



**CONWAY HIGH SCHOOL**  
**2019-2020**  
**COURSE CATALOG**

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# CONWAY HIGH SCHOOL COURSE CATALOG

## NOTE FROM PRINCIPALS

This course catalog is for you to select your courses for the 2019-2020 school year. It is the responsibility of the student and parent(s) to choose the appropriate career and graduation plan. Please give your graduation requirements and career goals careful thought and consideration as you fill out your course selection sheet.

Parent and student signatures on the selection sheet acknowledge approval for the courses chosen; therefore, there should be no need for changes. If you have any questions or concerns in filling out the course selection sheet, please call Conway High School at 450-4880 for grades 10, 11, and 12, or Conway Junior High School at 450-4860 for grade 9 and ask for the appropriate counselor. Thank you for your interest and concern.

Buck Bing, Principal  
Conway High School

Ben Darley, Principal  
Conway Junior High School

## ARKANSAS ACADEMIC CHALLENGE SCHOLARSHIP PROGRAM

The Arkansas Department of Higher Education sponsors the Arkansas Academic Challenge Scholarship Program (funded by the lottery) to recognize selected students for scholastic achievement as measured by their academic records and ACT scores. To be eligible, a student must graduate from an Arkansas public high school and earn a 19 or better composite score on the ACT. The Arkansas Academic Challenge Scholarship may be renewed for up to four years. Students should apply between October 1 and June 1 of their senior year.

## IMPORTANT CONSIDERATION WHEN PLANNING HIGH SCHOOL COURSEWORK

Students who hope to be in college athletic programs should be aware of NCAA and NAIA guidelines and choose high school courses appropriately. Information can be found on the NCAA website at [NCAAClearinghouse.net](http://NCAAClearinghouse.net). NAIA information may be found at [playnaia.com](http://playnaia.com).

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## COUNSELORS

### *GRADE 9 – Conway Junior High School*

Shawn Finch	A – F
Sandy Duncan	G – N
Tina Lampe	O – Z
Patrina Greenway	Intervention

### *GRADES 10, 11, 12 – Conway High School*

Seniors:  
Jan Armstrong      A – K  
Jeannie Moore      L – Z

Juniors & Sophomores:  
Sheila Counts      A – Go  
Kathie Houston      Gr – O  
Gerard Martin      P – Z

## MINIMUM CORE OF HIGH SCHOOL COURSES RECOMMENDED FOR PREPARATION FOR HIGHER EDUCATION

Research and the experience of students, faculty, and administrators indicate that students taking a solid high school core of courses have better test scores and greater success in institutions of higher education. To increase your chances of success, the following minimum core of courses is recommended:

- **English** - Four units with an emphasis on writing skills (not to include courses in oral communication);
- **Natural Science** - Three units, with labs, chosen from general biology, chemistry, or physics;
- **Mathematics** - Four units including Algebra I, Geometry, Algebra II, and 4<sup>th</sup> math higher than Algebra II;
- **Social Studies** - Three units, including one unit each of United States History and World History, and ½ unit of Civics and ½ unit of Economics;
- **Foreign Language** - Two units in one foreign language.

**NOTE: TO QUALIFY AS AN HONOR GRADUATE, SEE PAGE 8.**

## INFORMATION CONCERNING COURSE SELECTION

1. In counting credits for graduation, courses taken in grades nine through twelve are considered. Any credit-bearing courses at the 8<sup>th</sup> grade level will also be calculated for GPA and graduation purposes.
2. The following credits are given for courses:
  - 1/2 credit – one-semester course
  - 1 credit – one-year course
  - 2 credits – one-year, two-hour course
  - 1 credit – three-hour college course
3. Students selecting a one-year course will remain in that course for the full year.
4. In filling out the selection form, **ALL students will carry a class load of at least six (6) subjects and will remain in school for the full day.** Students may take:
  - Five academic courses, one activity course, and one study hall,

**OR**

Six academic courses and one study hall,

**OR**

Seven academic courses.

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## LOSS OF CREDIT DUE TO EXCESSIVE ABSENCES

Students with ten (10) unexcused absences in a course in a semester shall not receive credit for that course. If a student has 10 unexcused absences during a semester (in any class), the following procedures will be followed:

- A. The student must stay in the class and do the assigned work for the remainder of the semester.
- B. If the student has a failing grade in the course at the end of the semester, he will receive a grade of “F.”
- C. If the student has a passing grade in the course at the end of the term, he will receive a grade of “No Credit.”

# SMART CORE AND CORE CURRICULUM CHOICES

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## SMART CORE CURRICULUM (22 UNITS)

### English - 4 units (years)

- English 9th grade
- English 10th grade
- English 11th grade
- English 12th grade

### Oral Communications – ½ unit (1 semester)

### Mathematics - 4 units (years)

\*One unit must be taken in the 11<sup>th</sup> or 12 grade

- Algebra I – 1 unit
- Geometry – 1 unit
- Algebra II – 1 unit
- Beyond Algebra II – 1 unit

### Natural Science - 3 units (years)

- Biology – 1 unit
- Two units from the following three (3) options:  
Physical Science  
Chemistry  
Physics

### Social Studies - 3 units (years)

- Civics – ½ unit
- Economics – ½ unit
- World History – 1 unit
- U.S. History – 1 unit

### Physical Education – ½ unit (1 semester)

### Health and Safety – ½ unit (1 semester)

### Fine Arts – ½ unit (1 semester)

### Career Focus – Six (6) units

## CORE CURRICULUM (22 UNITS)

### English - 4 units (years)

- English 9th grade
- English 10th grade
- English 11th grade
- English 12th grade

### Oral Communications – ½ unit (1 semester)

### Mathematics - 4 units (years)

- Algebra or its equivalent\* 1 unit
- Geometry or its equivalent.\* 1 unit
- All math units must build on the base of algebra and geometry knowledge and skills.
- Comparable concurrent credit college courses may be substituted where applicable.

\*A two-year Algebra equivalent or a two-year Geometry equivalent may each be counted as two units of the four (4) unit requirement.

### Science – 3 units (years)

- At least one (1) unit of Biology
- At least one unit of a physical science

### Social Studies –3 units (years)

- Civics ½ unit
- Economics ½ unit
- World History 1 unit
- U.S. History 1 unit

### Physical Education – ½ unit (1 semester)

### Health and Safety – ½ unit (1 semester)

### Fine Arts – ½ unit (1 semester)

### Career Focus – Six (6) units

**\*CONWAY PUBLIC SCHOOLS REQUIRES 23 UNITS FOR GRADUATION.**

# SCHEDULE CHANGES

Schedule changes have serious effects both on each student's individual schedule and on the class size of the course into which he/she is transferring. Decisions about the number of sections per department are made in the spring based upon students' course selections during the registration process. Each student is registered individually and given ample opportunities to make his/her schedule choices. Students are expected to enroll in the classes they selected at that time.

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## 9<sup>th</sup> Grade Procedures Conway Junior High

1. During the first five days of a new semester, elective courses may be changed **IF** there is room in the class the student desires to add. Elective courses may be dropped for study hall after the 5<sup>th</sup> day. However, dropping an elective course after the first 5 weeks will result in a "WF" for that semester in that course.
2. Students enrolled in a full-year course will remain in that course for the full year. The only exception to dropping a year-long course at semester will be a student having a failing first semester grade (or a "D" with teacher recommendation).
3. Teachers cannot be selected - all teachers will work hard for the success of each student, and students are expected to work hard to be successful with the schedule received.
4. Changing from a Pre-AP class to a regular class will be considered during the first nine weeks and at semester with the following requirements:
  - Grade of less than 70 percent;
  - A parent/teacher/student conference has been held to discuss what can be done for the student to be successful in the current class;
  - Space is available in the regular class.
5. Students must always attend the classes on his/her schedule until receiving an official schedule from the counseling center reflecting the new class(es).

# SCHEDULE CHANGES

Schedule changes have serious effects both on each student's individual schedule and on the class size of the course into which he/she is transferring. Decisions about the number of sections per department are made in the spring based upon students' course selections during the registration process. Each student is registered individually and given ample opportunities to make his/her schedule choices. Students are expected to enroll in the classes they selected at that time.

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## 10<sup>th</sup>, 11<sup>th</sup>, 12<sup>th</sup> Grade Procedures Conway High School

- Schedule changes will be made only for the following reasons:
  - There was a misplacement due to lack of prerequisite or background;
  - A student earns credit over the summer;
  - A senior is not scheduled in a class needed for graduation;
  - There is a conflict in the master schedule that requires a schedule change.
- No classes will be changed after the 5th day of a new semester other than a student dropping a class and being placed in study hall (provided the student doesn't already have a study hall). A student must be registered for six (6) subjects each semester.
- Dropping any class after the first four (4) weeks will result in a "WF" for that semester in that course.
- Elective class changes are made only for classes that have an out-of-school practice/time commitment that can no longer be honored by the student.
- Students enrolled in a full-year elective course will remain in that course for the full year. The only exception to dropping a year-long course at semester will be a student having a failing first semester grade (or a "D" with teacher recommendation).
- Teachers cannot be selected. Schedules will not be changed to accommodate lunch preferences.
- Changing from an AP or Pre-AP class to a regular class will be considered at the end of the first five weeks, nine weeks, and at semester only, with the following requirements:
  - Grade lower than 70 percent;
  - A parent/teacher/student conference has been held to discuss what can be done for the student to be successful in the current class;
  - Space is available.
- Students must always attend the classes on his/her schedule until receiving an official schedule from the counseling center reflecting the new class(es).

## FULL DAY SCHEDULE

Students may be assigned to no more than one class period each day for a study hall period in which the student shall be required to attend and participate in a full class period of self-study or organized tutoring in the school building.

Enrollment and attendance in career and technical training courses, college courses, school work programs, and other Department of Education sanctioned educational programs may be used to satisfy the requirements of this section, even if the program is not located at the public schools.

## GRADING SYSTEM

Credit is based on Carnegie units. Therefore, a semester course is valued as one half (1/2) Carnegie unit. A year-long course is valued as one (1) Carnegie unit.

Grade Points	Weighted	Grading Scale	
A = 4	A = 5	90 - 100	A
B = 3	B = 4	80 - 89	B
C = 2	C = 3	70 - 79	C
D = 1	D = 2	60 - 69	D
F = 0	F = 0	0 - 59	F

## AUDITING A CLASS

In extenuating circumstances, a student may be allowed to audit a course. Audit is defined as attending class and completing assignments but not receiving official transcript credit. If a student audits a course, no grade replacement or addition will be allowed. All course audits require prior approval of the building principal.

## ADVANCED PLACEMENT (AP)

The Advanced Placement Program offers students the opportunity to take The College Board's Advanced Placement courses which allow students to take college level courses in high school that count toward high school graduation. Students may also obtain college credit through The College Board's AP Examination Program. To obtain college credit, students must earn scores on AP Exams acceptable to the college they decide to attend. The objective of the AP Program is for students to enter college with sophomore standing. Evidence exists that completion of a number of AP courses prepares students to compete on a higher level in college. There is also evidence that students who have completed AP courses in high school are more likely to become college graduates. AP courses are challenging, and students should be prepared to work at a high level of intensity in these courses.

Because of the difficulty of the course work, Advanced Placement courses carry a weighted grade. An A in an Advanced Placement course is worth 5.0 points, a B is 4.0, a C is 3.0 and a D is 2.0. Students should aspire to make an A in an AP course. A grade of 4.0 B is not an advantage, but neither is it a disadvantage in a student's Grade Point Average (GPA). Students must complete the year long AP course and take the AP Exam in that course to qualify for a weighted grade.

Many Advanced Placement courses carry prerequisites. Students who are interested in taking on the challenge of college level curriculum should inquire about taking Advanced Placement courses.

**A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**



# GRADUATION REQUIREMENTS

<u>Credits</u>	<u>Core</u>	
4	<b>English</b>	English 9, 10, 11, 12
3	<b>Science</b>	1 Physical Science 1 Biology 1 Chemistry, Physics, Anatomy & Physiology, or Environmental Science
4	<b>Mathematics</b>	<b>Four sequential units from the following:</b> Algebra I or its equivalent Geometry or its equivalent Algebra II 4 <sup>th</sup> Math higher than Algebra II
3	<b>Social Studies</b>	1 United States History 1 World History ½ Civics and ½ Economics
½	<b>Oral Communications</b>	
½	<b>Physical Education</b>	
½	<b>Health</b>	
½	<b>Fine Arts</b>	
7	<b>Electives</b>	
<b>23</b>	<b>TOTAL</b>	

*\*\*One course must be completed through a digital format.*

*\*\* Per Arkansas legislation, all students must pass a citizenship test.*

*\*\*Class of 2021 & following will be required to complete a course in either grade 10, 11 or 12 that includes specific personal finance standards.*

# HONOR GRADUATE REQUIREMENTS

The Conway Board of Education approves three levels of honors recognition for Conway graduates:

Honors:

- Completes all local graduation requirements for Core or Smart Core as defined by the State Board of Education and the Conway Board of Education
- And maintains a minimum grade point average (GPA) of 3.5000 or above
- And completes two (2) years of the same Foreign Language OR completes one (1) year of Foreign Language and is a \*Vocational Completer
- And completes a minimum of one (1) AP Course and/or one (1) IB Course
- And has no failing grades in a credit-bearing course
- And has no loss of credit due to attendance
- And has no withdraw/failing (W/F) credit courses on transcript

High Honors:

- Completes the minimum core of classes required by Smart Core as defined by the State Board of Higher Education, the State Board of Education, and the Conway Board of Education
- And maintains a minimum grade point average (GPA) of 3.7500 or above
- And completes two (2) years of the same Foreign Language
- And completes a minimum of three (3) AP Courses and/or three (3) IB Courses
- And has no failing grades in a \*\*credit-bearing course
- And has no loss of credit due to attendance
- And has no withdraw/failing (W/F) credit courses on transcript

Distinguished High Honors:

- Completes the minimum core of classes recommended for Smart Core as defined by the State Board of Higher Education, the State Board of Education, and the Conway Board of Education
- And maintains a minimum grade point average (GPA) of 4.0000 or above
- And completes two (2) years of the same Foreign Language
- And completes a minimum of six (6) AP Courses and/or six (6) IB Courses
- And has no failing grades in a \*\*credit-bearing course
- And has no loss of credit due to attendance
- And has no withdraw/failing (W/F) credit courses on transcript

\*Vocational Completer” must complete a minimum of three (3) specific units in one specific area.

\*\* Credit-bearing courses must be derived from an accredited public or private school.

GPA will be calculated on all accumulated credits through the spring semester of the senior year. Students with an IEP or 504 plan are included to the extent that the courses that they have taken and successfully completed meet the course requirements for graduation as established by the State Boards of Education.

## Career & Technical Articulated Credit/Concurrent Credit

Students may earn college credit for specific courses taken while a student at Conway High School. Several community colleges in central Arkansas have reviewed our curriculum and agreed that students are covering the same items as in many of the college classes. Therefore, they have agreed to extend college credit to those students who have successfully completed the high school course. Students must successfully complete the course with a minimum grade of B each semester.

**Articulated Credit:** Once the student enrolls at the college, the college will extend credit to the student.

**Concurrent Credit:** The student enrolls online with ASU-Beebe, pays the \$52 a credit hour and receives credit with ASU-Beebe and Conway High School.

CHS Course	ASU-Beebe Concurrent Credit	UA-PTC Concurrent Credit	UCA Concurrent Credit	ASU-Beebe Articulated Credit	UACCM Articulated Credit
<b>Agricultural Science</b>					
Plant Science				3	
<b>Business</b>					
Accounting I					
Accounting II				3	3
Comp Business Applications				3	
Entrepreneurship				1	3
Tourism Industry Mgmt.				3	
Hospitality Administration	3			3	
Programming I					
Programming II				3	
AP Comp Science Principles				4	3
AP Computer Science				4	
<b>Family &amp; Consumer Science</b>					
Child Develop/Parenting					
Childcare Guidance, Mgmt					3
Nutrition & Wellness				2	
Teacher Cadet			6		
<b>Health Science</b>					
Medical Terminology				3	
Emergency Medical Responder (EMR)		3			
Emergency Medical Technician (EMT)		6			
<b>Skilled &amp; Technical</b>					
Auto Collision I, II, III	12			9	3
CS w/Net Hardware I & II	4			8	6
CS w/Net Hardware III & IV	4				3
Drafting & Design/CADD I	4			4	6
Arch Drafting/CADD II	3			3	
Welding I	4			4	
Welding II	4			4	5
Photography				3	

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# INTERNSHIP PROGRAM

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## 493860 INTERNSHIP

Grade Level: 11, 12

Credit: 2 Units

Prerequisites: - A 2.0 or better cumulative GPA

- A 3.0 or better GPA in at least 2 units of career focus classes

- Less than 6 absences during the current school year

- Be at least 16 years of age

- Students must have taken, or take concurrently, an additional 1 unit career focus course

The Internship is for serious students who plan to continue their education toward a career within the career focus area. Students will begin work earning a minimum of \$.25 above minimum wage with the chance of promotion every 500 hours worked with good evaluation. Students may work full time during the summer. During the school year, students work approximately 12-20 hours per week. Most students are dismissed after 5<sup>th</sup> period for work. Students must provide their own transportation.

