 credit
Cheerleading	8th period - 2 semesters	1 credit
Cross Country	after school	1/2 credit
Dance	7th period - 2 semesters	1 credit
Softball	after school	1/2 credit
Football	2 semesters	1 credit
Girl's Basketball	2 semesters	1 credit
Golf	after school	1/2 credit
Soccer	after school	1/2 credit
Swimming	after school	1/2 credit
Tennis	after school	no credit
Track and Field	after school	1/2 credit
Volleyball	2 semesters	1 credit
Wrestling	after school	no credit

Publications

These courses may be taken as career focus or practical arts credits.

Yearbook - 10th-415010, 11th-415020, 12th-415030 - PA, CF

Grade Level: 10, 11, 12 — 1 credit, 2 semesters

Prerequisite: Minimum 2.5 GPA and completion of an application, which must be approved by the instructor.

Students will produce the high school yearbook. Staff responsibilities include selling advertising, taking pictures, writing copy, designing layouts, and working with the computer. Students will be expected to develop skills in writing and graphic design. Although a majority of work is accomplished in class, students will be expected to contribute a significant amount of time outside of class as deadlines demand. Applications to be on staff will be made to the faculty advisor prior to student registration.

Journalism - 10th-415010, 11th-415020, 12th-415030- PA, CF

Grade Level: 10, 11, 12 -- 1 credit, 2 semesters

Prerequisite: Minimum 2.5 GPA and completion of an application which is approved by the instructor.

Students will be introduced to the fundamentals of scholastic journalism through producing print and social media content for ***The Bomber Bulletin.*** Emphasis will be on learning basic news writing skills. Attention will be given to feature and editorial writing, reviews, and layout design. Students will have regular class assignments. While much of the work can be accomplished in class, staff members will be expected to make a commitment that will involve significant time after school until deadlines are met. Applications to be on staff will be made to the faculty advisor prior to student registration.

Publications Department Staff

Emma Reed

Science

Three credits required for graduation

Physical Science - 423000 **-** *S*
Grade Level: 9-12 - 1 credit, 2 semesters
Physical science begins the study of higher-level physics and chemistry and continues educating the student in the nature of science. In this course students will study the major discoveries such as atoms, the Periodic Table, chemical reactions, gravity, forces, and light waves that have shaped our thinking about the physical world. Students are expected to use suitable mathematics and collect and analyze data. This course serves as a transition into other science courses.

Chemistry - 421000 - S, CF
Grade Level: 10, 11, 12 —1 credit, 2 semesters
Prerequisite: Algebra II strongly recommended
Chemistry is the study of matter and the changes it undergoes. Students will explore topics including atomic structure, periodicity, chemical bonding, chemical reactions, stoichiometry, gas laws, acids and bases, and nuclear chemistry. Strong mathematical and critical thinking skills are essential to succeed. It is strongly recommended that students achieve at least a B in Algebra II before enrolling. This course includes laboratory experiments requiring a firm understanding of the material being covered.

Honors Chemistry - 42100P - S, CF
Grade Level: 10, 11, 12 – 1 credit, 2 semesters
Prerequisite: Algebra II strongly recommended.
Honors Chemistry is a more rigorous treatment of the concepts and topics covered in regular Chemistry. Students will be expected to understand and function at higher levels of operation and will be expected to learn more on an individual basis. Materials used will be similar to that of AP Chemistry. The course will emphasize reading, math skills, critical-thinking and problem-solving. The depth of this course requires that additional time be spent outside of class. The laboratory experiments require greater mathematical applications and analysis.

AP Chemistry - 521030 - S, CF
Grade Level: 12 — 1 credit, 2 semesters
Prerequisite: Minimum grade of a B in Algebra II and Chemistry is strongly recommended
This course deals with advanced concepts in chemistry. This includes atomic structure, periodicity, chemical bonding, reactions, stoichiometry, gas laws, thermochemistry, acids, equilibria, thermodynamics and electrochemistry. Laboratory work and chemistry problem solving make up an integral part of the course. A strong background in math and chemistry are necessary. Students may receive college credit by earning a passing score on the AP Chemistry Exam at the end of the year.

