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Russellville High School Graduation Requirements

	8 th Grade	9 TH Grade	10 th Grade	11 th Grade	12 th Grade
English 4 Credits Required	None	English 1 or Pre-AP English 1	English 2 or Pre-AP English 2	English 3 or AP English Language	English 4, AP English Literature, or ATU Concurrent English

Math 4 Credits Required 1 Credit beyond Algebra 2 required for Smart Core	Algebra 1 For students who qualify	Algebra 1 or Geometry	Geometry or Algebra 2(complete Geometry before taking Alg 2) Can also take Bridge to Algebra 2	Algebra 2 or Algebra 3/Pre-AP Calculus/Advanced Topics in Math /AP Statistics	Algebra 3/Pre-AP Calculus/Advanced Topics in Math /AP Statistics or AP Calculus
Science 3 Credits Required	None	Physical Science	Biology	Chemistry-Integrated (Smart Core) 3RD Science Elective(Core)	
Social Studies 3 Credits Required Civics/Economics U.S. History World History	None	U.S. History Class of 2018	World History	Civics and/or Econ Class of 2018	Civics and/or Econ Class of 2018
Also Required: <ul style="list-style-type: none"> • Oral Communications ½ credit • PE ½ credit • Health ½ credit • Fine Arts ½ credit • Computer Business Applications/EAST 1 credit • 6 Electives- Career Focus 					
23 total credits					

All full year courses unless marked with (S) to indicate one semester courses. Arkansas Tech Career Center (ATCC) is on campus with RHS but is directed by Arkansas Tech University

At Russellville Junior High School, students begin taking assessments that show what career cluster they are interested in based off the 16 Career Clusters in the National Career Clusters Framework. Students then can take classes at RHS that match these career clusters or match one of the 18 Career/Technical education (CTE) career pathways that are available at RHS. Students in the career pathways class have the opportunity to receive college credit through Arkansas Tech University Ozark campus and receive industry level certifications.

CAREER CLUSTER	9TH GRADE OPTIONS	HIGH SCHOOL OPTIONS OFFERED IN GRADES 10, 11, OR 12	HIGH SCHOOL OPTIONS OFFERED IN GRADES 11 OR 12 ONLY	HIGH SCHOOL OPTIONS OFFERED IN GRADE 12 ONLY
Agriculture, Food & Natural Resources	Family & Consumer Science	AP Human Geography, Arkansas History(S), World Geography(S) , Family & Consumer Science	Foods & Nutrition(S) , Botany(S), Zoology(S), Microbiology(S), Marine Biology, AP Macroeconomics, AP Environmental Science	Clothing Management
Architecture & Construction	EAST	EAST ATCC Construction Technology or Computer Aided Drafting, AP World History, World Religions, World History, Art		
Arts, Audio-Visual Technology & Communications	Introduction to Theater Journalism Art I Band Choir EAST	ELA Drama(S), Creative Writing(S), Journalism, Introduction to Theater, Theater Performance I, Art I, Art II, Forensics, Debate, Theater Technical Design, Band, Choir, Music Appreciation(S), EAST, AP World History, World Religions	Theater Performance II, AP Music Theory, Housing and Interior Design(S), Art III	Clothing Management Art IV
Business, Management & Administration	CBA Journalism	CBA, Entrepreneurship I/II(S), Journalism, Computerized Accounting I, Psychology, Sociology, AP Psychology, AP Human Geography	Business Law I/II(S), Housing and Interior Design(S), Marketing Education, Computerized Accounting II, AP Macroeconomics, AP Government & Politics	Clothing Management