Internships are available in the following areas:

- Agricultural Science
- Architectural Drafting and Design
- Automotive Collision Repair
- Child Care
- Computer Applications
- Computer Engineering
- Construction Trades
- Culinary Arts
- Finance
- Health Sciences
- Hospitality
- Photography
- ProStart
- Teacher Training
- Welding

The career focuses will determine other areas of availability. More information about the career focus areas can be found on pages 11-13.

**PROCEDURE** - Students interested in an internship should fill out an application,

- Secure 4 recommendations – 2 from core academic teachers

1 from a career focus teacher

1 from outside the educational field

- Secure a job within the career focus field (*This one step does not guarantee placement within the program. All other criteria must be met.*)

- Submit a resumé

Students are expected to join the Career & Technical Student Organization with which their career focus is affiliated (FBLA, FCCLA, FFA, HOSA, SkillsUSA).

For more information, contact:

Melanie Bell

Internship Coordinator

Conway Area Career Center

Room 907 Office

Phone 501-450-4893

Email [bellm@conwayschools.net](mailto:bellm@conwayschools.net)

## CAREER FOCUS

**Students are encouraged to complete 3 credits within a Career Focus. To earn a Completer cord, students must meet the requirements outlined below.**

<b>Agriculture</b>		
<b>Plant Systems</b>		<b>Animal Systems</b>
Survey of Agricultural Systems (1)		Survey of Agriculture Systems (1)
Plant Science (1)		Animal Science (1)
1 unit from the following (some courses are offered every other year): Floriculture (.5 units) Veg & Fruit Production (.5)		1 unit from the following (some courses are offered every other year): Vet Science (1) Equine Science (.5) Beef Science (.5) Poultry Science (.5)
Electives: Aquaculture (.5) Floriculture (.5) Leadership & Comm. (.5) Vet Science (1) Beef Science (.5) Equine Science (.5) Veg. & Fruit Production (.5)		
<b>Army Junior Reserve Officer Training Corp (JROTC)</b>		
JROTC I, II, III (1 each)		
<b>Business</b>		
<b>Accounting</b>	<b>Banking</b>	<b>Entrepreneurship</b>
Computer Bus. Appl. (1)	Comp. Bus. Appl. (1)	Comp. Bus. Appl. (1)
Computerized Accounting I (1)	Principles of Banking (1)	Entrepreneurship (1)
Computerized Accounting II (1) <b>Non-Business:</b> Internship (1)	1 unit from the following: Computerized Accounting I (1), Securities, Investments, Risk and Insurance (1), Social Media and Comm (1) <b>Non-business:</b> Internship (1)	1 unit from the following: Computerized Accounting I (1), Fashion Merchandising (.5), Sports & Entertainment Marketing (.5), <b>Non-business:</b> Internship (1)
<b>Hospitality &amp; Tourism</b>		
Computer Bus. Appl. (1)		
Tourism Industry Management (1)		
1 unit from the following: Arkansas Tourism Industry (.5), Computerized Accounting I (1), Entrepreneurship (1), Hospitality Administration (.5), Marketing (1), Social Media & Comm (1) <b>Non-business:</b> Financial Literacy (.5), Internship (1)		

<b>Family &amp; Consumer Sciences</b>		
<b>Childcare Guidance</b>	<b>Education &amp; Training</b>	<b>Family &amp; Consumer Sciences</b>
Child Dev/Parenting (1)	Orientation to Teaching (1)	Family & Consumer Science (1)
Childcare Guidance (1)	Child Dev/Parenting (1)	Child Dev/Parenting (1)
1 unit from the following: Family & Consumer Science (1) Human Relations (.5) Leadership & Serv. Learning (.5) Nutrition & Wellness (.5) Food Safety & Nutrition (1)	1 unit from the following: Family & Consumer Science (1) Human Relations (.5) Leadership & Serv. Learning (.5)	1 unit from the following: Human Relations (.5) Leadership & Serv. Learning (.5) Child Dev/Parenting (1) Financial Literacy (.5) Nutrition & Wellness (.5) Chemistry of Food (1) Housing & Int Design (.5) Food Safety & Nutrition (1)
<b>Advanced Nutrition &amp; Dietetics</b>	<b>Culinary Arts</b>	
Adv. Nutrition & Dietetics (1)	Pro Start I & II and Intro. To Culinary Arts (2)	
Chemistry of Food (1)	Culinary Arts I & II (2)	
Food Safety & Nutrition (1)		
1 unit from the following: Family & Consumer Sci (1) Human Relations (.5) Leadership & Serv. Learning (.5) Nutrition & Wellness (.5)		
Medical Terminology (.5)		
<b>Photography</b>		
Intro. To Photography (1)	Intermediate Photography (1)	Adv. Photography (1)
<b>STEM</b>		
<b>Programming</b>	<b>Drafting &amp; Design</b>	<b>Computer Science Networking/Hardware</b>
Computer Science w/Programming/Coding Emphasis (Level 1) (.5)	Drafting & Design Architecture/CADD (2)	Computer Science w/Networking /Hardware Emphasis (Level 1 and 2) (2)
Computer Science w/Programming/Code Emphasis (Level 2) (.5)	Architecture/CADD II Engineering/CADD I (2)	Computer Science w/Networking /Hardware Emphasis (Level 3 and 4) (2)
Computer Science w/Programming/Code Emphasis (Level 3) (.5)	Elective: Engineering/CADD III Engineering/CADD Lab (2)	
Computer Science w/Programming/Code Emphasis (Level 4) (.5)		
AP Computer Science A (1)		

<b>Technical &amp; Profession</b>		
<b>Automotive Collision Repair</b>	<b>Construction Technology</b>	<b>Welding</b>
Non-Structural Analysis/Repair with lab (2)	Construction Technology I Carpentry/Construction Fundamentals (2)	Welding I Gas Metal Arc/Shielding Metal Arc (2)
Structural Analysis with lab (2)	Construction Technology II – Plumbing or Electrical (2)	Welding II Gas Tungsten Arc/Metal Fabrication (2)
<b>Health Science Technology Medical Professions</b>		
Human Anatomy & Physiology (1)		
Foundations of Healthcare (1)		
Electives: CNA (.5), EMT (1), EMR (First Responder) (.5), Medical Terminology (.5), Pathology (1)		

# **Conway High School**

## **Concurrent Credit Program**

### Introduction

Concurrent credit is a cooperative program between Conway High School and the University of Central Arkansas through which high school students may enroll in college-level courses prior to graduation. Through concurrent credit, approved high school teachers teach University of Central Arkansas' courses during the high school schedule. The course materials, assignments, and grading standards used in the courses must meet the same standards as other University of Central Arkansas courses.

Courses taught through concurrent credit are college courses; therefore, they make greater demands on a student's ability to conceptualize, understand implications, draw conclusions from, and apply what is learned more than do most high school courses. The courses go into greater depth, require more time and work, and challenge students to greater accomplishments. Students must be willing to accept these challenges when registering for a concurrent credit course. A three hour college course is equivalent to 1 full high school credit and the grade in the course will count twice in the grade point average during the semester the course is taken.

### Enrollment Requirements

Conway High School students who have successfully completed the prerequisite high school coursework and meet the following requirements are eligible for concurrent credit courses:

- An ACT composite score of at least 20 AND
- An ACT reading score of at least 19
- If taking College Writing, student must ALSO have an ACT English score of at least 19
- If taking College Algebra, student must ALSO have an ACT math score of at least 19
- The last ACT score to be considered for eligibility will be the April test
- Cumulative GPA of 3.0 or better
- Recommendation of the principal

### Registration Requirements

Students in this program are official UCA part-time pre-baccalaureate students, and they must register for the courses like any other college student. All official student records for concurrent credit sections of the UCA courses are maintained by the UCA registrar's office. In addition to following the required registration process for selecting Conway High School courses, students must also complete a UCA application form, a concurrent credit enrollment form, and a record release form.

UCA will determine cost of tuition. Textbooks are the responsibility of the student and MAY be provided for some courses by Conway Public Schools at no charge to the student. Textbooks provided for these courses are the property of Conway Public Schools and must be returned at the completion of the course. Students will be responsible for charges for lost or damaged textbooks. Some courses may require the student to purchase his/her own textbook.

### Student Benefits

Since students enrolled in concurrent enrollment courses are considered to be enrolled at UCA, these students receive a student identification card. This I.D. card permits the student to use the UCA library and access the library's on-line services.



# COURSE DESCRIPTIONS

## AGRICULTURAL SCIENCE

Students enrolled in Agricultural Science courses are encouraged to join the FFA chapter. Dues are \$30 annually. All courses will involve Supervised Agricultural Experiences (SAE) and on- and off-campus labs and work in greenhouses. FFA events, contests, safety and environmental concerns will also be addressed in each class.

**To be a completer in this program of study, students must take Survey of Agricultural Systems. This course should be taken before other agriculture classes.**

### SURVEY OF AGRICULTURAL SYSTEMS 491150

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

This is the foundation course for all other agriculture courses. Students will study the various segments of the agriculture industry. Basic plant, animal, horticulture, aquaculture, wildlife and soil sciences along with agriculture business and mechanical skills will be introduced. FFA Career Development Events and SAE projects will be introduced.

### AQUACULTURE 491190

Grade Level: 10, 11, 12  
Credit: ½ Unit

**Prerequisite or concurrently:** Survey of Agricultural Systems

This course will involve the study of freshwater fish and other aquatic life for profit and recreation. Students will actively produce fish in the aquaculture lab. Water quality and environmental and safety issues will be addressed.

### ANIMAL SCIENCE 491180

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

**Prerequisite or concurrently:** Survey of Agricultural Systems

This course is structured to enable all students to have an overview of the Animal Science Industry. Topics covered include the Animal Industry, Animal Handling and Safety, Nutrition, Reproduction, Genetics, and Marketing. Opportunities are provided for students to participate in FFA and supervised experience activities. Hands-on activities include learning to create feed for animals, dairy labs, artificial insemination and dairy labs.

### BEEF SCIENCE 491430

Grade Level: 11, 12  
Credit: ½ Unit

**Prerequisite:** Survey of Agricultural Systems and Animal Science

This course allows for an in-depth look at the beef science industry while providing hands on laboratories and opportunities to participate in FFA and supervised agricultural experiences. Areas include the rearing, care, marketing and evaluation of beef cattle.

### EQUINE SCIENCE 491420 (NOT OFFERED DURING 2019-2020 SCHOOL YEAR)

Grade Level: 11, 12  
Credit: ½ Unit

**Prerequisite:** Survey of Agricultural Systems and Animal Science

This course allows for an in-depth look at the equine industry while providing hands-on laboratories and opportunities to participate in

FFA and supervised agricultural experiences. Areas include the rearing and care of equine as well as the identification of horse breeds, markings, and tack.

**FLORICULTURE 491240**  
**(NOT OFFERED DURING 2019-2020**  
**SCHOOL YEAR)**

Grade Level: 10, 11, 12

Credit: ½ Unit

**Prerequisite or concurrently:** Survey of Agricultural Systems

This course will give the students knowledge of the floriculture industry, including design and marketing information. Careers, principles of design, selection and storage of cut flowers, foliage, and supplies will be covered. Students will also be involved in the greenhouse production aspect of this industry. This course will only be offered every alternating year.

**LEADERSHIP AND COMMUNICATIONS**  
491300  
**(NOT OFFERED DURING 2019-2020**  
**SCHOOL YEAR)**

Grade Level: 10, 11, 12

Credit: ½ Unit

**Prerequisite or concurrently:** Survey of Agricultural Systems

This class will assist students in development of their leadership skills for the future. Major topics will include public speaking, parliamentary procedure, organization, delegation, oral communication, conflict resolution, business etiquette, and community service. FFA officers and students interested in FFA competitions are encouraged to take this class.

**PLANT SCIENCE 491340**

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite or concurrently:** Survey of Agricultural Systems

This 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, turf grass, trees, shrubs, and/or ornamental plants. This is the most hands-on course offering in agriculture, while providing opportunities in FFA and SAE projects.

**Articulated Credit – See Page 9**

**POULTRY SCIENCE 491440**

Grade Level: 11, 12

Credit: ½ Unit

**Prerequisite:** Survey of Agricultural Systems and Animal Science

This course allows for an in-depth look at the poultry industry while providing hands-on laboratories and opportunities to participate in FFA and supervised agricultural experiences. Areas include the raising, care, and marketing of poultry in large scale operations. Poultry is Arkansas' fastest growing agriculture industry, opening more jobs for college graduates than any other animal science field.

**VEGETABLE AND FRUIT PRODUCTION**  
491130

Grade Level: 11, 12

Credit: ½ Unit

**Prerequisite or concurrently:** Survey of Agricultural Systems and Plant Science

This course allows for an in-depth look at the vegetable and fruit industry while providing hands-on laboratories and opportunities. Hands-on activities include managing our farm to school gardens, greenhouse labs, and maintaining the aquaponics system.

## **VET SCIENCE 491460**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Survey of Agricultural Systems and 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. It will equip the next generation of veterinarians and veterinarian assistants with the new technological tools that reinforce our industry's expectations. Finally, it provides academic knowledge, higher order reasoning and problem solving skills, work attitudes, general employability skills, technical skills and occupational skills.

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## **BUSINESS**

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Students enrolled in Business courses are encouraged to join Future Business Leaders of America (FBLA). Dues are \$20.00 annually, which affiliates the student with local, state and national FBLA membership. FBLA has district, state, and national leadership conferences and competitions that offer participants training and scholarship opportunities.

**To be a completer in any Business program of study, you must successfully complete Computerized Business Applications.**

## **ARKANSAS TOURISM INDUSTRY 492230**

Grade Level: 10, 11, 12

Credit: ½ Unit

**Prerequisite:** Computer Business Applications

Arkansas Tourism Industry 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 with the various geographical locations in the state.

## **PRINCIPLES OF BANKING 492090**

Grade Level: 10, 11, 12

Credit: 1 Unit

Principles of Banking is a one-year course that 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. A practical application will involve working in CATS Bank. Successful completion or concurrent enrollment in Computerized Accounting I is recommended. Students can now receive a certificate from the Arkansas Bankers Association to present at a bank for employment as proof of completion.

## **COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS (Level 1) 465010**

Grade Level: 9, 10, 11, 12

Credit: ½ Unit

This class offers students the opportunity to explore three distinct areas in computer science: networking, information security, and programming/coding, however the focus will be on the programming/coding aspects of computer science. Students will develop knowledge in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Emphasis is placed on making real-world connections between students,

course topics, and programming in the field of computer science.

**COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS (Level 2) 465020**

Grade Level: 9, 10, 11, 12  
Credit: ½ Unit

This course expands upon the concepts covered in the Introduction to Computer Science (Level 1) course and places significant emphasis on developing proficiency in computer programming/coding. Students will learn how to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science. **Completion of Level I and Level II will qualify as a Flex Credit (substitute for a student's 3<sup>rd</sup> science or 4<sup>th</sup> math credit).**

**Articulated Credit – See Page 9**

**COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS (Level 3) 465030**

Grade Level: 10, 11, 12  
Credit: ½ Unit

This course expands upon the concepts covered in the Computer Science Level 1 & Level 2 courses and places significant emphasis on developing proficiency in computer programming/coding. Students will learn how to analyze increasingly complex problems and develop efficient solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science.