Biology - 420000 - S
Grade Level: 10-12 — 1 credit, 2 semesters
The Arkansas K-12 Science Standards for biology - integrated is an integrated science course that focuses on conceptual understanding of foundational life and Earth science core ideas, science and engineering practices, and crosscutting concepts, and is an integration of life science, Earth and space science, and engineering design standards. It is recommended that students be enrolled in geometry concurrently with this course. Students will earn 1 unit of Smart Core/biology credit for graduation. Students in biology - integrated develop understanding of key concepts that help them make sense of the interactions between life science and Earth and space science. There are seven topics in biology - integrated: (1) Cycling of Matter and Energy, (2) Structure and Function, (3) Biodiversity and Population Dynamics, (4) Genetic Variations in Organisms, (5) Evolution by Natural Selection, (6) Earth's Changing Climate, and (7) Humans and Natural Systems.

Honors Biology - 42000P - S
Grade Level: 10, 11, 12 – 1 credit, 2 semesters
Pre-AP Biology is strongly recommended as preparation for Advanced Placement Biology. Pre-AP Biology is a more rigorous treatment of the concepts and topics covered in regular Biology. Although enrollment is open to all students, those interested in Pre-AP Biology should consider the following criteria: achievement test scores, past performance in science classes, and teacher recommendation. Students will be expected to understand and function at higher levels of operation and will be expected to learn more on an individual basis. Emphasis is on the application of the content material in past, present and future situations with a mathematical approach for recording experimental data and critical evaluation for analyzing, synthesizing, and formulating logical conclusions.

Physics - 422010 - S, CF
Grade Level: 11, 12 - 1 credit, 2 semesters
Prerequisite: Prior completion of Algebra II and Precalculus is highly recommended, but at a minimum, concurrent enrollment in Algebra II is required.
Physics is a useful foundation course for a variety of career fields and contributes to the understanding of such college courses such as chemistry, physics, and engineering. This course deals with the nature of physics and each of its major areas: motion, mechanics, vibrations, and fluids. Classroom and laboratory works are fully integrated. A calculator with trigonometric and scientific functions is mandatory.

AP Physics 1 - 522080 - S, CF
Grade Level: 11, 12 – 1 credit, 2 semesters
Prerequisite: Prior completion of Algebra II and PreCalculus is highly recommended, but at a minimum, concurrent enrollment in Algebra II is required as well as teacher recommendation.
AP Physics I is an algebra-based, introductory college-level physics course that explores topics such as Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound; and introductory, simple circuits. Through inquiry-based learning, students will develop scientific critical thinking and reasoning skills. A calculator with trigonometric and scientific functions is mandatory. Students may receive college credit by passing a comprehensive AP exam at the end of the year.

Environmental Science - 424020 - S, CF
Grade Level: 11, 12 – 1 credit, 2 semesters
Prerequisite: Successful completion of Biology
This course looks at the natural environment and how it functions from chemical, biological and physical perspectives. In addition, it takes a serious look at current problems within the environment, the solutions that exist and the frustrations involved with making sensible change. This class is a combination of classroom and hands-on learning.

Plant Science - 491170 - PA, CF, S
Grade Level: 10, 11, 12 - 1 credit, 2 semesters
Prerequisite: Survey of Ag Systems
Completion of this course may replace the 3rd science credit.
The Plant Science course encompasses the study of plant life cycles, classifications, functions, structures, reproduction, media, and nutrients, as well as growth and cultural practices through the study of crops, turfgrass, trees, shrubs, and/or ornamental plants.