CAREER CLUSTER	9TH GRADE OPTIONS	HIGH SCHOOL OPTIONS OFFERED IN GRADES 10, 11, OR 12	HIGH SCHOOL OPTIONS OFFERED IN GRADES 11 OR 12 ONLY	HIGH SCHOOL OPTIONS OFFERED IN GRADE 12 ONLY
Education & Training	Family & Consumer Science	Family & Consumer Science, AP Psychology, Psychology(S), Sociology(S)	Financial Literacy (S)	Education & Training
Finance	CBA, Spanish	CBA, Computerized Accounting I, Entrepreneurship I/II(S), Financial Literacy (S), Spanish, French	Computerized Accounting II, Financial Literacy(S), AP Macroeconomics	
Government & Public Administration	EAST, Spanish, AP United States History, JROTC	Military History(S), EAST, Spanish, French, AP Human Geography, JROTC	AP Macroeconomics, AP US Government & Politics, Business Law I/II(S), Civics, JROTC	Government & Public Administration JROTC
Health Science	Spanish, Principles of Biomedical Science	Spanish, French, Principles of Biomedical Science, Human Body Systems	AP Physics, AP Chemistry, AP Biology, Genetics, AP Calculus, AP Statistics, ATCC Health Science Technology I, Medical Interventions, Microbiology	ATCC Health Science Technology II, Biomedical Innovations,
Hospitality & Tourism	Spanish	Spanish, French AP Human Geography, World Geography(S) ATCC Culinary Arts	ATCC Culinary Arts, Business Law,	Culinary Arts,
Human Services	Family & Consumer Science, CBA, EAST, Spanish	World Religions(S), Family & Consumer Science, Psychology(S), AP Psychology, CBA, EAST, Spanish, French, AP Human Geography	AP Macroeconomics, Financial Literacy(S), Business Law I/II (S)	
Information Technology	CBA, Intro to Engineering Design, EAST, Spanish, Journalism	Intro to Engineering Design, Principles of Engineering, ATCC Computer Engineering, CBA, Social Media/ Communications I, EAST, Spanish, French, Journalism, AP Human Geography	Digital Electronics,	Engineering Design Development

CAREER CLUSTER	9 TH GRADE OPTIONS	HIGH SCHOOL OPTIONS OFFERED IN GRADES 10, 11, OR 12	HIGH SCHOOL OPTIONS OFFERED IN GRADES 11 OR 12 ONLY	HIGH SCHOOL OPTIONS OFFERED IN GRADE 12 ONLY
Law, Public Safety, Corrections & Security	CBA, AP United States History	ATCC Criminal Justice, CBA, Journalism, Psychology (S), Sociology (S), AP Psychology, Debate, Forensics, AP World History, World History	Business Law I/II (S), AP U.S. Government & Politics,	
Manufacturing	EAST	ATCC Automation, Robotics, Welding. EAST, AP Human Geography	Housing & Interior Design (S), Clothing Management (S)	
Marketing, Sales & Service	CBA, EAST, Journalism	CBA, Entrepreneurship, EAST, AP Human Geography, Journalism	ATCC Cosmetology, Marketing, Computerized Accounting I,II, AP Macroeconomics	Marketing Law, Clothing Management (S)
Science, Technology, Engineering, Mathematics	Introduction To Engineering Design, CBA, Principles of Biomedical Science, EAST	Introduction To Engineering Design, Principles of Engineering, ATCC Computer Engineering, EAST, Entrepreneurship, CBA, Principles of Biomedical Science, AP Human Geography	Digital Electronics, AP Statistics, AP Calculus, AP Environmental Science, Zoology (S), Botany (S), AP Biology, AP Chemistry, AP Physics, Genetics(S), Microbiology (S), Marine Biology, Human Body Systems, Medical Interventions	Engineering Development
Transportation, Distribution & Logistics	CBA, EAST	ATCC Auto Service Technology, EAST, CBA, AP Human Geography, Military History (S) World Geography (S)	AP Statistics, AP Calculus, AP Macroeconomics	Transportation, Distribution & Logistics

GENERAL MANAGEMENT PATHWAY

Business, Management and Administration Cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications	Full year/ 1 period
AND	
Management	Full year/ 1 period
AND one unit of the following	
Computerized Accounting I	Full year/ 1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period
Marketing	Full year/1 period
Entrepreneurship	Full year/1 period