**COMPUTER SCIENCE WITH PROGRAMMING/CODING EMPHASIS (Level 4) 465040**

Grade Level: 10, 11, 12  
Credit: ½ Unit

This course expands upon the concepts covered in the Computer Science Level 1, Level 2, and Level 3 courses and places significant emphasis on developing proficiency in computer programming/coding. Students will learn how to analyze increasingly complex problems and develop efficient solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science. **Completion of Level III and Level IV will qualify as a Flex Credit (substitute for a student's 3<sup>rd</sup> science or 4<sup>th</sup> math credit).**

**AP COMPUTER SCIENCE A 565110/565120**

Grade Level: 10, 11, 12  
Credit: 1 Unit

Recommended: Programming I, Programming II, and a C or better in Algebra II or currently enrolled in Algebra II.

Computer Science A – AP is a full-year course emphasizing object-oriented programming methodology with an emphasis on problem solving and algorithm development. It also includes the study of data structures and abstraction. Computer Science A is the equivalent of a first-semester college-level course in computer science, and students who score sufficiently high on the AP exam may be granted college credit from participating universities. This course is highly recommended for those planning on majoring in mathematics, computer science, engineering, CISQA, or other related technical fields. **Completion of this course will qualify as a Flex Credit (substitute for a student's 3<sup>rd</sup> science or 4<sup>th</sup> math credit).**

**A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**  
**Articulated Credit – See Page 9**

**AP COMPUTER SCIENCE PRINCIPLES**  
565010/565020

Grade Level: 10, 11, 12  
Credit: 1 Unit

AP Computer Science Principles introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The rigorous course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. The course is unique in its focus on fostering students to be creative. Students are encouraged to apply creative processes when developing computational artifacts and to think creatively while using simulations to explore questions that interest them. **Completion of this course will qualify as a Flex Credit (substitute for a student's 3<sup>rd</sup> science or 4<sup>th</sup> math credit).**

**A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**  
**Articulated Credit – See Page 9**

**COMPUTERIZED ACCOUNTING I 492100**

Grade Level: 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Computer Business Applications

Computerized Accounting I is a year long course with emphasis on 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 492110**

Grade Level: 11, 12  
Credit: 1 Unit

**Prerequisite:** Computerized Accounting I

Computerized Accounting II is a full-year course that expands on skills learned in Computerized Accounting I. Emphasis will be given to departmental and corporate accounting systems. Computerized accounting processes are integrated into instruction.

**Articulated Credit – See Page 9**

**COMPUTERIZED BUSINESS APPLICATIONS (CBA) 492120**

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Keyboarding

This full year course is an introduction to the business applications of word processing, database, spreadsheet, visual presentation, integrated activities and web page design. Emphasis is given to software concepts and business uses of applications that are necessary to live and work in a technological society. Successful completion of this class should prepare students to pass the exam to earn the nationally recognized industry standard IC3 certification. **Articulated Credit – See Page 9**

**ENTREPRENEURSHIP** 492170

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Computer Business Applications

Entrepreneurship is a one-year study of business ownership, organization, management, and finance. It incorporates an overview of various economic applications with an emphasis on technology in the business world. Students will be exposed to legal, ethical, and social obligations of business; savings and investments; and taxes and governments, while formulating their own business plan. Successful completion or concurrent enrollment in Computerized Accounting I is recommended.

**Articulated Credit – See Page 9**

**FASHION MERCHANDISING** 492190

Grade Level: 9, 10, 11, 12

Credit: ½ Unit

Fashion Merchandising is a one-semester course designed to offer an overview of the fashion industry. It provides the foundation in preparing students for a wide range of careers available in the different levels of the fashion industry. Emphasis is given to historical development, textiles, manufacturers, merchandising, domestic and foreign markets, accessories, and retailing.

**GAME DESIGN** 464650

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** A 3.0 or better average in Computer Science Emphasis in Programming (any two levels), AP Computer Science A, AND teacher approval

Upon successful completion of the Advanced Placement Computer Science A course, qualifying students can enroll in the Game Design course. This course will use a game design programming environment to explore,

apply, and advance toward mastery of data structures and algorithms, data representation, algorithm design and program efficiency. Students will accomplish tasks and solve problems independently and collaboratively with the tools and skills needed to be successful in college and careers.

**HOSPITALITY ADMINISTRATION** 492250

Grade Level: 10, 11, 12

Credit: ½ Unit

**Prerequisite:** Computer Business Applications

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.

**Articulated Credit – See Page 9**

**MARKETING** 492330

Grade Level: 10, 11, 12

Credit: 1 Unit

Marketing students will find out what it takes to market a product or service in today's fast-paced business environment. Students will learn the fundamentals of marketing using real-world business examples. Students will learn about buyer behavior, marketing research principles, demand analysis, distribution, financing, pricing, and product management.

**SIRI – SECURITIES, INVESTMENTS, RISK & INSURANCE** 492000

Grade Level: 10, 11, 12

Credit: 1 Unit

This course provides students with the tools and techniques needed for short-term earnings

and long-term saving and investing strategies while emphasizing an understanding of the value of money, in addition to ethical and professional characteristics. Project-based learning opportunities will be used to introduce students to the real-world applications of insurance planning, risk management, and investment avenues of personal financial planning. The purpose of this course is twofold: The first is to teach students the fundamentals and benefits of investing for life-long financial health, insurance, risk-management, and investing; the second is to introduce students to career opportunities within the financial planning and insurance industries.

### **SOCIAL MEDIA AND COMMUNICATIONS** 492760

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

This is a one-year course that enhances job search and employability skills along with communication skills. Students will create an online electronic career portfolio and social media campaign focused on an individual career path. Productivity programs will be used to create documents related to employment in a business-related field. Students will also create career-related documents according to professional layout and design principles, and will learn the photo and video editing skills needed to create promotional and informational business communications and viral marketing campaigns. Adobe CC software will be used, along with other apps.

### **SPORTS & ENTERTAINMENT MARKETING** 492640

Grade Level: 9, 10, 11, 12  
Credit: ½ Unit

This one-semester course is designed to provide students with an understanding of

marketing concepts, foundations, and functions as they relate to career opportunities in the growing area of sports and entertainment. Instruction will focus on public relations and publicity, event planning and marketing, sponsorship, venue design, concessions, risk management, product planning, licensing, ticket sales, and distribution.

### **TOURISM INDUSTRY MANAGEMENT** 492260

Grade Level: 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Computer Business Applications

Tourism Industry Management is a two semester course. 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.

**Articulated Credit – See Page 9**

### **SENIOR TECHNOLOGY SEMINAR** 492550

Grade Level: 12  
Credit: 1 Unit

**Prerequisite:** A 3.0 or better average in Social Media & Communications AND teacher approval

Senior Technology Seminar is a full-year project-based course where students work through community-based projects and activities that utilize technical skills and knowledge combined with in-demand soft skills such as effective verbal and written communication, teamwork and collaboration, time management, creative and critical thinking, and problem-solving.

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## FAMILY AND CONSUMER SCIENCES

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Students enrolled in Family and Consumer Sciences courses are encouraged to join Family, Career and Community Leaders of America (FCCLA). Dues are \$25.00 annually, which affiliates the student with local, state and national FCCLA membership (and includes a t-shirt). FCCLA has district, state, and national leadership conferences and competitions that offer participants training and scholarships opportunities.

### ADVANCED NUTRITION & DIETETICS 493340

Grade Level: 12

Credit: 1 Unit

**Prerequisite:** Family & Consumer Science or Food Safety & Nutrition AND Chemistry of Food (or taking concurrently)

Advanced Nutrition and Dietetics emphasizes the profession of nutrition and dietetics, the professional role of the dietitian, and career opportunities in nutrition and dietetics. The student will explore nutritive processes, nutritional needs for various stages of the life cycle, therapeutic diets, dietary modifications, and timely nutrition-related issues. Critical thinking skills will be used to investigate scientific, consumer-oriented, and global aspects of nutrition, as well as programs, policies, and institutions that influence nutrition services at the local, state, and national levels. Laboratory instruction and work-based learning opportunities should be provided through the course curriculum. Students in this class are required to participate in the Student Wellness Advocacy Group (SWAG).

### CHEMISTRY OF FOOD 493130

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Family & Consumer Science or Food Safety & Nutrition AND Chemistry (or taking concurrently)

Experiences focus on the scientific method to study the various relationships between food science, nutrition, and food preparation. Laboratory skills developed in measuring, recording, and analyzing data are used to explore these relationships. Experimental methods are employed to analyze food mixtures, food microbiology, food preservations, and complex food systems. **Students with food allergies are not recommended for this class. There will be a \$20.00 fee for purchase of a lab coat for each student.**

### CHILDCARE GUIDANCE, MANAGEMENT & SERVICES 493010

Grade Level: 10, 11, 12

Credit: 1 Unit

Experiences in this course are designed to provide students with information and experiences in the occupational field of child care guidance, management and services. Employment opportunities include child care and guidance, foster care, family day care, and teacher assistants. Emphasis in this course is given to development of competencies related to FCCLA, employability, understanding the child care profession, child development, health and safety of children, guiding children's behavior, guiding special needs children, planning and management of a child care program and facility, and the effect of technology in child care and guidance management and services. Upon successful completion of this course, students will receive state certification as child care teacher, child care assistant, or child care aide. The level of certification depends on the number of FACS



courses taken in the child care program of study. A minimum of 40 hours of hands-on laboratory experience in a child care facility is also required for certification. **Students must complete a Child Maltreatment Background Check before entering this class and must follow all personnel policy guidelines of the child care facility.** *This course will be offered as a two-hour block during the same semester.* This course will help interested students pursue the Child Development Associate Credential (CDA).

**Articulated Credit – See Page 9**

### **CHILD DEVELOPMENT/PARENTING**

493020

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

Child Development/Parenting is a year long course that focuses on skills needed to guide the physical, intellectual, emotional, and social development of children, and assist students in developing an understanding of the parenting process and of parenting skills. This course offers the opportunity to develop a positive understanding of the growth and development of children ages 0-12 and class activities will emphasize the responsibilities and challenges of parenting. **Students will need permission to watch child birthing videos and STD PowerPoints for this course.**

**Articulated Credit – See Page 9**

### **CULINARY ARTS I**

**CULINARY LAB** 493260/493460

Grade: 11

Credit: 2 units

This course is designed to provide students with a rigorous study of the professional kitchen (including kitchen math, recipe conversion, and menu costing) and in depth hands-on culinary applications, service, and presentation. Students will pass an industry standard safety and sanitation test before entering the kitchen.

**Note: Students with food allergies are not recommended for the food classes. A \$20.00 fee for uniform purchase is required. There is also a fee for the National ServSafe exam.**

### **FAMILY AND CONSUMER SCIENCES**

493080

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

Family and Consumer Sciences 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 the development of competencies related to Family, Career, and Community Leaders of America: individual and family relationships; housing and interior design; wardrobe planning and selection; garment care and construction; the physical, emotional social and intellectual development of children; nutrition and food selection; healthy lifestyle choices; meal planning, preparation and service; home management; money management; the application of current technology in the home and workplace. Upon completion of this course, the student should have developed life skills that promote a positive influence on the quality of life.

### **FOOD SAFETY & NUTRITION** 493110

Grade Level: 10, 11, 12

Credit: 1 Unit

This course focuses on Food Safety, using the ServSafe certification process. This process takes the entire first semester. The second semester focuses on the nutritional needs of the individual and the family. Students will apply sound nutritional practices that will have a positive effect on overall health. Food Safety focuses on the development of essential food safety practices needed to select, receive, store, prepare, and serve food. Students will learn to create and implement an environment of food safety procedures based on the latest FDA Food

Code and local regulations. Upon completion of this course, students should be able to apply sound sanitation practices which will have a positive effect on their health. Skills learned are applicable to the National Restaurant Association, ServSafe Certification. Students will take Arkansas Foodhandlers Exam and ServSafe Exam. **The ServSafe Certification Exam is required at a cost of \$15.00.**

### **HOUSING & INTERIOR DESIGN** 493140

Grade Level: 10, 11, 12  
Credit: ½ Unit

Housing and Interior Design focuses on personal and family housing needs, options for meeting those needs, and the role of the housing industry in the economy. Emphasis is given to the development of competencies related to housing needs of the individual and family; housing options, trends in housing, financial and legal commitments related to housing, home construction, art principles as applied to housing and interiors; selection, care, arrangement of home furnishings and appliances, and energy conservation. Upon completion of this course, a student should be prepared to make wise decisions in obtaining and maintaining personal and family shelter.

### **HUMAN RELATIONS** 493150

Grade Level: 9, 10, 11, 12  
Credit: ½ Unit

Human Relations focuses on the development of skills needed in order to build and maintain successful relationships in the home, community, and workplace. Emphasis is given to the development of competencies related to personality development, decision-making, communication, relationships outside the family and careers in the field of human relations. Upon completion of this course, the student should have a better understanding of self; know how to communicate effectively; and be able to establish and maintain effective

relationships with family members, peers, and others.

### **LEADERSHIP & SERVICE LEARNING** 493160

Grade Level: 10, 11, 12  
Credit: ½ Unit

This course emphasizes the importance of leadership skills, volunteerism, and professionalism in the development of personal qualities. It focuses on the benefits of community service, leadership roles, and civic responsibilities. Students are required to complete 20 hours of community service outside of school. Students are encouraged to explore areas of critical and creative thinking, responsibility, and cultural awareness as they relate to character development. Current technology is used to enhance communication skills and promote professionalism.

### **NUTRITION & WELLNESS** 493200

Grade: 9, 10, 11, 12  
Credit: ½ Unit

Nutrition and Wellness emphasizes the interaction of nutrition, foods, sports, and exercise for lifelong fitness and well-being of individuals and families. The quality lifestyle impacts physical, emotional, and social health on a daily basis. The choices made today will affect life expectancy, reproductive health, and risk factors for disease. The ability to competently plan strategies for choosing, acquiring, preparing and storing foods will affect overall health and wellness. Light-moderate physical activity is a requirement. Food allergies must be reported to the teacher.

**Articulated Credit – See Page 9**

**ORIENTATION TO TEACHING -  
TEACHER CADET PROGRAM 497100**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Minimum GPA of 3.0

Application and interview process to be admitted.

The Teacher Cadet program uses an innovative approach designed to attract talented young people to the teaching profession through a challenging introduction to teaching. The course is designed to address the role of the educator as a life-long learner; provide students with an overview of the structure of the American public school, both as an institution and its role in society; address current trends and issues having an impact on education; and explore the process of preparation and licensure. This course will be offered as a two-hour block during the same semester. Students will participate in observations at elementary, middle and Jr. High schools. Transportation is highly recommended. **Students have the opportunity to earn 6 hours of concurrent college credit through UCA. The cost is \$10.00 per college hour (\$60 total). Must have minimum of 20 Composite and 19 Reading scores on the ACT to qualify for concurrent credit.**

**PERSONAL FINANCE 491990**

Grade Level: 10, 11, 12

Credit: ½ Unit

This course is designed to increase financial literacy among high school students and prepare them to successfully manage their personal and family resources. Emphasis is given to the development of competencies related to life goals and decisions, preparing to earn, understanding your paycheck, financial planning and banking, insurance, credit, consumer skills, and housing and transportation costs. Upon completion of this course, students

will have the ability to handle financial responsibilities effectively now and in the future.

**CULINARY ARTS II**

**CULINARY LAB 493270/493461**

Grade: 12

Credit: 2 Units

**Prerequisite:** Culinary Arts I

This course is designed to provide students with basic knowledge and understanding of culinary arts, covering such topics as basic cooking techniques, menu planning, basic nutrition, culinary math, safety, and sanitation. This course is required to complete the Culinary Arts I and Culinary Arts II program of study. The Culinary Arts program uses the ProStart curriculum. This is a professional restaurant management and culinary arts curriculum developed by the National Restaurant Association that gives students the opportunity to explore the many careers in the food industry. This program includes food preparation and service experiences in commercial and institutional operations related to restaurants, catering, and banquets. After the completion of Culinary Arts I and II plus 400 hours of paid mentored work experience, a student may take the National Restaurant Exam to receive a certificate of completion. Articulation agreements and scholarship opportunities are available for several postsecondary schools. This is an exciting course that prepares the students for endless opportunities to begin a career in the hospitality industry at a step above entry level.