Zoology - 524010 - S, CF
Grade Level: 11, 12 - 1/2 credit, 1 semester
Prerequisite: Successful completion of Biology
Zoology involves a broad survey of the animal kingdom including structure, function, embryology, classification, and behavior of both invertebrates and vertebrates, through phylogeny. This course will utilize biology connections to further advance your knowledge in animal biology.. A zoology specimen collection is required.

AP Biology - 520030 - S, CF
Grade Level: 11, 12 — 1 credit, 2 semesters
Prerequisite: Prior completion of Biology and Chemistry (with a B or better) and instructor approval is required.
This course is equivalent to two semesters of a college Biology course intended for Biology majors during their first year of college. It is a year-long study of advanced biological concepts such as evolution, cellular processes and energy, genetics, information transfer, and ecology. Laboratory work is integral to the course and students will be expected to understand and function at higher levels of operation, and they will be expected to learn more on an individual basis. A strong background in chemistry and biology are necessary. After the successful completion of this course, students may receive 8 college credits by earning a qualifying score on the AP Biology Exam at the end of the year. AP Biology is historically a challenging and difficult class, but with effort and dedication, many students do well.

AP Environmental Science - 523030 - S, CF
Grade Level: 11, 12 — 1 credit, 2 semesters
Prerequisite: Prior completion of Algebra and Biology. Chemistry is also required but may be taken concurrently.
The AP Environmental Science course is designed to be the equivalent of a one-semester, introductory college course in environmental science, through which students engage with the scientific principles, concepts, and methodologies required to understand the interrelationships within the natural world. The course requires that students identify and analyze natural and human-made environmental problems, evaluate the relative risks associated with these problems, and examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography.

Forensics - 529010 - S, CF
Grade Level: 11, 12 - 1/2 credit, 1 semester
Prerequisite: Successful completion of Biology is required and Chemistry is recommended.
Forensic Science incorporates scientific processes into the reading, writing, reasoning ability and laboratory competencies used in modern criminal investigations. Students will study the role a forensic scientist plays in analyzing various types of physical evidence, crime scenes, fiber analysis, toxicology, arson, fingerprinting, ballistics evidence, blood analysis, and criminal profiling. Advanced studies into the action, minds, and behaviors of convicted criminals will be present.

ASUMH Human Anatomy & Physiology for Healthcare - 590680 - S, PA, CF

Grade Level: 10, 11, 12—1 credit - 1 semester

Completion of this course may replace the 3rd science credit.

Concurrent Credit from ASUMH

This course focuses on anatomy and physiology of body systems and the diseases of those systems. Specific areas of study include the basic structure of the human body, processes of disease, and the following body systems; integumentary, skeletal, muscular, circulatory, lymphatic, nervous, sensory, respiratory, digestive, urinary, endocrine, and reproductive. Course includes labs and dissections.

Anatomy and Physiology - 424030 - S, PA, CF

Grade Level: 10 - 12 — 1 credit, 2 semesters

Prerequisite: Prior completion of Biology is highly recommended, but at a minimum, concurrent enrollment in Biology is required as well as teacher recommendation and instructor approval

The Arkansas K-12 Science Standards for human anatomy and physiology is a science course that continues to develop conceptual understanding of the core ideas, science and engineering practices, and crosscutting concepts in biology - integrated. Students in human anatomy and physiology develop understanding of key concepts that help them make sense of the interactions among systems within the human body.

CS Networking Year 1 - 465170 - PA, CF

Grade Level: 9, 10, 11, 12 - 1 credit, 2 semesters

Completion of this course may replace the 4th math credit or the 3rd science credit.

Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.

This course includes the skills required for building, troubleshooting, repairing and maintaining computers. It includes objectives in the following domains: Safety, Careers, Identifying hardware (Motherboards, Processors, Memory) Diagnostic and Troubleshooting techniques. Students will use online virtual labs to build and troubleshoot computers. Students will stay up to date with the new technology and innovations. They will identify unique computer components and determine criteria for their use. Discuss the basic concepts and procedures for creating, viewing and managing files, directories, and disks. Students will be able to perform system upgrades to various types of hardware and Operating Systems. They will understand the basic networking concepts. Students will use online virtual labs and hands on labs to build and troubleshoot computers.