WEB DESIGN & SOCIAL MEDIA & COMMUNICATIONS PATHWAY

Information Technology Cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications	Full year/ 1 period
AND	
Social Media & Communications	1 semester/1 period
AND one unit of the following	
Business Law I and II	Full year/ 1 period
Computerized Accounting	Full year/ 1 period
Entrepreneurship	Full year/ 1 period
Management	Full year/ 1 period
Marketing	Full year/ 1 period

ACCOUNTING PATHWAY

Finance Cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications	Full year/ 1 period
AND	
Computerized Accounting I	Full year/ 1 period
AND one unit of the following	
Computerized Accounting II	Full year/ 1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period

SECURITIES & INVESTMENTS PATHWAY

Finance Cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications	Full year/ 1 period
AND	
Computerized Accounting I	Full year/ 1 period
AND one or more of the following	
Economics	1 semester/1period
Financial Literacy	1 semester/1period

MARKETING MANAGEMENT PATHWAY

Marketing, sales and service cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Applications	Full year/ 1 period
AND	
Entrepreneurship	Full year/ 1 period
AND one or more of the following	
Computerized Accounting I	Full year/ 1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period
Marketing	Full year/1 period
Marketing Apprenticeship Work-Based Learning	Full year/1 period

MARKETING RESEARCH PATHWAY

Marketing, sales and service cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computerized Business Application	Full year/ 1 period
AND	
Marketing	Full year/ 1 period
AND one or more of the following	
Marketing Apprenticeship Work-Based Learning	Full year/ 1 period
Business Law I	1 semester/1 period
Business Law II	1 semester/1 period

FAMILY & CONSUMER SCIENCE PATHWAY

Human services cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Family and Consumer Sciences	Full year/ 1 period
Food Safety/Food & Nutrition	Full year/ 1 period
AND Two of the Following:	
Child Development/Parenting	Full year/ 1 period
Financial Literacy	1 semester/1 period
Housing and Interior Design	1 semester/1 period

BIOMEDICAL SCIENCES PATHWAY

Health science cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Principles of Biomedical Sciences	Full year/ 1 period
Human Body Systems	Full year/ 1 period
Medical Intervention OR Biomedical Interventions	Full year/ 1 period

COMPUTER SCIENCE PATHWAY

Informational technology cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Computer Science Principles	Full year/ 1 period
Computer Science A	Full year/ 1 period
***Cybersecurity (Offered at RHS Fall 2018)	

ENGINEERING PATHWAY

Science technology, engineering & mathematics (STEM) cluster

CORE REQUIREMENTS	UNITS OF CREDIT
Introduction to Engineering Design	Full year/ 1 period
Principles of Engineering	Full year/ 1 period
Engineering Design and Development OR Digital Electronics	Full year/ 1 period

CONSTRUCTION TECHNOLOGY

Architecture and construction cluster

CORE REQUIREMENTS		UNITS OF CREDIT
Construction Trades I	Construction Fund	1 semester/2 periods
Construction Trades II	Electrical Apps	1 semester/2 periods
Construction Trades III	Carpentry/Construction Lab I	1 semester/3 periods
Construction Trades IV	Plumbing/Construction Lab II	1 semester/3 periods

COSMETOLOGY

Marketing sales and service cluster

CORE REQUIREMENTS		UNITS OF CREDIT
Cosmetology I	Cosmetology I/Lab	Full year/3 periods (16+ years old)
Cosmetology II	Cosmetology II/Lab	Full year/3 periods (16+ years old)

CRIMINAL JUSTICE

Law, public safety, corrections and security cluster

CORE REQUIREMENTS		UNITS OF CREDIT
Law & Public Safety I	Intro Law Enforcement	1 semester/ 2 periods
Law & Public Safety II	Criminal Civil & Juv.Law/Public Relations in Law Enforcement	1 semester/ 2 periods
Law & Public Safety III	Judicial Process/Interview Interrogation & Testimony Crime Scene Investigation/Ethics in LE	1 semester/ 3 periods
Law & Public Safety IV	American Legal System	1 semester/ 3 periods