**Note: Students with food allergies are not recommended for the food classes. There is a \$25.00 fee for lab coat/hat and a \$30.00 fee for national exam.**

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## FINE ARTS

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### **VISUAL ART APPRECIATION** 453100

Grade Level: 9, 10, 11, 12  
Credit: ½ Unit

This is a semester long art course that is full of variety. Students will get to experiment with various art materials. Special tricks will be revealed that explain how artists use tools and techniques to create amazing works of art. Students will learn how art materials such as these have been used throughout history by different artists. Students will also learn about different styles of art that have emerged throughout history.

### **VISUAL ART I** 450000

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

This course is a comprehensive introduction to art. The course is a survey of the visual elements of art, and the principles of composition and design. The students will learn to apply these elements of art in two-dimensional form to art areas such as basic drawing, design, lettering, painting, and graphic arts. As the students work with different media and learn new techniques, they will become familiar with different styles and trends in the history of art.

### **VISUAL ART II** 450030

Grade Level: 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Drawing I and Painting I or Visual Art I

This is an advanced class that is designed as an in-depth study into the visual art elements and the principles of composition and design. Students will be provided with the opportunity to explore, experiment, and develop second-level expressive ideas in drawing, painting, and

other two and three-dimensional art forms. The students will also study different styles and techniques of painting and their relationships in the history of art. A strong appreciation for the visual arts should be encouraged.

### **VISUAL ART III** 450040

Grade Level: 11, 12  
Credit: 1 Unit

**Prerequisite:** Visual Art II

The purpose of this course is to give students an advanced-level experience in the artistic expression of idea through feelings and moods, particular interests, and "know how" in using new materials, methods and techniques. The student will produce works of art in two-dimensional and three-dimensional forms. Individuals will work in drawing, painting, sculpture, crafts and graphic arts.

### **VISUAL ART IV** 450050

Grade Level: 12  
Credit: 1 Unit

**Prerequisite:** Visual Art III

This course consists of an independent study in teacher selected and/or student-selected previously studied area of art. The course is designed for the serious art student who is possibly looking toward a career in art or an art related field. This course is frequently on a contract basis. Students are encouraged to design and participate in school and community art projects and productions.

### **AP STUDIO ART** 559040

Grade Level: 11, 12  
Credit: 1 Unit

**Prerequisite:** 2 units of art, one of which is Visual Art II

AP Studio Art is designed for students willing to accept the challenge of a rigorous academic curriculum. The program demands significant

commitment. This class is for highly motivated students who are seriously interested in the study of art. Students will need to work outside the classroom, as well as in it, and beyond scheduled periods. Homework, such as maintaining a sketchbook or a journal, is a necessary component of instruction. A drawing portfolio of approximately 24 high quality works of art are submitted and evaluated at the end of the school year by The College Board. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

#### **DRAWING I** 450200

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

Drawing I is a year-long course designed to provide the student with an introductory level of understanding of basic realistic and abstract drawing. The emphasis is upon drawing to reflect visual perception and to develop creative ideas while improving skills in a variety of drawing media. The students will experience sketching and drawing, detailed study of whole and part, faces and figures, still life, landscapes, and animals. A general interest in learning about the visual arts is recommended.

#### **DRAWING II** 450210

Grade Level: 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Drawing I or Visual Art I

Drawing II is a year-long course designed toward a more in-depth study of basic realistic and abstract drawing. The emphasis is upon dry and wet drawing media to reflect visual perception. Students should have an expressed desire to further develop their creative ideas while

improving basic skills in a variety of drawing media. Both objective and subjective drawing techniques are stressed with an emphasis upon creative compositions.

#### **PAINTING I** 450400

Grade Level: 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Visual Art I or Drawing I

This course is designed to provide students with experience in basic painting and color theory with a variety of media, techniques, and approaches emphasizing elements that provide an aesthetic foundation. Students will work with watercolor, tempera and acrylics in both experimental and traditional ways. Drawing knowledge and skills will be developed to aid in solving problems.

#### **PAINTING II** 450410

Grade Level: 10, 11, 12  
Credit: 1 Unit

**Prerequisite:** Painting I

This year-long course is designed toward a more in-depth study of basic realistic and abstract painting. The emphasis is upon improving basic painting skills in a variety of painting media. Developing a personal style of painting will be stressed with an emphasis upon personal expressionism.

#### **THEATRE I** 459100

Grade Level: 9, 10, 11, 12  
Credit: 1 Unit

This course is designed for the student interested in the theatre. Included in the course will be the history of drama, basics of technical theatre, and instruction in various styles of performance. Students will study the art of pantomime, solo acting, duet acting, and improvised duet acting. Students will have the opportunity to develop their acting techniques. Students will be required to do ten lab hours

inside and outside of the class throughout the year. During the course of the year, two school plays will be presented which will give students ample opportunity to complete their lab hours.

### **THEATRE II** 459110

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Theatre I or completion of Forensics I/II/III, and approval of instructor

This course is for students interested in continuing the study of dramatic and theatrical arts. Students will discover what it takes to be a stage actor by performing in a student-run production. They will also have the opportunity to create more in-depth projects in the technical theatre realm. Students will be required to do 20 lab hours inside and outside of the class throughout the course of the school year. The multiple performances produced during the school year will help to provide the opportunity to meet the lab hour requirement.

### **THEATRE III** 459120

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Theatre II, and approval of instructor

This course is designed for the student who is seriously interested in performance, technical theatre, and/or directing. Students will receive in-depth instruction in performance production. They will learn what goes into creating and producing a live theatrical event through engaging in a student-run performance open to the public. Students will also receive further instruction in acting and technical theatre. Their experience will be put to use by participating in the creation and design process for one, or all, of the theatrical performances CHS produces each year. Students will also create and produce a short film.

### **STAGECRAFT I** 459240

Grade Level: 10, 11, 12

Credit: 1 Unit

This course introduces students to the technical aspects of play production. Students will be introduced to set painting, set construction, lighting, sound, costuming, makeup and beginning stage design. Students will build and paint the sets for the school productions. They will have the opportunity to work backstage for these productions.

### **STAGECRAFT II** 459250

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Stagecraft I and teacher approval

In this course, students study design for sets and lights. Students chair the backstage crews for all productions in the theatre. There will be a more in-depth study of design elements for stage settings. Students are required to work backstage for theatrical productions.

### **BAND**

451000, 451040, 451050, 451060

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Basic level of proficiency on a wind or percussion instrument.

Band at Conway High School offers students the opportunity to participate in marching band and concert band. Jazz Band is offered after school. Bands at Conway High School are divided into five concert bands: Freshman Symphonic, Freshman Concert, Sophomore Symphonic, High School Concert, and High School West Symphonic. The two freshman bands combine to perform at freshman football games and the three high school bands combine to form the Conway High School Marching Band. The Marching Band performs at high

school football games as well as two or three marching contests. Each band performs separately for concert band. The concert bands perform at school assembly programs and present three concerts each year as well as competing in region concert festivals each spring. The Conway High School bands meet daily during a regular class period with extra sectionals and rehearsals scheduled before and after school when necessary.

### **ORCHESTRA**

451100, 451110, 451120, 451130

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Prior string orchestra experience

The Conway Junior High and Conway High School orchestras offer students an opportunity to continue their string instrument study and to combine with band students (after school) to experience playing in a full orchestra. Ninth graders rehearse together every day at Conway Junior High. Students at Conway High School meet as a combined ensemble each day, with a Chamber Orchestra that pulls out of the large groups on a regular basis. Entrance to the Chamber Orchestra is for more advanced players by audition early in the school year. Concerts are presented by all ensembles throughout the year. Orchestra students also provide musical entertainment for civic clubs and organizations and participate in region and state festivals and events. The Conway Junior High and Conway High School orchestras meet daily during regularly scheduled class periods, with occasional after-school and evening commitments.

### **AP MUSIC THEORY 559010**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Current enrollment in instrumental or vocal music at the high school level or demonstrated advanced skills in music, sight-reading, and aural skills.

This year-long course is the equivalent of a college level music theory course and is designed to develop analytical skills that will lead to a thorough understanding of music composition and music theory. Students will learn musical language skills including fluency in musical notation, harmonic analysis, and part-writing in four-part harmony. Students will also develop ear training and sight-reading/sight-singing skills. While the main emphasis is placed on music of the “Common Practice” period (c. 1650-1850), music of other stylistic periods and genres will be studied, as well. By the end of the course, students will be prepared to take the AP Music Theory Exam and receive college credit for music theory, pursuant to an individual college’s AP policies. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in a AP course are required to take the AP exam. Unless an absence is excused by College Board, a \$15 fee will be charged.**

### **VOCAL MUSIC (CHOIR)**

452000, 452040, 452050, 452060

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

The Conway Junior High and Conway High School Choirs are divided into ninth grade male and female choirs, and an auditioned mixed chamber choir, a tenth grade choir, an eleventh/twelfth grade choir, and an auditioned mixed chamber choir. The ninth grade male and female choirs rehearse separately each day at the Junior High campus, with the chamber choir meeting once a week after school. The tenth, eleventh, and twelfth grade choirs rehearse daily at the High School campus during a regular class period with sectional rehearsals scheduled before and after school as necessary. Concerts are presented by all choirs throughout the year, and the choir students regularly provide musical entertainment for various community organizations and events throughout the year. All choirs offer the option

to participate in regional and state events such as All-Region, All-State, and Choral Performance Assessment, which occur throughout the year. Seniors are provided the option to letter in Choir should they so choose.

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## **JOURNALISM**

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### **JOURNALISM I** 415000

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

Journalism I is a two-semester course designed to introduce students to the world of media. Students in Journalism I will become analytical consumers of media and technology to enhance their communication skills. Writing, technology, and visual and electronic media are used as tools for learning as students create, clarify, critique, and produce effective communication. Students will learn journalistic guidelines for writing, design, and photography, which include objectivity, responsibility, and credibility.

### **JOURNALISM II** 415010

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Journalism I or approval of Instructor

Journalism II is a two-semester course designed to provide students with an intermediate study of media applications above Journalism I. This course can serve as further preparation for advanced media applications. Students in Journalism II will become active participants in the world of media to enhance their communication skills. Students will progress in their academic knowledge through the roles of reporters, photographers, ad sales, and market team members. Writing, technology, and visual and electronic media are used as tools for learning as students create, assess, and produce. Students will learn to apply journalistic guidelines for writing and design,

which include objectivity, responsibility, and credibility.

### **JOURNALISM III** 415020

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Journalism II

Journalism III is a two-semester course designed to immerse students in the production process through an advanced study of media production. Students will employ journalistic skills in media. Students will use academic knowledge gained in Journalism I and II to assume leadership roles and/or become advanced writers, designers, and photographers. Writing, technology, and visual and electronic media are used as tools for learning as students create, critique, and produce. Students will adhere to journalistic guidelines for writing and design, which include objectivity, responsibility, and credibility.

### **JOURNALISM IV** 415030

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Journalism III

Journalism IV is designed to provide students in media leadership the opportunity to facilitate the production process. Students in Journalism IV will use their advanced journalistic knowledge and leadership skills to facilitate all aspects of media production and to ensure that journalistic guidelines for writing and design, which include objectivity, responsibility, and credibility, are followed. Writing, technology, and visual and electronic media are used as tools for learning as students lead, create, evaluate, and produce.



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## JUNIOR ROTC (ARMY)

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Army Junior ROTC (Reserve Officer Training Corp.) is designed to teach the value of citizenship, leadership, service to the community, personal responsibility, and a sense of accomplishment while instilling in them self-esteem, teamwork, and self-discipline. Its focus is reflected in its mission statement, "To motivate young people to be better citizens." It prepares high school students for responsible leadership roles while making them aware of their rights, responsibilities, and privileges as American citizens. The program is a stimulus for promoting graduation from high school, and it provides instruction and rewarding opportunities that will benefit the student, community, and nation. Students taking this classes will be under no military obligation. **However, successful completion of at least three units of credit in the Army JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.**

### JROTC I 495790/485950

Grade Level: 9  
Credit: 1 Unit

This is the introduction of Junior ROTC Leadership and Character, Basic Life Skills, and Citizenship. This course includes classroom instruction and laboratory instruction in the history, custom, traditions, and purpose of Army JROTC. It contains the development of basic leadership skills to include leadership principles, values, and attributes. While developing core skills, students should master an appreciation for diversity. Active learning strategies are integrated throughout the course. The performance standards in this course are based on the performance standards identified in the curriculum for the US Army JROTC. **Course completion includes the ½ unit of physical education required for graduation.**

### JROTC II 495800/480950

Grade Level: 10, 11  
Credit: 1 Unit

**Prerequisite:** JROTC I

The second year expands on the communication skills, conflict management, and resolution curriculum taught in the first year. Emphasis is placed on writing skills and oral communications techniques. Financial planning is introduced. Physical fitness, diet, nutrition, healthy lifestyles, awareness of substance abuse and prevention, and basic first aid measures are additional content areas. An overview of geography and the globe is incorporated, as well as a study of the U.S. Constitution, Bill of Rights, responsibilities of U.S. citizens, and the federal justice system. **Course completion includes the ½ unit of health required for graduation.**

### JROTC III 495810

Grade Level: 11, 12  
Credit: 1 Unit

**Prerequisite:** JROTC II

The third year of this program stresses communication as a leader, teaches problem solving, and trains cadets to perform as leaders. Cadets develop an appreciation for the importance of diet and physical fitness in maintaining good health and appearance and will also learn rudimentary first aid, map reading, and U.S. military history.

### JROTC IV 495890

Grade Level: 12  
Credit: 1 Unit

**Prerequisite:** JROTC III

During the fourth year of JROTC, these advanced students will form the core of the JROTC program and will occupy the leadership positions within the program. Students will receive practical exercises in all phases of communication while exploring positive and negative leadership traits and styles. Students

will plan and lead classes in physical fitness, complete the President's Physical Fitness Test, and lead drill and ceremonial activities. Students will learn how to handle ethical dilemmas while maintaining high standards of personal conduct and prepare to obtain employment upon graduation.

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## LANGUAGE ARTS

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### **ELA DRAMA 416000**

Grade Level: 9, 10, 11, 12  
Credit: ½ Unit

ELA Drama is a one-semester English elective course designed to introduce students to the study of dramatic literature. Through the study of written plays, students will become informed, perceptive, and appreciative audience members of plays from various cultures and time periods. To accomplish this goal, students will gain knowledge of dramatic elements by studying classical to contemporary plays. Students will examine and compare historical influences and contexts, universal themes in dramatic literature, and authorial treatment of tragic heroes from various literary periods. Students will demonstrate understanding of dramatic literature through creative oral and written interpretations and adaptations. **ELA Drama does not fulfill the ½ unit of Fine Arts required for graduation.**

### **ENGLISH 9 410000**

Grade Level: 9  
Credit: 1 Unit

This course is an integrated study of writing, reading, listening, and speaking skills. Students will examine literature in a variety of forms and respond to their reading using the writing process. Emphasis will be placed on content, style, sentence formation, usage, mechanics, vocabulary, inference, and detail.

### **ENGLISH 9 P-AP 410001**

Grade Level: 9  
Credit: 1 Unit

This advanced course is an integrated study of writing, reading, listening, and speaking skills. Students, using an analytical approach, will examine literature from various eras in a variety of forms. Using the writing process, students will respond to literature and will demonstrate their proficiency in content, style, sentence formation, usage, mechanics, vocabulary, inference, and detail. This course is a recommended prerequisite for English 10 – Pre-AP.

### **ENGLISH 10 411000**

Grade Level: 10  
Credit: 1 Unit

This course is designed to equip students with the literacy skills necessary for success at the upper secondary level. Students will continue to apply foundational skills, including strong grammatical construction within the writing process. Students will master well developed pieces of writing with rich vocabulary by focusing on etymology coupled with linguistic analyses. Furthermore, students will improve reading comprehension by practicing close reading strategies to determine key elements of fiction and non-fiction text.

### **ENGLISH 10 P-AP 411001**

Grade Level: 10  
Credit: 1 Unit  
Recommended: English 9 – Pre-AP

This course is designed to develop more advanced language, vocabulary, and writing skills and will include intensive grammar study as preparation for the ACT Aspire. Students will be introduced to world literature through the analytical and critical reading of works by masters of world literature. Evaluation of

written assignments and discussions will help students master techniques of exposition and analysis. Students will learn the mechanics and skills needed for research and documentation. This course is recommended for 11<sup>th</sup> grade AP Language and Composition.