CS Programming Year 1 - 465070 - PA, CF, DL

Grade Level: 8, 9, 10, 11, 12 - 1 credit, 2 semesters

Prerequisite: Algebra 1 or concurrently

Completion of this course may replace the 4th math credit or the 3rd science credit.

Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.

This course is designed to provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving, Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global and Ethical Impacts.

This course will also provide foundational understandings of concepts in computer science that are necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global, and Ethical Impacts.

CS Programming Year 2 - 465080 - PA, CF, DL

Grade Level: 10, 11, 12 - 1 credit, 2 semesters

Prerequisite: Computer Science Programming-Year 1 with a C or better and a 2.5 GPA.

Completion of this course may replace the 4th math credit or the 3rd science credit.

Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.

This class is a continuation of Computer Science-Year 1, in computer science that is necessary for students to function in an ever-changing technological world. In this course, students will explore, apply, and move toward mastery in skills and concepts related to Computational Thinking and Problem Solving; Data and Information; Algorithms and Programs; Computers and Communications; and Community, Global, and Ethical Impacts. Students will learn more sophisticated coding skills and work towards designing complete and functional mobile phone apps.

AP Computer Science A 565130 - PA, CF, DL

Grade Level: 10, 11, 12

Prerequisite: Computer Science Programming-Year 1 with a C or better and a 2.5 GPA.

Completion of this course may replace the 4th math credit or the 3rd science credit.

Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.

AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

CS Networking Year 2 - 465180 - PA, CF **Grade Level:** 9, 10, 11, 12 -1 credit, 2 semesters **Prerequisite**: CS Networking Year 1 with a C or better and a 2.5 GPA. ***Completion of this course may replace the 4th math credit or the 3rd science credit.*** ***Completion of years 1 and 2 may substitute for the 4th math credit and the 3rd science credit.*** This course builds on the course work from Networking Year 1 and includes the skills required for building, troubleshooting, repairing and maintaining computers. It helps prepare students for the Comp TIA IT Fundamentals certification. Students may also earn CompTIA's A+ certification after completing Comp Sc: Network/Hardware IIB and additional training. Students will use online virtual labs to build and troubleshoot computers. It includes objectives in the following domains: operating systems, security, troubleshooting and preventive maintenance, and Green IT. Students will stay up to date with new technology and innovations. This course helps prepare students for the CompTia IT A+ certification. Students will use online virtual labs to build and troubleshoot computers. Hands-on labs will also be utilized to bring real world experience and relevance to the course material.	**Science Department Staff** Madison Ingle, Department Chair, HHS Laurie Bergenstock, ACME Tyler Blasdel, HHS Michael Daves, HHS Maddie Lunsford, ACME Wil Norris, ACME

SCIENCE CONCENTRATION CHECKLIST

Physical Science

❑	Physical or pre-AP physical science	1 Credit
❑	Chemistry or pre-AP Chemistry	1 Credit
❑	Physics or AP Physics 1	1 Credit
❑	AP Science ● Chemistry ● Environmental	1 Credit

Life Science

❑	Biology or pre-AP Biology	1 Credit
❑	Chemistry or pre-AP Chemistry	1 Credit
❑	Human Anatomy & Physiology	1 Credit
❑	AP Science ● Biology ● Environmental ● Chemistry	1 Credit

Note: Though a Biology or Physical Science class may not be listed in the above requirements, they are required for graduation.