CULINARY ARTS

Hospitality and tourism cluster

CORE REQUIREMENTS		UNITS OF CREDIT
Restaurant, Food & Beverage Service I	Culinary Arts I	1 semester/ 2 period
Restaurant, Food & Beverage Service II	Culinary Arts II	1 semester/ 2 periods
Restaurant, Food & Beverage Service III	Intro to Culinary Arts/Pro Start I	1 semester/ 3 periods
Restaurant, Food & Beverage Service IV	Pro Start II/Lab	1 semester/ 3 period

HEALTH SCIENCE/HEALTH INFORMATION TECHNOLOGY

Health sciences cluster

CORE REQUIREMENTS	UNITS OF CREDIT
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Health Services I	Human Anatomical Structures I/II	1 semester/2 period
Health Services II	Medical Terminology/Disease Processes	1 semester/2 period
Health Services III	Pharmacology/First aid CPR Phlebotomy	1 semester/3 period
Health Services IV	(taken with Pharmacology & First Aid/CPR) Basic Nursing Principles (Certified Nursing Assistant)	Full year/3 periods
CNA I	(Taken with Pharmacology & First Aid/CPR)	1 semester/3 periods *Required Prerequisites "Core"
Emergency Medical Technician I	Medical First Responder/First Aid/ CPR	1 semester/3 periods *(18 years old)
EMT II	Emergency Medical Technician (must be taken after EMT I)	1 semester/3 periods *(18 years old)

COMPUTER ENGINEERING TECHNOLOGY

Computer Engineering Cluster

CORE REQUIREMENTS		UNITS OF CREDIT
Info Tech I	PC Maintenance	1 semester/ 2 periods
Info Tech II	Fundamentals of Computer Operations	1 semester/ 2 periods
Info Tech III	Networking I	1 semester/ 3 periods
Info Tech IV	HTML/Programming I	1 semester/ 3 periods
Mobile Applications I	Mobile Applications I/Lab	1 semester/ 3 periods
Mobile Applications II	Mobile Applications II/Lab	1 semester/ 3 periods

MANUFACTURING TECHNOLOGY

Manufacturing cluster

CORE REQUIREMENTS	UNITS OF CREDIT
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Advanced Manufacturing I	Fund of Electricity IDC/Fund of Electricity II AC	1 semester/ 1 period
Advanced Manufacturing II	Intro to Robotics I/Semiconductors Semiconductors II / Industrial Automation	1 semester/ 2 periods
Advanced Manufacturing III	Intro to Programmable Controllers Industrial Automation / Industrial Fluid Power	1 semester/3 periods
Advanced Manufacturing IV	Intro to digital Logic	1 semester/3 periods

WELDING TECHNOLOGY

Manufacturing cluster

CORE REQUIREMENTS		UNITS OF CREDIT
Welding I	Intro to Thermal Cutting	1 semester/ 2 period
Welding II	Gas Tungsten Arc (TIG) Welding	1 semester/ 2 periods
Welding III	Gas Metal Arc (MIG) Welding/Blue-print Reading	1 semester/ 3 periods
Welding IV	Intro to Arc Welding	1 semester/ 3 periods

AUTO SERVICE TECHNOLOGY

Manufacturing cluster

Auto Service Tech I	Brakes	1 semester/ 2 periods
Auto Service Tech II	Chassis Steering & suspension	1 semester/ 2 periods
Auto Service Tech III	Auto Electronics Advanced Electronics	1 semester/ 3 periods
Auto Service Tech IV	Gas Engine Theory	1 semester/ 3 periods

Smart Core/Core Curriculum

All students are required to participate in the Smart Core curriculum unless their parents or guardians (or students, if they are 18 years or older) sign an Informed Consent form to not participate. Those students not participating in the Smart Core curriculum are required to fulfill the Core curriculum or the requirements of their IEP (when applicable) to be eligible for graduation. Informed Consent forms are required to be signed prior to a student's registering for seventh grade classes, or, if enrolling in the district for the first time, for seventh through twelfth grade classes. The appropriately signed form shall become part of the student's permanent record.