**ENGLISH 11** 412000

Grade Level: 11  
Credit: 1 Unit

This course, an integrated approach to student language and learning, combines writing, literature, and will include intensive grammar study as preparation for the ACT. The major emphasis is language development and implementation of the writing process through active reading and guided response to literature. Students will examine American literature through individual and cooperative study.

**AP ENGLISH 11 – LANGUAGE AND COMPOSITION** 517030

Grade Level: 11  
Credit: 1 Unit  
Recommended: English 10 – Pre-AP

Advanced Placement English Language and Composition trains students to become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts. It is designed to develop flexible writers who can compose in a variety of modes and for a variety of purposes as necessary in a college setting. Students will examine nonfiction texts and write analytically as well as argumentatively. The course is designed for college-bound students who are strong readers and seek to grow their critical thinking, writing, analytical, and argumentation skills. Students will be required to take the Advanced Placement test at the end of the year. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is**

**absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

**ENGLISH 12** 413000

Grade Level: 12  
Credit: 1 Unit

English 12 is an integrated approach to student language and learning, combining reading, writing, speaking, listening and technology. The major emphasis is development and implementation of the writing process through active reading and guided response to literature. Students will examine various texts through individual and cooperative study.

**AP ENGLISH 12 – LITERATURE AND COMPOSITION** 517040

Grade Level: 12  
Credit: 1 Unit  
Recommended: English 11 – Advanced Placement

This course requires a mature examination of classic and contemporary literature (poetry, short prose, novels, plays) through analytical readings. Students will be engaged critically and constructively in the exchange of ideas in class discussions and written compositions, and research will be included. This course is designed for college bound, self-motivated students, and offers the opportunity for students to pursue college-level studies for college credit while still in high school. Students will be required to take the Advanced Placement Test at the end of the year. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

## UCA COLLEGE WRITING I/II 519901/519902

Grade Level: 12

Credit: 1 Unit (6 college hours)

**Prerequisite:** See GPA and ACT requirements on page 14.

College Writing I introduces students to the writing process, focusing on audience, invention, and arrangement, and will be conducted as a workshop. This course satisfies the Conway High School first semester English 12 requirement. College Writing II introduces students to academic argument based on substantiating, evaluating, and proposing claims. Research strategies are central to the course, which will be conducted as a workshop. This course satisfies the Conway High School second semester English 12 requirement.

**Introduction to College Writing AND Academic Writing and Research are taken as a full-year class, and students will receive 6 college credit hours as well as UCA quality points that count toward college GPA. Credit received for 1310 and 1320 is equivalent to credit given for an AP Language exam score of 4 or higher at UCA. Students should contact their prospective college for its specific policy on awarding credit.**

## ORAL COMMUNICATIONS 414000

Grade Level: 9, 10, 11, 12

Credit: 1/2 Unit

This semester course gives students a general overview of all aspects of the communication process with an emphasis on prepared public speaking. Students will refine their writing skills as they research, write, and perform informative and persuasive speeches, as well as other projects. Various activities will be used to enhance students' speaking and listening abilities.

## UCA ORAL COMMUNICATIONS 514000

Grade Level: 11, 12

Credit: 1 Unit (3 college hours)

**Prerequisite:** See GPA and ACT requirements on page 14.

This course is the study, application and evaluation of principles of organization, evidence, reasoning, critical thinking, verbal and nonverbal behavior, interpersonal communication, public speaking, and small group interaction in the oral communication setting. The emphasis will be on meeting the individual needs of students through individualized instruction using communication experiences. This course satisfies the Conway High School oral communication requirement.

## DEBATE I 414050

Grade Level: 10, 11, 12

Credit: 1 Unit

Debate I integrates Oral Communication frameworks in a more intensified study and application of communication theory and skills with the study and practice of theories and strategies in Argumentation and contest Speech and Debate. Students prepare and compete in speech and debate tournaments throughout the school year. Evaluation is based upon demonstrated effort, desire to improve, effective preparation and performance in practice and competition. Students must possess self-motivation, self-discipline and a willingness to develop research skills.

**Students disinterested or unable to compete in tournaments should not enroll.** Students of debate will be introduced to IPDA Debate, Extemporaneous Speaking, Student Congress and other competitive speaking events. Students may earn points toward gaining membership in the National Speech and Debate Association (National Honor Society for Speech and Debate). Students must attend at least two tournaments per year. **Students will**

receive **Oral Communication credit upon completion of this course.**

### **DEBATE II** 414060

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Debate I, meet AAA requirements for competition, and approval of instructor

Debate II is an extension of Debate I. Students will expand their studies of IPDA Debate, Public Forum Debate, Mock Trial, Student Congress, Original Oratory, Extemporaneous Speaking, and argumentation. Students will focus upon more advanced case formats and more effective presentational styles. Students may earn points toward gaining membership or increasing standing in the National Speech & Debate Association Honor Society. **Students will be required to travel to AAA-sanctioned qualifying tournaments. Debate II students will participate in a minimum of four tournaments throughout the year.**

### **DEBATE III** 414070

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Debate I and II, meet AAA requirements for competition, and approval of instructor

Debate III is an extension of Debate I & II. Students will expand their development of IPDA, Public Forum, Lincoln Douglas, Congressional Debate, Extemporaneous Speaking, Original Oratory, and argumentation, along with expanding into new debate styles with Big Question, Ethics Bowl, and other national debate styles. Debate III students will also be responsible for leading the Mock Trial and Student Congress teams. Students will be eligible to compete in speciality state tournaments (Mock Trial, Ethics Bowl, Student Congress, NSDA District). Students may earn points toward gaining/continuing membership

in the National Speech & Debate Association Honor Society. **Students will be required to travel to AAA-sanctioned qualifying tournaments. Forensics III students will participate in a minimum of 6 tournaments throughout the year.**

### **FORENSICS I** 414020

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

Forensics I is a performance-based class that develops basic acting and speaking skills for competition (**this is NOT a criminal science class**). Students will be introduced to all acting/speaking events, but will be given specific instruction in: Tournament basics, Performance preparation, Prose/Poetry interpretation, Storytelling, Humorous/Dramatic Interpretation and Solo and Duet Acting, Reader's Theater, and Words and Music. Drama instruction will focus on basic acting techniques and stage movement. Speaking instruction will focus on developing interpretive skills. Students may earn points toward gaining membership in the National Speech and Debate Association (National Honor Society for Speech and Debate). Students will be required to travel to AAA-sanctioned qualifying tournaments. Forensics I students will participate in at least one tournament and no more than seven tournaments. **Students will receive Oral Communication credit upon completion of this course.**

### **FORENSICS II** 414030

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Forensics I, meet AAA requirements for competition, and approval of instructor

Forensics II is an extension of Forensics I. Students will expand their development of advanced acting, interpretation, and

improvisation skills for competition. Students will be given advanced performance theories and techniques in areas of chosen emphasis and specific instruction in: Dramatic Interpretation, Humorous Interpretation, Duo Interpretation, Duet Improvisation, Poetry Interpretation, Prose Interpretation, Storytelling, Mime, Words & Music, and Reader's Theatre. Students may earn points toward gaining membership or increasing standing in the National Speech & Debate Association Honor Society. **Students will be required to travel to AAA-sanctioned qualifying tournaments. Forensics II students will participate in a minimum of four tournaments throughout the year.**

### **FORENSICS III 414040**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Forensics I and II, meet AAA requirements for competition, and approval of instructor

Forensics III is an extension of Forensics I and II. Students will expand their development of advanced acting, interpretation, and improvisation skills for competition. Students will build upon their understanding and use of advanced performance theories and techniques in areas of chosen emphasis. Students will also be responsible for the production of student group competition pieces in Words and Music, and Readers Theatre. Students will be eligible to compete in speciality state tournaments (Mock Trial, NSDA District). Students may earn points toward gaining/continuing membership in the National Speech & Debate Association Honor Society. **Students will be required to travel to AAA-sanctioned qualifying tournaments. Forensics III students will participate in a minimum of 6 tournaments throughout the year.**

### **FORENSICS IV 414090**

Grade Level: 12

Credit: 1 Unit

**Prerequisite:** Forensics I, II, III, meet AAA requirements for competition, and approval of instructor

Forensics IV is an extension of Forensics I, II, and III. In Forensics IV students will demonstrate mastery in research, organization, presentation, performance, and directing. Research activities will include analyzing literary elements and current events, framing a selection or topic around historical context or cultural influences, and maintaining a portfolio of selections and topics. Organization skills will be enhanced by cutting and introducing selections and synthesizing information from complex texts. Students will demonstrate mastery of the fundamentals of directing. Peer critique will be utilized to enhance presentation and performance skills. Students will engage in oral advocacy to promote community partnerships, enhance community engagement, and cultivate a positive school culture. **Students will be required to travel to AAA-sanctioned qualifying tournaments. Forensics IV students will participate in a minimum of six tournaments throughout the year.**

# MATHEMATICS

<b>College and Career Readiness Progression</b>	
<b>9th</b>	<b>Algebra I</b>
<b>10th</b>	<b>Geometry</b>
<b>11th</b>	<b>Algebra II</b>
<b>12th</b>	<b>Math Ready</b>

<b>AP Calculus/AP Statistics Progression</b>	
<b>9th</b>	<b>Pre-AP Geometry</b>
<b>10th</b>	<b>Pre-AP Algebra II</b>
<b>11th</b>	<b>Pre-Calculus or AP Calculus AB</b>
<b>12th</b>	<b>AP Calculus AB and/or AP Calculus BC or AP Statistics</b>

## **ALGEBRA I** 430000

### **ALGEBRA I P-AP** 430001

Grade Level: 9

Credit: 1 Unit

**Prerequisite:** Math 8/Pre-Algebra

This course provides the foundational concepts for high school mathematics. This course completes the Math 8 curriculum not included in the 7<sup>th</sup> grade accelerated math course. Topics include the language of algebra, solving and graphing equations and inequalities (linear and quadratic), systems of equations, properties of exponents, radical expressions, data and graphs, polynomial operations, and factoring of polynomials. A graphing calculator is recommended.

## **ALGEBRA A (First part of Algebra I)** 430100

Grade Level: 9

Credit: 1 Unit

**Prerequisite:** Math 8/Pre-Algebra

This course is recommended to students who were not successful in Math during 8th grade. This course contains the first half of the Algebra I curriculum. Topics include the language of algebra, solving and graphing equations and inequalities (linear and quadratic), systems of equations, properties of

exponents, radical expressions, data and graphs, polynomial operations, and factoring of polynomials. The pace for this course is slower, which allows the struggling math student time to review to mastery the concepts of solving equations and linear functions. These standards are critical and necessary going forward. A graphing calculator is recommended.

## **ALGEBRA B (Second part of Algebra I)**

430200

Grade Level: 10

Credit: 1 Unit

**Prerequisite:** Algebra A

This course contains the second half of the Algebra I curriculum. Focus is on expanding and reinforcing concepts covered in Algebra A. These include the language of algebra, solving and graphing equations and inequalities (linear and quadratic), systems of equations, properties of exponents, radical expressions, data and graphs, polynomial operations, and factoring of polynomials. The pace for this course is slower, which allows the struggling math student time to review to mastery the concepts of solving equations and linear functions. These standards are critical and necessary going forward. A graphing calculator is recommended.

## **GEOMETRY P-AP** 431001

Grade Level: 10

Credit: 1 Unit

**Prerequisite:** Algebra I P-AP

(Students who have successfully taken Algebra I their 9th grade year may take Pre-AP Geometry and Pre-AP Algebra II during the same school year, in order to accelerate to Advanced Placement math courses.)

This course is designed for students who are on the progression towards AP Calculus or AP Statistics. Connections to topics in these AP courses will be emphasized through required

extension activities. This course provides a more in-depth study of the topics listed for geometry including applications. Since this is an advanced course, higher levels of understanding such as relationships of ideas, analysis, synthesis, and evaluation will be stressed. The content of Pre-AP Geometry is similar to the content of the regular geometry class. Topics include the basic terms of geometry, logic and reasoning, slopes and equations of lines, angle relationships, and properties of polygons, triangles, transformations, right triangle trigonometry, circles, perimeter, area, and volume. Pre-AP Geometry encourages the use of mathematical investigations to measure and analyze geometric figures. Students learn to understand and discuss the international nature of mathematics and to use critical thinking to solve authentic problems. The student will gain insight into their mathematical strengths and weaknesses through reflection. A graphing calculator is required.

### **GEOMETRY 431000**

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Algebra I or its equivalent

This course introduces concepts visually, analytically, inductively, and deductively. Topics include the basic terms of geometry, properties of 2-dimensional shapes, properties of 3-dimensional shapes, properties of parallel and perpendicular lines, angles, circles, triangles, polygons, transformations, right angle trigonometry, inductive and deductive reasoning. A graphing calculator is recommended.

### **GEOMETRY A 431100**

Grade Level: 10, 11

Credit: 1 Unit

**Prerequisite:** Algebra I or its equivalent

This course is recommended to students who struggled in 8th grade math and Algebra I. The intent is to reinforce skills to better prepare students for future courses. This is the natural progression for students who have taken Algebra A and Algebra B, unless completion of these two courses resulted in mastery of Algebra I. The fundamental purpose of the first half of Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. A graphing calculator is recommended.

### **GEOMETRY B 431200**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Algebra I or its equivalent and Geometry A

This course completes the Geometry series started with Geometry A. This course is recommended to students who struggled in 8th grade math and Algebra I. The intent is to reinforce skills to better prepare students for future courses. This is the natural progression for students who have taken Algebra A, Algebra B, and Geometry A. The fundamental purpose of the second half of Geometry is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. A graphing calculator is recommended.



**BRIDGE TO ALGEBRA II** 435000

Grade Level: 10, 11, 12

Credit: 1 unit

**Prerequisite:** Algebra I and Geometry

The fundamental purpose of this course is to provide students who have completed Algebra I with the additional math foundations they need to be successful in Algebra II. Function relationships, representing functions, function modeling, and statistics and probability are the four critical areas of study. A graphing calculator is recommended.

**ALGEBRA II P-AP (including Trigonometry)** 432001

Grade Level: 10, 11, 12

**Prerequisite:** P-AP Algebra and P-AP Geometry

This course is strongly recommended for the college bound student who enjoys mathematics and/or plans to take AP Statistics or AP Calculus in high school. The fundamental purpose of this course is to build on student's work with linear, quadratic, and exponential functions as well as extend their knowledge of functions to include polynomial, rational, and radical functions. Polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and inferences and conclusions from data are the four critical areas of study. This course includes all topics normally covered in Algebra II and extra topics with applications related to the real world, plus a deeper and broader look at most topics, and extra applications for graphing calculators. A graphing calculator is recommended.

**ALGEBRA II** 432000

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Geometry

This course is recommended for the college bound students. The fundamental purpose of this course is to build on student's work with linear, quadratic, and exponential functions as well as extend their knowledge of functions to include polynomial, rational, and radical functions. Polynomial, rational, and radical relationships, trigonometric functions, modeling with functions, and inferences and conclusions from data are the four critical areas of study. A graphing calculator is recommended.

**PRE-CALCULUS** 433000

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Geometry & Algebra II

Pre-Calculus will emphasize a study of trigonometric functions and identities as well as applications of right triangle trigonometry and circular functions. Students will use symbolic reasoning and analytical methods to represent mathematical situations, express generalizations, and study mathematical concepts and the relationships among them. Students will use functions and equations as tools for expressing generalizations.