Social Studies

Three credits required for graduation

U.S. History - 470000 - SS
Grade Level: 10, 11, 12, 1 credit, 2 semesters
United States History 1929-present will focus in greater depth on the effects of changing culture, technology, world economy, and environment, as well as the impact of global conflicts on contemporary society in the United States. The desired outcome of this course is for students to develop an understanding of the cause-and-effect relationship between past and present events, recognize patterns of interactions, and understand the impact of events in the United States within an interconnected world. United States History since 1929 examines the emergence of the United States as a world economic, political, and military power to our present day.. Students will examine the political, economic, geographic, social, and cultural development of the United States of America from the early 20th century into the 21st century after covering a brief review of the 19th century..

AP Psychology - 579120 - SS, CF
Grade Level: 11, 12 - 1 credit, 2 semesters
Prerequisite: Instructor recommendation
The purpose of the AP course in Psychology is to introduce the systematic and scientific study of the behavior and mental processes of human beings and other animals. Included is a consideration of the psychological facts, principles and phenomena associated with each of the major subfields within psychology. Students also learn about the ethics and methods psychologists use in their science and practice.

Psychology - 474400 - SS, CF
Grade Level: 9, 10, 11, 12 – ½ credit, 1 semester
Psychology is a one-semester social studies elective course that introduces students to the science of behavior and mental processes. It includes an overview of the history of psychology as well as an opportunity to study personality and individuality and explore how the knowledge and methods of psychologists are applied to the solution of human problems. The content of this course includes human development; biological bases of behavior; sensation and perception; learning, memory, and cognition; behavior patterns; personality and individuality.

Abnormal Psychology - 495370 - CF
Grade Level: 10, 11, 12, 1/2 credit - 1 semester
Prerequisites: Students must have completed and passed both Psychology and Sociology. Exceptions are made on a case by case basis.
History, classification, diagnosis, and treatment of mental illness. Includes a discussion of causes and prevention of psychological disorders, and legal/social issues regarding mental illness.

Civics - 472000 - SS,
Grade Level: 10, 11, 12 - ½ credit, 1 semester
The focus of Civics is the application of civic virtues and democratic principles and investigation of problem solving in society. This course provides a study of the structure and functions of federal, state, and local government. Civics also examines constitutional principles, the concepts of rights and responsibilities, the role of political parties and interest groups, and the importance of civic participation in the democratic process.

World History - 471000 - SS
Grade Level: 10 - 1 credit, 2 semesters
World History provides an in-depth study of the history of human society from Era 6: Emergence of First Global Age 1450-1770 to Era 9: Contemporary World since 1945. World History is designed to assist students in understanding the human condition, how people and countries of the world have become increasingly interconnected across time and space, and the ways different people view the same event or issue from a variety of perspectives. This course develops an understanding of the historical roots of current world issues, especially as they pertain to international/global relations. It requires an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History references the eras and time periods from The National Center for History in the Schools.

Economics with Personal Finance - 474300 - SS
Grade Level: 10, 11, 12 – ½ credit, 1 semester
Economics emphasizes economic decision making. Students will explore the interrelationships among government, consumers, producers, resources, and labor as well as the interrelationships between national and global economies. Students will focus on financial literacy and personal financial management. Additionally, students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earning potential.

Sociology - 474500 - SS, CF

Grade Level: 10, 11, 12 - ½ credit, 1 semester

Sociology is a one-semester social studies elective which introduces students to the social systems that are the foundation of society. An emphasis will be placed on culture and socialization, social status, social institutions, and social problems; as well as the effects and influence on behavior. Using the tools and techniques of sociologists, students will study changes taking place in society and examine their causes, consequences, and possible solutions. Students will read major sociological theorists as well as consider how sociologists approach.

AP World History - 571020 - SS, CF

Grade Level: 10 - 1 credit - 2 semesters

In AP World History: Modern, students investigate significant events, individuals, developments, and processes from 1200 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change over time. The course provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation. AP World History: Modern is designed to be the equivalent of an introductory college or university survey of modern world history.