Russellville High School Concurrent Credit

Russellville High School students have the opportunity to earn concurrent credit from both Russellville High School and Arkansas Tech University in Composition I and II, Biology, Teacher Cadet I and II, and College Algebra and Trigonometry (through Pre-AP Calculus). Before a student is allowed to enroll in a concurrent course, he or she must meet all of the admission requirements and must have a qualifying test score submitted at Arkansas Tech University no later than May 15. To enroll in any course, a student must have scored a 19 in reading on the ACT and a 19 in the subject area of the course in which he or she plans to enroll, OR an equivalent score on a comparable test. Students are responsible for the costs of these tests.

Students should apply for online admission at ATU as a CONCURRENT STUDENT and provide the university with a high school transcript and immunization records. RHS can forward the transcripts for students and provide them with a copy of immunization records after a student has picked up and returned a signed permission form from a parent to the Guidance Office at RHS. Registration at Arkansas Tech University must be completed by May 15, 2018.

For all of the concurrent credit courses, the 1st semester is a prerequisite for the 2nd semester. All of the concurrent credit courses qualify for Honors credit at Russellville High School.

Concurrent Credit Requirements

- Before a student is allowed to enroll in a concurrent course, he or she must meet all of ATU's admission requirements and must have a qualifying test score submitted to ATU no later than **May 15**. The student must have scored a 19 in reading on the ACT and a 19 in the subject area of the course the student plans to enroll. Pre AP Biology acceptable score is a 19 in Reading and Math.
- The student will be responsible for the costs of taking the qualifying test as stated in the RULES GOVERNING CONCURRENT COLLEGE AND HIGH SCHOOL CREDIT.
- Russellville earned credit for concurrent credit classes first semester will be an elective credit and second semester will be counted as a graduation required course. Concurrent Credit classes taken first semester are prerequisites for second semester and must be taken in consecutive semesters.
- Intro to Biology (420001) is a prerequisite for the concurrent Pre-AP Biology course (529900) and must be completed in consecutive semesters during the student's sophomore year. Students may receive a total of 4 hours of Biology credits from AP or Concurrent Courses.
- Concurrent credit Biology taken at Russellville High School will count as a Biology credit for non-Biology majors that enroll at ATU.
- Students may pick up an enrollment packet in the Counselors Office.

We will help students with the ATU enrollment and send the necessary documents. Feel free to contact the Counselors office with any questions.

- Students that have a low grade in their Concurrent Credit class can have the grade replaced with a “W” on their college transcript by completing a ATU drop form before their deadline. The drop forms will be available with the Concurrent Credit teachers and in the Counselors office. A low grade on the student’s college transcript may affect scholarships and financial aide.

Russellville High School Concurrent Credit Information & Enrollment Check List

Students who are still in high school may apply to earn college credit at Arkansas Tech University during the regular academic year, concurrent with enrollment in high school. Grades for concurrent courses are included on the RHS transcript as well as on an ATU transcript.

Eligibility Requirements:

Minimum sub-composite ACT score of 19 or equivalent test score in reading. English, math and science classes require an additional minimum sub-composite ACT score of 19 or equivalent test score in the respective subject area.

- Cumulative high school GPA of 2.0 or greater on a 4.0 scale.
- A student MOU, signed by your legal guardian and secondary school official, must be on file with our office.

For more information about ATU concurrent credit and to apply online visit the ATU web page.

<https://atu.edu/admissions/concurrent.php>

RHS concurrent credit classes are yearlong classes. The first semester is a prerequisite for the second semester and must be successfully completed in order to continue into the second semester.