**QUANTITATIVE LITERACY** 439120

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Geometry

This course 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 problems. Students will represent and process their reasoning and conclusions numerically, graphically, symbolically, and verbally. This course 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. The course counts as a 4th year math credit for smart core graduates beyond Algebra II. **This course is NOT approved for NCAA eligibility.**

#### **MATH READY 439110**

Grade Level: 11, 12  
Credit: 1 Unit

This course emphasizes understanding of mathematics concepts rather than just memorizing procedures. Math Ready students learn the context behind procedures and understand why to use a certain formula or method to solve a problem. By engaging students in real-world applications, Math Ready develops critical thinking skills that students will use in college and their careers. Units of study include algebraic expressions, equations, measurement and proportional reasoning, linear functions, linear systems of equations, quadratic functions, and exponential functions. Note that Math Ready is not designed to prepare students for advanced mathematics in STEM majors. The course counts as a 4th year math credit for smart core graduates beyond Algebra II and may be taken concurrently with Algebra II. **This course is NOT approved for NCAA eligibility.**

#### **AP STATISTICS 539030**

Grade Level: 11, 12  
Credit: 1 Unit

**Prerequisite:** Algebra II

The purpose of the AP course in statistics is to introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: (1) Exploring Data: describing patterns and departures from patterns; (2) Sampling and Experimentation: planning and conducting a study; (3) Anticipating Patterns: exploring random phenomena using probability and simulation, and; (4) Statistical Inference: estimating population parameters and testing hypotheses. Important components of the course include the use of technology, projects and laboratories, cooperative group problem-solving, and writing as a part of concept-oriented instruction and assessment. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

#### **AP CALCULUS AB 534040**

Grade Level: 11, 12  
Credit: 1 Unit

**Recommended:** Algebra II P-AP, Pre-Calculus or Algebra II and Trigonometry

This course offers a rigorous calculus class in the high school setting. The course focuses on the conceptual understanding of limits, differentiation, integration, and their applications. The rigor and expectations of this course will help prepare students for college. **Graphing calculators are an integral part of the instruction. Therefore having a TI-84 or a TI Nspire is strongly recommended.**

**A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

#### **AP CALCULUS BC 534050**

Grade Level: 12

Credit: 1 Unit

**Prerequisite:** AP Calculus AB

AP Calculus BC reviews all the material from AP Calculus AB and adds additional topics. Additional topics include: additional integration techniques, sequences and infinite series, and the analysis of Parametric, Vector, and Polar functions. The course is taught with an emphasis on conceptual understanding and application. The rigor and expectations of this course matches a Calculus II course in college. **Graphing calculators are an integral part of the instruction. Therefore having a TI-84 or a TI Nspire is strongly recommended.**

**A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

#### **UCA COLLEGE ALGEBRA 539900**

Grade Level: 11, 12

Credit: 1 Unit (3 college hours)

**Prerequisite:** See GPA and ACT requirements on page 14.

This course satisfies the general education aims of the university by providing a solid foundation of algebraic concepts. This course includes the study of functions, relations, graphing, and problem solving, and provides a knowledge of how to apply these concepts to

real problem situations. The primary methods of instruction are lecture and demonstration.

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## **PHYSICAL EDUCATION AND HEALTH**

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### **ATHLETICS \***

Conway High School offers a wide variety of athletic choices for male and female students. Students may choose from the following:

#### **Boys' Athletics:**

Basketball  
Football  
Baseball  
Cross-Country  
Golf  
Swimming  
Soccer  
Tennis  
Track  
Bowling  
Wrestling

#### **Girls' Athletics:**

Basketball  
Volleyball  
Softball  
Cross-Country  
Golf  
Swimming  
Soccer  
Tennis  
Track  
Bowling  
Wrestling

#### **Awarding Physical Education Credit for Athletic Participation**

Students who enroll in athletics, with the exception of Bowling, can receive  $\frac{1}{2}$  unit of physical education credit, which will count toward graduation.

#### **CHEERLEADING – 9TH GRADE 999853**

Grade Level: 9

Credit: 1 Unit

**Prerequisite:** Selected by tryout

In the spring, the coaching staff will choose the ninth grade cheerleader squad. The ninth grade cheer squad tryouts will not be held in conjunction with the ninth grade dance team tryouts. The ninth grade squad will cheer at the freshman football and basketball home games. **The squad is governed by the Arkansas Activities Association rules and regulations and the CHS Athletic Handbook approved**

**by the school administration, the athletic department, and the coaching staff.**

#### **DANCE TEAM – 9TH GRADE 999855**

Grade Level: 9

Credit: 1 Unit

**Prerequisite:** Selected by tryout

In the spring, the coaching staff will choose the ninth grade dance team. The ninth grade dance team tryouts will not be held in conjunction with the nine grade cheer tryouts. The ninth grade dance team will perform at the home freshman football and basketball games. **The team is governed by the Arkansas Activities Association rules and regulations and the CHS Athletic Handbook approved by the school administration, the athletic department, and the coaching staff.**

#### **CHEERLEADING - VARSITY 999850**

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Selected by tryout

The varsity squad of cheerleaders promotes school spirit at Conway High School. In the spring, the coaching staff will choose the varsity cheer squad by tryouts. The varsity cheer squad tryouts will not be held in conjunction with the varsity dance team tryouts. The varsity cheer squad is composed of 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students who cheer at CHS athletic events. **The squad is governed by the Arkansas Activities Association rules and regulations and the CHS Athletic Handbook approved by the school administration, the athletic department, and the coaching staff.**

#### **DANCE TEAM – VARSITY 999851**

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Selected by tryout

The varsity dance team promotes school spirit at Conway High School. In the spring, the coaching staff will choose the varsity dance team by tryouts. The varsity dance team tryouts will not be held in conjunction with the varsity cheer squad tryouts. The varsity dance team is composed of 10<sup>th</sup>, 11<sup>th</sup>, and 12<sup>th</sup> grade students who perform at CHS athletic events. **The team is governed by the Arkansas Activities Association rules and regulations and the CHS Athletic Handbook approved by the school administration, the athletic department, and the coaching staff.**

#### **DIGITAL HEALTH 480000**

Grade Level: 9, 10, 11, 12

Credit: ½ Unit

Health Education is a semester course based on the frameworks set by the Arkansas State Department of Education. This course addresses the physical, mental, emotional, and social dimensions of health. The curriculum is designed to motivate and assist students to maintain and improve their health, prevent disease, and reduce health related behaviors. It helps students develop and demonstrate increasingly sophisticated health-related knowledge, attitudes, skills, and practices. This course meets graduation requirements for ½ credit of Health and also the state mandated ½ credit digital course.

#### **GIRLS PHYSICAL EDUCATION 485001**

#### **BOYS PHYSICAL EDUCATION 485002**

485000 (yr)

Grade Level: 9, 10, 11, 12

Credit: ½ Unit (Semester Course)

1 Unit (Year Course)

This course offers a variety of sports and activities, both competitive and noncompetitive. co-ed activities are also included throughout the semester. Students are exposed to lifetime activities such as tennis, volleyball, softball, bowling, badminton, and

recreational games. Major emphasis is placed on fitness, sportsmanship, and practical knowledge of these activities.

### **PERSONAL FITNESS**

485010(boys), 48501G (girls)

Grade Level: 10, 11, 12

Credit: ½ Unit

The Personal Fitness class will provide life-long skills in health and fitness management. The curriculum will include nutritional information based on an individual lifestyle, exercise options at different levels of intensity, and tactics for long term healthy lifestyle choices. **This course will meet the Physical Education ½ credit requirement for graduation.**

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## **SCIENCE**

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### **ACCELERATED BIOLOGY – INTEGRATED (ABI) 420000**

Grade Level: 9

Credit: 1 Unit

**Prerequisite:** Accelerated Physical Science (8<sup>th</sup> grade)

This is an accelerated biology class that will include all that is described in the Biology-integrated course below plus additional emphasis on conceptual understandings of biochemistry and the biochemical processes of photosynthesis, cellular respiration, and anaerobic respiration, the biogeochemical cycle of carbon through the biosphere, and mathematical models to illustrate energy flow through ecosystems. This course moves at a faster pace than regular biology and involves deeper content, more challenging labs and more challenging assessments. Additional math and laboratory skills are integrated to prepare students for taking AP Biology in the future. Students who take this course should have a committed interest in science, have a

willingness to work hard and be organized; have good reading comprehension and critical thinking skills; and have availability for time outside of class to complete homework, lab reports, and study for exams.

### **BIOLOGY – INTEGRATED (BI) 420000**

Grade Level: 10

Credit: 1 Unit

Biology is the study of living organisms and their systems as well as incorporating some aspects of Earth/space science. This two-semester course is required by Arkansas Department of Education for graduation credit. The course includes a study of cycling of matter and energy, structure and function, biodiversity and population dynamics, genetic variation in organisms, evolution by natural selection, life and Earth's systems, and human impacts on Earth's systems. Laboratory experiences are designed to allow students to engage in asking questions (for science) and defining problems (for engineering); Developing and using models; planning and carrying out investigations; analyzing and interpreting data; using mathematics and computational thinking; constructing explanations (for science) and designing solutions (for engineering); engaging in argument from evidence; and obtaining, evaluating, and communicating information.

### **BIOLOGY - INTEGRATED P-AP 420001**

Grade Level: 10

Credit: 1 Unit

This is an advanced fast-paced biology class that will include all that is described in the Biology-integrated course above with a deeper level of content and a focus on math, modeling, scientific practices and laboratory skills which are included to prepare students for taking AP Biology in the future. This course is a good college prep course for anyone thinking of going into any medical field or other field of

science. Students who take this course should have a committed interest in science, have a willingness to work hard and be organized; have good reading comprehension and critical thinking skills; and have availability for time outside of class to complete homework, lab reports, and study for exams.

### **AP BIOLOGY** 520030

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Biology-Integrated (formerly Biology) or Accelerated Biology-Integrated or Biology P-AP.

**Recommendations:** Students who earned an A or B in their prerequisite biology class will be the best candidates for successful completion of AP Biology. *Accelerated Chemistry-Integrated is highly recommended as a concurrent credit course but it is not required.*

The curriculum for Advanced Placement Biology is designed to be equivalent to a two-semester college introductory biology class for science majors, including all medical related fields of study. The course curriculum is set by the College Board and includes college level textbook, labs, and technical writing. The course is a fast paced, rigorous, application-based biology course that emphasized data interpretation and graphical data analysis with frequent use of mathematical and statistical models. Content areas include evolution, ecology, biochemistry, cellular energetics, and molecular genetics and biotechnologies. Students considering AP biology must be highly motivated. Reading for content learning and independent study are essential components of being a successful AP biology student. Course components include weekly homework, college-level lab reports, independent research projects, and a minimum of two mandatory Saturday test prep sessions. Upon completion of the course, students are required to take the national AP Biology exam. A qualifying score may be awarded college

credits by participating colleges (see individual university websites for specific qualifications).

**Note:** AP Biology is a general graduation credit course and does not count as one of the three required science credits by the State of Arkansas. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

### **CHEMISTRY - INTEGRATED (CI)** 421000

Grade Level: 10, 11, 12

Credit: 1 Unit

**Recommendation:** Students should have a solid background in algebra as it will be incorporated throughout the course in both semesters.

Chemistry-Integrated is combination of chemistry, physics, and incorporates some aspects of earth/space science. The physics component is similar to content from a physics course (without trigonometry), but the rest of the course is focused on chemistry, which is the study of matter, changes in matter, and the energy associated with these changes. The concepts of atomic structure, periodicity, gas laws, solutions, and acid-base theory are covered. A good background in algebra is required. The factor-label method of problem solving is used extensively. Hands-on laboratory sessions are an integral part of the course. The labs are tied to concepts covered in the lecture sessions. The labs range from graphing data to determining the density of alcohol to using flame tests to identify metals. Computer-based labs using the Internet are also included.

## **ACCELERATED CHEMISTRY- INTEGRATED (ACI) 421001**

Grade Level: 10, 11, 12

Credit: 1 Unit

**Recommendation:** Students should have a strong background in algebra as it will be required to work problems throughout the course in both semesters.

ACI includes the same content investigated in the Chemistry-Integrated course described above; however, additional content is included in molecular geometry and the behavior of gasses. This course is faster paced and has more rigorous labs and assessments than the CI course in order to prepare students for college and for those moving on to AP Chemistry.

## **AP CHEMISTRY 521030**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Credit in Chemistry-Integrated (formerly Chemistry) or Accelerated Chemistry-Integrated or Chemistry P-AP AND Algebra II

**Recommendation:** Students who earned an A or B in their prerequisite chemistry class will be the best candidates for successful completion of AP Chemistry

The curriculum of Advanced Placement Chemistry is designed to be the equivalent of a first year college chemistry course. The course is a fast-paced, rigorous application-based chemistry course that emphasizes data interpretation and graphical data analysis with frequent use of mathematical and statistical models. Topics covered include stoichiometry, thermochemistry, acids, and bases, reaction rates, electrochemistry, precipitation equilibria, spontaneity of reactions, and gaseous equilibrium. Two days per week are spent in the lab. Independent study is an essential component of being a successful AP chemistry student. Students considering AP chemistry must be highly motivated. Course

requirements include weekly homework, college-level lab reports, and a minimum of two mandatory Saturday test prep sessions. Upon completion of the course, students are required to take the national AP Chemistry exam. A qualifying score may be awarded college credits by participating colleges (see individual university websites for specific qualifications). **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged. .**

## **ENVIRONMENTAL SCIENCE 424020**

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Biology-Integrated or equivalent

Environmental Science is the study of the environmental problems facing the world today and possible solutions for these problems. This course will investigate Earth's major systems, energy transfer and conservation, organisms and their interactions with their environment, and sustainability. The course takes an interdisciplinary approach with instruction, combining ideas from the natural sciences (Earth, physical, and life sciences) and social sciences (geography, economics, political science, and philosophy), to address the complex nature of environmental challenges.

## **AP ENVIRONMENTAL SCIENCE 523030**

Grade Level: 11, 12

Credit: 1 Unit

The AP Environmental Science course is 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 of 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 presenting them. Environmental science is interdisciplinary, embracing topics from geology, biology, environmental studies, environmental science, chemistry, and geography. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

#### **HUMAN ANATOMY AND PHYSIOLOGY** 424030

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Biology-Integrated or equivalent

Anatomy and Physiology strives to help students make sense of the interactions among systems of the human body. This course will focus on the relationship between structure and function within major body systems (integumentary, skeletal, muscular, nervous, digestive, urinary, endocrine, circulatory, respiratory, and reproductive). There are multiple research and presentation projects as well as in-depth lab investigations, dissections and practical exams throughout the year. Students will be required to memorize numerous structures and explain the various functions of each system. They will use this knowledge to work through real life medical based scenarios. This course is designed for students planning a career in any field of medicine and students should be strong science students with good study skills.

#### **PHYSICAL SCIENCE - INTEGRATED** **(PSI)** 423000

Grade Level: 9

Credit: 1 Unit

Physical Science-Integrated focuses on the study of Motion and forces; energy; matter and its changes; and human impacts. Life, Earth, and space sciences are threaded throughout the content of this course as well. Laboratory experiences are designed to incorporate mathematical models, graphing skills, and science and engineering practices which will be needed for higher level science courses in high school.

#### **PHYSICAL SCIENCE – INTEGRATED** **P-AP** 423001

Grade Level: 9

Credit: 1 Unit

Pre-AP Physical Science is an advanced, faster-paced course covering the same content of PSI focusing on the study of Motion and forces; energy; matter and its changes; and human impacts. Life, Earth, and space sciences are threaded throughout the content of this course as well. Laboratory experiences are designed to incorporate mathematical models, graphing skills, and science and engineering practices which will be needed for higher level science courses in high school. This course is designed for students who missed the opportunity to take APSI in 8<sup>th</sup> grade, but wish to prepare for more advanced science courses at the high school. Students who choose this course should be strong math and science students with good study skills.



## PHYSICS 422000

Grade Level: 10, 11, 12

Credit: 1 Unit

**Recommendations:** Students should have a strong background in algebra as it will be required to work problems throughout the course in both semesters and trigonometry will be used in the first semester.

Physics will investigate the science of energy, measurement, and problem solving. Topics students will investigate include: the nature and cause of motion (one and two-dimensional); work, energy, and momentum; fluids and thermodynamics; wave mechanics and sound; and electricity and magnetism. This course includes laboratory investigations approximately two days per week.