AP U.S. History - 570020 - SS, CF

Grade Level: 11 and 12 - 1 credit - 2 semesters

In AP U.S. History, students investigate significant events, individuals, developments, and processes in nine historical periods from approximately 1491 to present. Students develop and use the same skills and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical connections; and utilizing reasoning about comparison, causation, and continuity and change. The course also provides eight themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures. AP U.S. History is equivalent to a two-semester introductory college course in U.S. History.

AP US Government and Politics - 474500 - SS, CF

Grade Level: 10, 11, 12 -1 credit, 2 semesters

AP US Government and Politics is designed to provide a keen understanding of the workings of the US Government and issues related to the operation. The course focuses on the function of the three branches, constitutionalism, civil liberties, civil rights, the political process, and civic participation. Students will study U.S. foundational documents, Supreme Court decisions, and other texts and visuals to gain an understanding of the relationships and interactions among political institutions, processes, and behavior. This course may satisfy the civics graduation requirement.

Social Studies Department Staff

Johnny Caststeel, Department Chair, HHS
Andy Alman, ACME
Jordan Campbell, ACME
Chris Cudworth, HHS
Aaron Mead, HHS
Jeff Obert, HHS
Bret Shrable, HHS

Bomber Virtual Academy

Bomber Virtual Academy offers students the opportunity to meet their graduation requirements -- both core and elective -- in a fully virtual format. While BVA students will access all their learning from a distance, they will be permitted to attend practices and competitions for Arkansas Activities Association (AAA) sanctioned activities. Please explore the links below for more information on BVA.

Important Links

Student Expectations
BVA Application
BVA Flyer
BVA Student / Parent / Teacher Contract

VIRTUAL ARKANSAS ACADEMY (VARK)
COURSE OFFERINGS- DL

The following courses will be offered online through Virtual Arkansas, upon approval. (MHHS students that need digital credit will have priority.)

For more information on these courses, please visit the course catalog on the Virtual Arkansas website at https://virtualarkansas.org/coursecatalog

Virtual Arkansas AP Teacher-Facilitated Classes are true **asynchronous** online courses.
Asynchronous learning happens on your schedule. While your course of study, instructor, and/or the program will provide materials for reading, pre-recorded lectures for viewing, assignments for completing, online discussion boards, and exams for evaluation, you can access and satisfy these requirements on your own schedule, so long as you meet the **deadlines**. – Students who take this course should be highly motivated and have the ability to self-direct via independent study.

•AP Art History – *Not NCAA Approved* - Term: year – 1 credit
•AP Biology - Prerequisites: Biology & Chemistry - Term: year – 1 credit
•AP Calculus BC – *Not NCAA Approved* -Prerequisites: Algebra I, Geometry, Algebra II, Pre-Calculus or College Algebra – The AP Calculus BC exam qualifies as two semesters of College Calculus Term: year – 1 credit
•AP Computer Science A – *Not NCAA Approved* - Term: year – 1 credit
•AP Computer Science Principles – *Not NCAA Approved* - Term: year – 1 credit
•AP Environmental Science - Term: year – 1 credit
•AP European History - Term: year – 1 credit
•AP Human Geography - Term: year – 1 credit
•AP Music Theory - *Not NCAA Approved* - Term: year – 1 credit
•AP Psychology - Term: year – 1 credit
•AP Spanish Language and Culture – class is taught almost exclusively in Spanish - Term: year – 1 credit
•AP Statistics - Term: year – 1 credit
•AP U.S. Government and Politics - Term: year – 1 credit

Virtual Arkansas AP Teacher-Led Classes are **synchronous** online courses.
Synchronous learning happens in real-time. This means that you, your classmates, and your instructor interact in a specific virtual place at a set time. In these courses, instructors commonly *take attendance*, the same as they would in a classroom. Common methods of synchronous online learning include zoom meetings, live chatting, and live-streamed lectures that must be viewed in real-time.