Check list for enrollment in concurrent credit RHS courses:

_____ Sign the Informed Consent for Release of Student Records and the ATU Memorandum of Understanding (MOU) at Russellville High School. There papers should be returned to the RHS counselor’s office before May 15.

_____ Apply online with ATU for the High School Concurrent Program. See

ATU web page information above for the online application. Be sure you choose the *High School Concurrent* application. Also be sure you say you are a *non degree seeking student*. Step by step instructions are available on the enrollment packet.

_____ Supply the RHS counselor’s office with ACT scores as shown in eligibility requirements above. These scores must be received by May 15. If you take the ACT at RHS, we will get your scores from ACT. Students are required to pay any costs involved with taking qualifying tests.

Alternate test scores may be substituted for ACT scores. ACT Aspire scores can be used if they are from 9th or 10th grade and are from a previous school year. This year’s scores will not arrive in time to be used for placement. See RHS counselor for other testing options and cut off scores.



**Russellville High School and Arkansas Tech University
Concurrent Credit Program**

Courses Offered:

Course	Grade	RHS Course Code	ATU Course Code	Credit for ATU	Credit for RHS
Pre- Calculus	11/12	539900 (Fall) 43300C (Spring)	College Algebra - MATH 1113 Plane Trigonometry - MATH 1203	3 hrs of College Algebra and 3 hrs of Trigonometry	1 credit of Math elective and *1 credit of Pre- Calculus
US History I (Online)	11/12	579901	Hist 2003	3 hrs of US History I	1 credit of Social Science elective
US History II (Online)	11/12	47000C	Hist 2013	3 hrs US History II	1 credit of US History
Composition I	12	519900	Engl 1013	3 hrs Composition I credit	1 Language Arts elective

Composition II	12	519901	Engl 1023	3 hrs Composition II	1 credit of English IV
Teacher Cadet	11/12	497100	Mled2003	3 hrs Intro to Education	1 credit
Pre AP Biology	All	42000C(Fall) 529900 (Spring)	Biol 1014	4 hrs Intro to Biology credit	0.5 Science elective (Fall semester) and 1 *Pre- AP Biology credit (Spring semester)

*Denotes honors courses for Russellville High School

GRADING

The following uniform marking system has been adopted for use in all secondary schools in the RSD:

A 90-100%
B 80-89%
C 70-79%
2weeks)

D 60-69%
F Below 60%
I Incomplete(will become "F" after

GRADE POINT AVERAGE

To calculate the G.P.A., convert the letter grades to quality points (A-4, B-3, C-2, D-1, F-0). Divide total quality points by total semester courses attempted.

$$\text{G.P.A.} = \frac{\text{Total Quality Points}}{\text{Total Semesters Attempted}}$$

Total Semesters Attempted

For example:

For a student's 1st semester G.P.A.:

<u>Subject:</u>	<u>Grade:</u>	<u>Quality Points:</u>	<u>Attempted:</u>	
English	A	4	1	
Math	B	3	1	
Biology	C	2	1	
Social Studies	D	1	1	
P.E.	A	4	1	
Band	A	4	1	
Art	A	4	1	
		Totals	22	7

$$\text{G.P.A.} = \frac{22}{7} = 3.142$$

NOTE: The cumulative G.P.A. is calculated in the same manner. All AP courses are on a 5-point scale (A=5 quality points; B=4; C=3).

FAILURE TO GRADUATE

Seniors who are projected to graduate in a school year and fail to do so will have the summer to complete their graduation requirements. After this time, students will be eligible to graduate the following year.



DIVISION I ACADEMIC REQUIREMENTS

College-bound student-athletes will need to meet the following academic requirements to practice, receive athletic scholarships, and/or compete during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:



Full Qualifier

- Complete 16 core courses.
 - Ten of the 16 core courses must be completed before the seventh semester (senior year) of high school.
 - Seven of the 10 core courses must be in English, math or science.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Academic Redshirt

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see back page).
- Graduate high school.

Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division I school.