## AP PHYSICS 1 522080

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Geometry and Algebra II (or concurrent enrollment in Algebra II)

The curriculum of Advanced Placement Physics I provides a rigorous study of physics equivalent to the first semester of algebra-based college physics. However, this course is spread out over the entire school year, giving the student more time to master the curriculum. Motion, gravity, momentum, work, energy, power, waves, sound, and electrical circuits are topics covered in this course. Course requirements include weekly homework, college-level labs, and a minimum of two mandatory Saturday test prep sessions. Upon completion of the course, students are required to take the national AP Physics I exam. A qualifying score may be awarded college credits by participating colleges (see individual university websites for specific qualifications). **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If**

**a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

## AP PHYSICS 2 522090

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Physics or AP Physics 1 and Algebra II (may be concurrent)

The curriculum of Advanced Placement Physics II provides an equivalent course to a second semester of algebra-based college physics. However, this course is spread out over the entire school year, giving the student more time to master the curriculum. Fluids, thermodynamics, electrostatics and magnetism, optics, and modern physics topics are covered in this course. Course requirements include weekly homework, college-level labs, and a minimum of two mandatory Saturday test prep sessions. Upon completion of the course, students are required to take the national AP Physics II exam. A qualifying score may be awarded college credits by participating colleges (see individual university websites for specific qualifications). **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

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## SOCIAL STUDIES

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### CIVICS 472000

Grade Level: 11  
Credit: ½ Unit

This course is designed to familiarize students with the activities and functions of the United States government on the local, state, and national levels. The course will include the formation of the United States Constitution and the issues involved in the Constitution such as the articles, amendments, and the breakdown of the three branches of government. The functions and roles of major and minor political parties will be discussed as well as elections, rights of citizens, and duties of citizens on a national level. Current events and guest speakers will be used to further reinforce studies.

### ECONOMICS 474300

Grade Level: 11  
Credit: ½ Unit

Economics is a one semester course that introduces students to the basic concepts of economics and personal finance. Students will learn that because of a scarcity of resources, all humans must make choices. Through this class, students will gain knowledge and skills that will help them as they make choices regarding their future careers as well as their personal lives. Students will also gain an understanding of how the American economic system works, the government's role in the economy, how individual firms make decisions, and the impact that trade has on the economy. There will also be a unit to introduce students to personal finance concepts such as budgeting, using credit, saving and investing.

### AFRICAN AMERICAN HISTORY 474700

Grade Level: 10, 11, 12  
Credit: ½ Unit

African American History examines the contributions African Americans have made to the history of the United States. This course is designed to assist students in understanding issues and events from multiple perspectives. This course develops an understanding of the historical roots of African American culture, especially as it pertains to social, economic, and political interactions within the broader context of United States history. It requires an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements provides citizens of the 21<sup>st</sup> century with a broader context within which to address the many issues facing the United States.

### AP COMPARATIVE GOVERNMENT AND POLITICS 579180

Grade Level: 11, 12  
Credit: 1 unit

This year-long course is the equivalent of a college level survey course and is designed to provide students with analytical perspectives on global politics. This course aims to illustrate the rich diversity of political life, show institutional alternatives, explain differences in processes and policy outcomes, and demonstrate global and economic changes. Seven countries are used as case studies: China, Great Britain, Iran, Mexico, Nigeria, Russia, and the United States. Students will be exposed to different theoretical and practical frameworks that are the foundation for a variety of political systems. At the end of the course, students will take the National Advanced Placement exam in which they have the opportunity to earn college credit. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course**

are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.

### AP EUROPEAN HISTORY 579170

Grade Level: 11, 12  
Credit: 1 Unit

The study of European history since the High Renaissance through the 2000s introduces students to varied cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. In addition to providing a basic narrative of events and movements, the goals of AP European History are to develop (a) an understanding of some of the principle themes in modern European history, (b) an ability to analyze historical evidence and historical interpretation, and (c) an ability to express historical understanding in writing. The course will contain activities and assignments designed to build students' skills and confidence for the national examination. The course will prepare students to take the national AP European History exam in the Spring. **This course does not meet the World History graduation requirement. A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

### AP HUMAN GEOGRAPHY 579080

Grade Level: 11, 12  
Credit: 1 unit

The purpose of the Advanced Placement (AP) course in Human Geography is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. Students will be examining demographic information, political conflict and ethnic strife, religious diversity issues, world agricultural issues, economic geography, and urban geography. Students also learn about the methods and tools geographers use in their science and practice. Advanced Placement Human Geography (APHG) students will learn to think geographically and ask critical geographic questions in order to prepare for the national AP Exam in May. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

### PSYCHOLOGY 474400

Grade Level: 9, 10, 11, 12  
Credit: ½ Unit

This semester course is an introduction to basic procedures in the study of behavior and to the principles of theoretical and experimental issues underlying mental and emotional states. Behavior is looked at through scientific methods, using the biological approach – examining the brain structures and functions and relating brain structures to our study of behavior. Students will examine the following topics: history and methods of psychological research; brain,

body and states of consciousness; cognitive processes; and psychological disorders.

### **AP PSYCHOLOGY** 579120

Grade Level: 11, 12  
Credit: 1 Unit

The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. The following topics will be covered: history and approaches, research methods, biological bases of behavior, sensation and perception, states of consciousness, learning, cognition, motivation and emotion, developmental psychology, personality, testing and individual differences, abnormal behavior, treatment of abnormal behavior, social psychology. A college textbook is used and students will be required to take the College Board Advanced Placement test at the end of the course that can lead to college credit at universities nationwide. Regular psychology is not a prerequisite to take AP Psychology. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

### **SOCIOLOGY** 474500

Grade Level: 10, 11, 12  
Credit: ½ Unit

Looking at the central issue of human group interaction, sociology emphasizes the study of society by using three main perspectives. Students will learn about common relevant

social issues as they examine and use methods of research in sociology. Topics will include: culture, socialization, social structure, groups and formal organizations, deviance and social control, social stratification, race and ethnicity, social change and collective behavior. Various teaching mediums will be used including newspapers, magazines, websites, videos, and interactive group discussions.

### **U.S. GOVERNMENT** 474100

Grade Level: 10, 11, 12  
Credit: ½ Unit

The one semester American legal system course is divided into six units of study and is designed to introduce students to the United States legal system and more specifically the Arkansas legal system. In addition to the textbook, supplementary materials including the Arkansas Criminal Code are utilized to enhance the student's learning experience.

### **AP U.S. GOVERNMENT AND POLITICS** 572040

Grade Level: 11, 12  
Credit: 1 Unit

This year-long course is the equivalent of a college level survey course and is designed to provide students with the analytical skills to understand important concepts in U.S. politics. Students will be able to analyze and interpret basic data relevant to U.S. government and politics. They will understand the typical patterns of political processes and behavior along with their consequences. The course consists of lecture, Socratic Seminar discussions, and current event projects. Due to the rigor of this course, successful completion will require a sustained effort from all students and a commitment to the development of critical and evaluative thinking skills through the use of free response essays and analysis of classroom discussions to enhance

understanding of concepts. Each grading period, students will complete a research-based project of their choosing from a list of approved projects offered by the instructor. This course fulfills the state's graduation requirement for Civics. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

### **UNITED STATES HISTORY SINCE 1890** 470000

Grade Level: 9, 11  
Credit: 1 Unit

United States History Since 1890 will focus, in greater depth, 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. United States History Since 1890 is designed to show 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. The course examines the emergence of the United States as a world power to the present. Students will examine the political, economic, geographic, social, and cultural development of the United States of America from the late nineteenth century into the twenty-first century through disciplinary literacy skills: reading, writing, speaking, and listening. The course will also use primary and secondary source reading during the course of the class.

### **UNITED STATES HISTORY P-AP** 470001

Grade Level: 9  
Credit: 1 Unit

United States History since 1790 focuses on the effects of: changing American culture, technology, economics, and the United States political landscape. The course is designed to show cause-and-effect relationships between past and present events and examines the foundation on which the United States will become a world power. Students will examine the political, economic, geographic, social, and cultural development of the United States to the turn of the 20th century. The course will also reinforce reading, writing, and basic research skills using primary and secondary source analysis.

### **AP U.S. HISTORY** 570020

Grade Level: 11, 12  
Credit: 1 Unit

Advanced Placement United States History is a college level course designed to prepare students for both the national Advanced Placement Examination and the rigor of collegiate education. AP US History is a lecture-based course, similar to a survey course at the collegiate level. Although lecture-based, the course features open class discussions on events and trends in U.S. history. The course moves at an accelerated pace, and will cover a broad spectrum of information from 1491 to the present through the use of primary and secondary documents, reading assignments from a college-level textbook, plus the reading of historiography documents. The course is writing intensive with assignments coming from document based essays, short answer summaries, and free response essays which deal with chronological reasoning, compare and contrast, and change over time. Students will learn how to make historical connections between time periods through higher level

analytical thinking skills. Exams are multiple choice and essay, based upon the Advanced Placement United States History exam. At the end of the course, students will take the National Advanced Placement United States History exam in which they have the opportunity to earn college credit. **This course will fulfill the American History graduation requirement. History Day is NOT a requirement. A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

#### **WORLD HISTORY 1450 to the Present** 471000

Grade Level: 10  
Credit: 1 Unit

This course 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 9-12 provides an in-depth study of the history of human society from the Emergence of First Global Age 1450-1770 to the Contemporary World since 1945.

#### **AP WORLD HISTORY** 571020

Grade Level: 10  
Credit: 1 Unit

AP World History is a college level course designed to increase student understanding of world history while preparing students for both the Advanced Placement Examination and the rigor of collegiate education. In AP World History, students will investigate significant events, individuals, developments, and processes across six historical periods from approximately 8000 B.C.E. to the present. Students will use the same skills, practices, and methods employed by historians by analyzing sources and developing historical arguments. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places. AP World History is a lecture and discussion based course that moves at an accelerated pace, it employs a college level textbook, exams are multiple choice and essay, and assignments are based on the Advanced Placement Examination. At the end of the course, students will take the National Advanced Placement exam in which they have the opportunity to earn college credit. **This course will fulfill the World History graduation requirement. History Day is NOT a requirement. A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**

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## WORLD LANGUAGES

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**CHINESE I** 447000  
**FRENCH I** 441000  
**GERMAN I** 442000  
**SPANISH I** 440000

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Level I students are expected to have strong literacy skills and should be committed to regular memorization and practice of the target language within and outside the classroom.

This year-long course emphasizes communication in the target language and understanding of diverse cultures in which the language is spoken. Students are given opportunities to apply their language skills in real-life activities, authentic cultural projects, and class presentations. The aim of the course is to provide students with basic language skills, the ability to carry out simple conversations, and an open-minded approach to new cultural perspectives. Level I themes include: all about me, school, city, shopping, food, health, clothing, family, and home life.

**CHINESE II** 447010  
**FRENCH II** 441010  
**GERMAN II** 442010  
**SPANISH II** 440020

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Level II students are expected to have a solid foundation in Level I skills and should be committed to advancing their critical thinking skills and effective communication in the target language.

This year-long course expands on Level I themes with more in-depth communicative skills and cultural exploration. Students are given opportunities to apply their language abilities in real-life activities, authentic cultural projects, and class presentations. The aim of the

course is to provide students with additional language skills, the ability to carry out more complex conversations, and an open-minded approach to new cultural perspectives. Level II themes include: holidays and celebrations, daily life, preparing meals, childhood memories, vacations, city life, entertainment, and future plans.

**CHINESE III** 447030  
**FRENCH III** 441030  
**GERMAN III** 442030  
**SPANISH III** 440030

Grade Level: 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Level III students are expected to have a solid foundation in Level I and II skills. They should be committed to regular use of the target language in class and applying their skills in new and challenging situations.

This Pre-AP course expands on Level II themes with more advanced communicative skills and cultural exploration. Students are given opportunities to apply their language abilities in real-life activities, authentic cultural projects, and research in the target language. The aim of the course is to provide students with advanced language skills and the ability to carry out complex conversations, as well as an open-minded approach to new cultural perspectives. Level III themes include: personal life, past experiences, future goals, vacation plans, government and society, environment and global awareness, science and technology, relationships and life events, and an introduction to literature.

**FRENCH IV** 441040  
**SPANISH IV** 440040

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Level IV students are expected to have a solid foundation in Level II and III skills. They should be committed to regular use of the target language in class and applying their skills in new and challenging situations.

This Pre-AP course expands on Level III themes with more advanced communicative skills and cultural exploration. Students are given opportunities to apply their language abilities in real-life activities, authentic cultural projects, and research in the target language. The course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. Students will research and synthesize information from a variety of authentic sources, express themselves in spontaneous situations, and explore historical and current events that impact global cultural perspectives. Level IV themes serve as an introduction to the AP World Language themes: Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, Science and Technology.

**AP FRENCH LANG/CULTURE** 541060  
**AP GERMAN LANG/CULTURE** 542060  
**AP SPANISH LANG/CULTURE** 540070

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** AP students must have a solid foundation in content from all previous levels of language study. They should be committed to regular use of the target language in class and applying their skills in new and challenging situations.

This Advanced Placement (AP) World Language and Culture course emphasizes communication by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. Students will research and synthesize information from a variety of authentic resources to present to the class. To best facilitate these goals, the course is taught almost exclusively in the target language. The AP course challenges students to explore culture in both contemporary and historical contexts and is structured around six themes: Beauty and Aesthetics, Contemporary Life, Families and Communities, Global Challenges, Personal and Public Identities, Science and Technology. **A \$40 fee will be required if any AP course is dropped after the November deadline for ordering exams. Students enrolled in an AP course are required to take the AP exam. If a student is absent on the day of their exam, unless the absence is excused by College Board, a \$15 fee will be charged.**



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## CAREER AND TECHNICAL

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All students enrolled in any of the following Trades and Professional classes (Automotive Collision Repair, Architectural Drafting & Design, Cosmetology, Computer Engineering, Construction, Photography, and Welding) are encouraged to join the professional club of which each teacher is a sponsor. SkillsUSA is the official professional organization for these classes. The dues are \$20.00 annually that affiliates the student with local, state and national SkillsUSA membership. This organization has both state and national leadership and skill competitions, some of which offer scholarship opportunities.

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### ARCHITECTURAL DRAFTING & DESIGN

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#### **DRAFTING & DESIGN / ARCHITECTURE/CAD I** 494700/494710

Grade Level: 10, 11, 12  
Credit: 2 Units

This course is an introductory drafting course designed to give the beginning student a basic understanding of design and drafting processes. The class progresses at a steady pace and incorporates the D.R.A.W. (Discipline, Respect, Attitude, Work Ethic) method for success. Students use standard mechanical drafting tools to complete various drafting drawings and apply those principals to CAD. Units of study include career exploration, sketching, drafting equipment, 3-view orthographic projection, geometric construction, standard dimensioning practices, and architectural. The class is set up using drafting board/tools the 1<sup>st</sup> Quarter, AutoCAD the 2<sup>nd</sup> Quarter, Inventor (Mechanical) the 3<sup>rd</sup> Quarter, and Revit (Architectural) the 4<sup>th</sup> Quarter. Students will design a 3D project and use a 3D printer. Most of the class time is spent on actual drawing creation. At the end of

the school year, the students will have a slide show presentation of their CAD drawings. Students interested in a career relating to architecture, engineering, construction trades, or interior design should include this course in their high school education.

**Articulated/Concurrent Credit – See Page 9**

#### **ARCHITECTURE/CAD II and LAB** 494730/494740

Grade Level: 11, 12  
Credit: 2 Units

**Prerequisite:** Drafting &  
Design/Architectural/CAD I

This course is a more in-depth study of residential and commercial construction using the Autodesk Revit and Inventor software. Students will use conceptual design, design development, interior design and construction documentation in an architectural project. During the engineering focus, the student will create and edit parametric parts, assembly models, and drawings with engineering being the basis or design. Students will use Virtual Reality software to walk through their house designs. Emphasis is given to the development of competencies related to solving architecture and engineering drafting design problems. At the end of the school year, the students will have a slide show presentation of their CAD drawings. This course is recommended for students who are interested in continuing their education in a range of CAD and engineering fields at a post-secondary level or who are interested in obtaining an entry-level CAD position.

**Articulated/Concurrent Credit – See Page 9**

**ENGINEERING/CAD II and LAB**  
494760/494750

Grade Level: 12  
Credit: 2 Units

**Prerequisite:** Drafting & Design and Architecture/CAD I AND Architecture/CAD II and Engineering/CAD I

Engineering/CAD II focuses on the knowledge and skills require to create advanced level engineering drawings. Emphasis is given to putting into practice real world experience related to solving problems that require the individual to understand and use various engineering software and techniques. This course is recommended for students who are interested in continuing their education in a range of CAD and engineering fields at a post-secondary level or who are interested in obtaining an entry-level CAD position.