•AP English Language and Composition - Term: year – 1 credit
•AP English Literature and Composition - Term: year – 1 credit

•AP Calculus AB - Prerequisites: Algebra I, Geometry, Algebra II, Pre-Calculus or College Algebra -- The AP Calculus BC exam qualifies as one semester of College Calculus - Term: year – 1 credit
•AP United States History - Term: year – 1 credit
•AP World History - Term: year – 1 credit

Virtual Arkansas Core Content classes:

English Language Arts
• English 9 – Term: year – 1 credit
•English 10 – Term: year – 1 credit
•English 11 – Term: year – 1 credit
•English 12 – Term: year – 1 credit
•Professional Communication – Term: Semester (Fall & Spring) – 0.5 credit
•Journalism - *Not NCAA Approved* – Term: year – 1 credit

Fine Arts
•Visual Art 1 - *Not NCAA Approved* – Term: year – 1 credit
•Visual Arts Appreciation - *Not NCAA Approved* – Term: Semester (Fall & Spring) – 0.5 credit
•Today's American Art: Exploring the Fundamentals of Art - *Not NCAA Approved* – Term: Semester (Fall) – 0.5 credit
•Exploring Personal and National Identity Through Art - *Not NCAA Approved* – Term: Semester (Spring) – 0.5 credit

Mathematics
•Algebra I – Term: year – 1 credit
•Geometry – Prerequisites: Algebra I – Term: year – 1 credit
•Algebra II – Prerequisites: Algebra I – Term: year – 1 credit
•Pre-Calculus – Prerequisites: Algebra I, Geometry, & Algebra II – Term: year – 1 credit
•Advanced Topics and Modeling in Mathematics – Prerequisites: Algebra I, Geometry, & Algebra II - Term: year – 1 credit
•Quantitative Literacy – Prerequisites: Algebra I - *Not NCAA Approved* – Term: year – 1 credit

Health
•Health & Wellness - *Not NCAA Approved* – Term: Semester (Spring) – 0.5 credit

Science
•Physical Science – Integrated – Term: year – 1 credit
•Biology – Integrated – Term: year – 1 credit (recommended that students be enrolled in Geometry concurrently)
•Chemistry – Integrated – Term: year – 1 credit (recommended that students be enrolled in Algebra II concurrently)
•Environmental Science – Term: year – 1 credit
•Human Anatomy and Physiology – Term: year – 1 credit

STEM – Pre-Engineering
•Innovations in Science And Technology I – Term: year – 1 credit (Pilot Year)

Social Studies
•Civics – Term: Semester (Fall & Spring) – 0.5 credit
• United States History Since 1890 – Term: year – 1 credit
•World History Since 1450 – Term: year – 1 credit
•Economics – Term: Semester (Fall & Spring) – 0.5 credit
•Sociology – Term: Semester (Fall & Spring) – 0.5 credit
•Psychology – Term: Semester (Fall & Spring) – 0.5 credit

World Languages
•French I – Term: year – 1 credit
•French II – Term: year – 1 credit
•German I – Term: year – 1 credit
•German II – Term: year – 1 credit

•Spanish I – Term: year – 1 credit
•Spanish II – Term: year – 1 credit
•Spanish III – Term: year – 1 credit
•Spanish IV – Term: year – 1 credit - *Teacher-Facilitated* – this is a true asynchronous online course – there will be one live interactive session per week in the evening – Students who take this course should be highly motivated, and have the ability to self-direct via independent study.
•American Sign Language I – Term: year – 1 credit
(American Sign Language is in high demand class if it is not requested by April of each year the success of getting this class is unlikely)
•American Sign Language II– Term: year – 1 credit
•American Sign Language III - *Not NCAA Approved* – Term: year – 1 credit

Computer Science (Core)/Information Technology (CTE)

• Programming Year 1 - *Not NCAA Approved* – Term: year – 1 credit
• Programming Year 2 - *Not NCAA Approved* – Term: year – 1 credit
• Programming Year 3 - *Not NCAA Approved* – Term: year – 1 credit
• Programming Year 4 - *Not NCAA Approved* – Term: year – 1 credit
• Cybersecurity Year 1 - *Not NCAA Approved* – Term: year – 1 credit
• Cybersecurity Year 2 - *Not NCAA Approved* – Term: year – 1 credit
• Cybersecurity Year 3 - *Not NCAA Approved* – Term: year – 1 credit
All Cybersecurity students must obtain a free student account at Trinket https://trinket.io/signup
• Data Science Year 1 - *Not NCAA Approved* – Term: year – 1 credit

CTE Classes

Agriculture

•Agribusiness Management (Level 2) – Term: year – 1 credit

Arts, A/V, Communication, and Technology

Students are responsible for the book and the many supplies needed for Photography classes
•Digital Photography I (Level 1) – Term: year – 1 credit
•Digital Photography II (Level 2) – Term: year – 1 credit
•Digital Photography III (Level 3) – Term: year – 1 credit

Career Exploration and Preparations

Workkeys assessments covering Applied Math, Workplace Documents, and Graphic Literacy will be required for students enrolled in College & Career Readiness & Work Ready courses. Successful completion of exams, and contingent on the score earned, will allow students the opportunity to earn a National Career Ready Certificate.
•College And Career Readiness – Term: Semester (Fall) – 0.5 credit
•Work Ready – Term: Semester (Fall & Spring) – 0.5 credit
•Career Readiness – Term: Semester (Spring) – 0.5 credit

Finance

•Survey of Business (Level I) – Term: year – 1 credit
•Computerized Accounting I (Level 2) – Term: year – 1 credit
•Computerized Accounting II_ (Level 3) Prerequisites: Computerized Accounting I – Term: year – 1 credit
Computerized Accounting II can fulfill a **Core** *4^{th} Math requirement – counts as a Career Focus for* **Smart Core**

Health Science

•Foundations of Sports Medicine – Term: year – 1 credit
•Pathology – Prerequisites: 1 semester of Biology – Term: Semester (Fall & Spring) – 0.5 credit
•Human Anatomy & Physiology (CTE) - Prerequisites: Both semesters of Biology - Term: year – 1 credit
•Abnormal Psychology – Term: Semester (Fall) – 0.5 credit
•Human Behavior Disorders – Term: Semester (Spring) – 0.5 credit
•Medical Terminology - Term: year – 1 credit

Hospitality and Tourism

•Survey Of Business (Level I) – Term: year – 1 credit
•Tourism Industry Management (Level 2) – Term: year – 1 credit
•Arkansas Hospitality And Tourism (Level 3) – Term: Semester (Spring) – 0.5 credit

Human Services

•Fashion Merchandising – Term: Semester (Spring) – 0.5 credit
•Personal Finance – Term: Semester (Fall & Spring) – 0.5 credit

Law, Public Safety

•Introduction To Criminal Justice – Term: year – 1 credit
•Criminal Law – Term: year – 1 credit

TEST Prep Resources (noncredit courses)

Students are responsible for the cost of these classes
•AP Prep Resources - **$35.00** – Students will have access to this test prep for the entire school year
This Resource contains lessons, practice test, video, and more to help students prepare for their AP end-of-year EXAM.
•ACT Prep Resources - **$35.00** – Students will have access to diagnostics tests, drills, videos, and content aligned to the reading, writing, math, science, and English portions of the ACT Test.
to this test prep for the entire school year

•ACT Prep and AP Prep Resources - **$50.00**

APEX CREDIT RECOVERY COURSES: Mostly core courses, students are able to recover credit for a previously failed or denied credit course with their counselor's recommendation. Aligned to state and national standards APEX is designed to actively engage students in learning; Apex Courses make rigorous, standards-based instruction accessible to all students. Complicated concepts are often presented as visuals or as interactive activities, which add an extra layer of practice to help learners master material—not just get through it. Along the way, they have access to multiple learning tools to help them understand and process the material.