**Articulated Credit – See Page 9**

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**AUTOMOTIVE**

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**AUTOCOLLISIONI – NON-STRUCTURAL ANALYSIS & REPAIR** 494300/590101

Grade Level: 10, 11  
Credit: 2 Units

**Prerequisite:** Should be able to safely lift 50 pounds and have no dust allergies

This is a hands-on course that will focus on non-structural analysis and damage repair on automobiles. There are six sections that will be covered according to the National Automotive Technicians Education Foundation (NATEF).

- 1) Preparation
- 2) Outer body panel repairs, replacements and adjustments
- 3) Metal finishing and body filling
- 4) Moveable glass and hardware
- 5) Metal welding and cutting
- 6) Plastics and adhesives

**Attention and alertness are absolutely crucial for the safety in and around all structural operations.**

This course helps students acquire the knowledge and skills needed as they work toward a nationally-recognized, industry-standard Automotive Service Excellence (ASE) certification.

**Articulated/Concurrent Credit – See Page 9**

**STRUCTURAL ANALYSIS & REPAIR / PAINTING & REFINISHING** 494320/494310

Grade Level: 11, 12  
Credit: 2 Units

**Prerequisite:** Non-Structural Analysis & Repair

This is an advanced level course that will focus on structural analysis and damage repair according to standards set forth by the National Automotive Technicians Education Foundation (NATEF).

- 1) Frame inspection and repair
- 2) Unibody inspection measurement and repair
- 3) Fixed glass
- 4) Metal welding and cutting

The painting and refinishing section is the most popular area in today's body shop world. Curriculum includes:

- 1) Safety precautions;
- 2) Surface preparation;
- 3) Spray gun and related equipment operation;
- 4) Paint mixing, matching, and applying.

One very important aspect of this course is to reinforce previously acquired skills in automotive collision repair.

**Attention and alertness are absolutely crucial for the safety in and around all structural operations.**

This course helps students acquire the knowledge and skills needed as they work toward a nationally-recognized, industry-standard Automotive Service Excellence (ASE) certification.

**Articulated Credit – See Page 9**

## **PAINTING & REFINISHING LAB**

590102/590103

Grade Level: 12

Credit: 2 Units

**Prerequisite:** Structural Analysis & Repair /  
Painting & Refinishing

Painting & Refinishing Lab is the final course offered in the collision repair program. This lab is needed to fulfill ASE/NATEF hour requirements in working toward ASE certification.

**Attention and alertness are absolutely crucial for the safety in and around all structural operations.**

When the student completes this final section, he/she will be seen as a potential future technician with an understanding of the importance of efficiency, conservation, cost, and environmental safety. This course helps students acquire the knowledge and skills needed as they work toward a nationally-recognized, industry-standard Automotive Service Excellence (ASE) certification.

**Articulated Credit – See Page 9**

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## **COMPUTER ENGINEERING (COMPUTER SCIENCE NETWORKING AND HARDWARE)**

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### **NETWORKING/HARDWARE I/ NETWORKING/HARDWARE II**

465110/465120

Grade Level: 10, 11, 12

Credit: 2 Units

Have you ever wondered how machines interact to create things? This program immerses you in the world of computers and how they are used to control machines. What if you could tell a machine when to move something, cut it, drill a hole in it, then turn it around and move it down a conveyer belt to be polished. Would learning to program a device that delivers the instructions to perform these

tasks interest you? This course is mostly hands on. If you like learning how to build things and make them work the way you want, then this is the course for you! You will discover how logic can affect physical devices. From using a computer to print with a laser engraver, traveling the network in virtual reality, or building 3D models, you will learn how to create using logic. The understanding of electronics, pneumatics, servo systems, robotics, and processes will not only be fun and exciting, but will also prepare you for high pay, high demand, employment in the future. Working in groups and individually, you will enjoy every lab this course has to offer. **Completion of this course will qualify as a Flex Credit (substitute for a student's 3<sup>rd</sup> science or 4<sup>th</sup> math credit).**

**Articulated/Concurrent Credit – See Page 9**

### **NETWORKING/HARDWARE III/IV ADVANCED NETWORKING I/II**

465130/465140/465921

Grade Level: 10, 11, 12

Credit: 2 Units

Have you ever wondered how the Internet works? This program engages you in the world of networking and how computers talk to one another. Have you ever wondered how your on-line games work and how people all over the globe can be playing the same game together? Would learning to program networking devices that deliver data across the world interest you? This course is mostly hands on. If you like learning how to build things and make them work the way you want, then this is the course for you! You will discover how logic can network traffic. From using a computer to print with a laser engraver, traveling the network in virtual reality, or building 3D models, you will learn how to create using logic. The understanding of electronics, router, switches, and servers will not only be fun and exciting, but will also prepare you for high pay, high demand, employment in the future. Working in groups and individually, you will enjoy every

lab this course has to offer. **Completion of this course will qualify as a Flex Credit (substitute for a student's 3<sup>rd</sup> science or 4<sup>th</sup> math credit).**

**Articulated/Concurrent Credit – See Page 9**

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### **CONSTRUCTION TRADES – AN NCCER ACCREDITED PROGRAM**

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#### **CONSTRUCTION TECHNOLOGY I – CARPENTRY / CONSTRUCTION FUNDAMENTALS 494460/494480**

Grade Level: 10, 11, 12

Credit: 2 Units

Construction Technology I features introductory instruction in carpentry, residential wiring, plumbing, and other basic skills required to build a house. These skills are practiced on a house students build each year. The course is physically demanding and might require students to climb at least 10 feet and lift at least 50 pounds. The safe use of machinery, power tools, and hand tools is the top priority. This course is open to students interested in the construction industry. Students will also receive instruction on basic employability skills that pertain to every career field. Students can receive certification in the CORE and CARPENTRY areas from the National Center for Construction Education and Research (NCCER). Students will be required to provide their own hammer, speed square, and tape measure at an approximate cost of \$20. Personal protective equipment (hard hat, safety glasses, and gloves) will be provided to each student at the beginning of the course.

**Articulated Credit – See Page 9**

#### **CONSTRUCTION TECHNOLOGY II – ELECTRICAL/ CONSTRUCTION LAB**

494500/590104

Grade Level: 11, 12

Credit: 2 Units

**Prerequisite:** Construction Tech I

Construction Technology - Electrical features advanced construction techniques to include site development and job management techniques found in the construction industry. Students are required to install heating and air conditioning ducts, install the wiring for the outlets and electrical fixtures, install and inspect all plumbing, and use survey instruments accurately to construct a house. This course is open to students wanting to advance their study in the construction industry with the instructional emphasis on electrical systems. Students can receive certification in the ELECTRICAL area from the National Center for Construction Education and Research (NCCER).

**Articulated Credit – See Page 9**

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### **HEALTH SCIENCE TECHNOLOGY – MEDICAL PROFESSIONS**

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Students enrolled in Health Science Technology courses are encouraged to join Health Occupations Students Association (HOSA). Dues are \$35.00 annually, which affiliates the student with local, state and national HOSA membership. HOSA has both state and national leadership conferences and competitions that offer participants training and scholarships opportunities.

#### **CERTIFIED NURSING ASSISTING 590111**

Grade Level: 11, 12

Credit: ½ Unit

**Prerequisite:** Foundations of Healthcare, and recommended that students have taken, or be concurrently taking, Anatomy & Physiology and Medical Terminology.

This one-semester course follows the requirements and guidelines set forth by the Department of Health and Human Services, division of the Office of Long Term Care. It is taught by a state approved instructor. Students develop patient care skills such as bathing, dressing, toileting and feeding. Instruction is done through theory, classroom, lab and 16 hours of clinical training in a long term care facility. Upon completion of the course a certification exam will be offered to eligible students through the Office of Long Term Care. **The cost of the exam is \$90.00 and is the responsibility of the student.** A TB skin test is required and a criminal history/background check including authorization for adult maltreatment release at a cost of \$10.00. Good attendance is absolutely necessary. More than 3 absences disqualifies one from taking the certification exam.

### **EMERGENCY MEDICAL TECHNICIAN (EMT) 495310**

Grade Level: 12

Credit: 1 Unit

**Prerequisite:** Foundations of Health Care, EMR (First Responder) with a minimum grade of 70%, CPR certification and American Heart Association BLS for Healthcare Providers certification required. Students must be 18 years old within six months of the end of the course.

This double-blocked spring semester course follows Federal Department of Transportation guidelines and is taught by a state approved EMT instructor. Students develop skills in symptom recognition and in all emergency care procedures and techniques. Clinical hours at local hospitals and ambulance companies are required to be completed outside of the normal school day. **Interested students need to be aware of extra costs associated with the training: background check (approx. \$30.00), malpractice insurance (approx. \$10.00), immunizations (approx. \$10.00), and uniforms (approx. \$50.00).** Upon completion of the EMT course, qualified

students will be eligible to take the National Registry Exam. To sit for the exam, a student must have a cumulative GPA of 3.0 and a composite score of 19 on the ACT (or its equivalent Accuplacer score). There will be an additional cost to the student for the exam. More than 3 unexcused absences disqualifies one from taking the certification exam.

**Concurrent Credit – See page 9**

### **EMERGENCY MEDICAL RESPONDER (EMR) 494140 (formerly First Responder)**

Grade Level: 11, 12

Credit: ½ Unit

**Prerequisite:** Foundations of Health Care, and students must be 16 years of age by the end of the course. It is recommended that students have already taken Anatomy & Physiology and Medical Terminology.

This one-semester class is for students interested in emergency pre-hospital care, or public safety. The course will include scene management, patient assessment, basic triage, lifting and moving, splinting, bleeding control, initial treatment of cardiac arrest, shock, spinal injuries and other medical emergencies.

**Concurrent Credit – See page 9**

### **FOUNDATIONS OF HEALTH CARE 495350**

Grade Level: 10, 11, 12

Credit: 1 Unit

This course is designed to introduce students to medical professions and the basic foundational skills required. This course includes discussion of the origin of healthcare from ancient times through the 20<sup>th</sup> century and new and future developments. Also covered are Healthcare facilities, health insurance, careers in health care, employability skills, personal and professional qualities, legal and ethical responsibilities, nutrition and health, safety and infection control, CPR, First Aid, taking vital signs and medical math and terminology.

Students are encouraged to join HOSA: Future Health Professionals, our Career Student Technical Organization. This organization gives the student opportunities for professional development and networking with other students interested in the health care field.

### **MEDICAL TERMINOLOGY** 495360

Grade Level: 11, 12

Credit: ½ Unit

**Prerequisite:** Foundations of Health Care

Students will learn how to build medical terms by using word parts (prefixes, suffixes, root words). After successfully completing this course the student will be able to interpret and understand thousands of complex medical terms. This skill and ability will provide the student with a powerful foundation of knowledge for the language of medicine.

**Articulated Credit – See Page 9**

### **PATHOLOGY** 495290/495230

Grade Level: 11, 12

Credit: 1 Unit

**Prerequisite:** Foundations of Health Care

This course is devoted to the exploration of human pathology. Pathology is the branch of medical science that studies the cause, nature, and effects of disease on the human body. This course begins with an introduction to pathology related terms, predisposing factors of disease and the relationship between diagnosis, prognosis and treatment. Following the introduction, the course delves into the discussion of the characteristics of diseases and disorders of the different body systems. Included in this is discussion of signs and symptoms of disease, effects of trauma and age on the body.

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## **PHOTOGRAPHY**

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### **FUNDAMENTALS OF PHOTOGRAPHY**

494350

Grade Level: 10

Credit: 1 Unit

This class is designed for students who want to learn how to properly take a photo using the manual mode on their camera. Students will be taught the fundamentals of camera use and the basics of Adobe Photoshop along with the principles and elements of design. **Students will be required to purchase their own camera. A student can expect to spend approximately \$250 for an entry level camera that has a manual mode and a \$15 lab fee and expenses for Gallery Night. The lab fee covers all printing costs.** Students who are enrolled in the class will receive a letter in the summer months with suggestions for the kind of camera they should buy, along with contact information for the teacher. Students are encouraged to contact the teacher prior to purchasing a camera.

**Articulated Credit – See Page 12**

### **INTERMEDIATE PHOTOGRAPHY** 494370

Grade Level: 11

Credit: 1 Unit

**Prerequisite:** Fundamentals of Photography  
Students will be accepted into this class by an **application-only process**

Students will continue to develop their personal photography style while improving the nuances of manual photography. Intermediate Photoshop skills will be taught and studio lighting will be introduced. **The only cost associated with this class will be the \$15 lab fee for printing and matting supplies and expenses for Gallery Night.**

## **ADVANCED PHOTOGRAPHY**494380

Grade Level: 12

Credit: 1 Unit

**Prerequisite:** Intermediate Photography and teacher approval

Students will be required to own an entry level DSLR camera. Students at this level should be able to work independently to further progress their individual style and interests while pushing themselves to excel. Emphasis in this class will be placed on developing a professional portfolio of their work as well as earning their Adobe Photoshop Certification. **Approximate cost for this course will be the cost of an entry level DSLR and memory card. Lab fees of \$15 will cover printing and matting costs and expenses for Gallery Night.**

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### **WELDING – AN NCCER ACCREDITED PROGRAM**

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## **WELDING I – SHIELDED METAL ARC/ INTRO TO SKILLED TRADES**

495580/494481

Grade Level: 10, 11, 12

Credit: 2 Units

Welding I is an introduction to basic metalworking. The course places emphasis on welding and metal fabrication with some sheet metal and metallurgy. Students will be introduced to welding processes, tools, safety practices, and bench work that includes required exercises and project work. Welding certification testing is available if students meet requirements and can demonstrate sufficient skills. Welding I is open to all eligible students. **Students must provide some personal safety apparel.**

**Articulated/Concurrent Credit – See Page 9**

## **WELDING II – GAS TUNGSTEN ARC / GAS METAL ARC** 495560/495550

Grade Level: 11, 12

Credit: 2 Units

**Prerequisite:** Welding I

Welding II is designed for the student who would like to do a more in-depth study in welding and metal fabrication. Areas of welding and fabrication are available in conjunction with assigned projects and required exercises. Emphasis will be placed on knowledge, application, safety, fabrication, and craftsmanship. Welding certification testing is available if students meet requirements and can demonstrate sufficient skills. Welding II is open to all eligible students. **Students must provide some personal safety apparel.**

**Articulated/Concurrent Credit – See Page 9**

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## MISCELLANEOUS

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### **COLLEGE & CAREER READINESS 12** 493880

### **COLLEGE & CAREER READINESS 11** 493881

Grade Level: 11, 12

Credit: ½ Unit

College and Career Readiness is the development of skills and knowledge necessary to be successful in any selected career pathway and program of study regardless of postsecondary plans. This course is fundamental for all subsequent career planning and preparation. The theory is to plan for something with a career focus and prepare for all careers with the skills employers desire. This course includes honest self-realization, college and career research and planning, making decisions, development of work discipline, and readiness in preparation and pursuance of a satisfying and fulfilling career. The process is continual, progressive and necessary to help an individual transition through education, job preparation and career readiness. The major goal of College and Career Readiness is to engage students in their own future success. Students will have the knowledge to take advantage of learning opportunities while adapting to changing personal needs and trends of local, national, and global economies. Students will also have the opportunity to complete the WorkKeys Readiness Certification Test. This is a business and industry recognized certification that will give employers an understanding of the student's skills and readiness for the job

### **DRIVER'S EDUCATION 690040** (Local Credit)

Grade Level: 9, 10, 11

Credit: ½ Unit

**Prerequisite:** Minimum age 14, plus 2.0 GPA from previous semester, and student must have obtained a driving permit before the beginning of the semester

Driver Education will be offered to 9<sup>th</sup> and 10<sup>th</sup> grade students on a first-come first-served basis. The course will include 30 hours of classroom instruction and 6 hours of behind-the-wheel driving.

### **COMMUNITY SERVICE LEARNING** 496013

Grade Level: 9, 10, 11, 12

Credit: 1 Unit

**Prerequisite:** Approval of counselor

A student who has completed a minimum of 75 clock hours of documented community service in grades nine through twelve, as certified by the service agency or organization to the school, shall be eligible to receive one academic credit that may be applied toward graduation. The community service shall be in programs or activities approved by the State Board of Education and the local school board and shall include preparation, action, and reflection components.