Academic Redshirt:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier:

College-bound student-athletes cannot practice, receive athletics scholarships or compete during their first year of enrollment at an NCAA Division I school.

Test Scores

When a student registers for the SAT or ACT, he or she can use the NCAA Eligibility Center code of **9999** so his or her scores are sent directly to the NCAA Eligibility Center from the testing agency. Test scores on transcripts will **NOT** be used in his or her academic certification.

A combined SAT score is calculated by adding reading and math subscores. An ACT sum score is calculated by adding English, math, reading and science subscores. A student may take the SAT or ACT an unlimited number of times before he or she enrolls full time in college. If a student takes either test more than once, the best subscore from different tests are used to meet initial-eligibility requirements.

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the former and redesigned SAT when determining his or her initial-eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the former SAT, the Eligibility Center will apply the College Board's concordance tables when performing academic certifications for students with redesigned SAT scores.

*To compare SAT scores, click [here](#) for a comparison table, or click [here](#) to visit the College Board's website.

DIVISION I FULL QUALIFIER SLIDING SCALE			DIVISION I FULL QUALIFIER SLIDING SCALE			ACADEMIC REDSHIRT
CORE GPA	SAT [®] REDESIGNED	ACT SUM	CORE GPA	SAT [®] REDESIGNED	ACT SUM	
3.550	400	37	2.750	720	58	
3.525	410	38	2.725	730	59	
3.500	420	39	2.700	740	61	
3.475	430	40	2.675	750	61	
3.450	440	41	2.650	760	62	
3.425	450	41	2.625	770	63	
3.400	460	42	2.600	780	64	
3.375	470	42	2.575	790	65	
3.350	480	43	2.550	800	65	
3.325	490	44	2.525	810	67	
3.300	500	44	2.500	820	68	
3.275	510	45	2.475	830	69	
3.250	520	45	2.450	840	70	
3.225	530	46	2.425	850	70	
3.200	540	47	2.400	860	71	
3.175	550	47	2.375	870	72	
3.150	560	48	2.350	880	73	
3.125	570	49	2.325	890	74	
3.100	580	49	2.300	900	75	
3.075	590	50	2.275	910	76	
3.050	600	50	2.275	910	76	
3.025	610	51	2.250	920	77	
3.000	620	52	2.225	930	78	
2.975	630	52	2.200	940	79	
2.950	640	53	2.175	950	80	
2.925	650	53	2.150	960	81	
2.900	660	54	2.125	970	82	
2.875	670	55	2.100	980	83	
2.850	680	56	2.075	990	84	
2.825	690	56	2.050	1000	85	
2.800	700	57	2.025	1010	86	
2.775	710	58	2.000	1020	86	



2018 DIVISION II NEW ACADEMIC REQUIREMENTS

College-bound student-athletes first enrolling at an NCAA Division II school on or after August 1, 2018, need to meet new academic rules to practice, compete and receive athletics scholarships during their first year.

Core-Course Requirement

Complete 16 core courses in the following areas:



Full Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.200.
- Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale (see back page).
- Graduate high school.

Partial Qualifier

- Complete 16 core courses.
- Earn a core-course GPA of at least 2.000.
- Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale (see back page).
- Graduate high school.

Full Qualifier:

College-bound student-athletes may practice, compete and receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Partial Qualifier:

College-bound student-athletes may receive athletics scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment.

Nonqualifier:

College-bound student-athletes may not practice, compete or receive athletics scholarships during their first year of enrollment at an NCAA Division II school.

Test Scores

If a student took the SAT before March 2016 and then took the redesigned SAT at a later date, the NCAA Eligibility Center will not combine section scores from the former and redesigned SAT when determining his or her initial eligibility. The NCAA Eligibility Center will only combine section scores from the same version of the test. Because the redesigned SAT varies in design and measures different academic concepts than the former SAT, the Eligibility Center will apply the College Board's concordance tables when performing academic certifications for students with redesigned SAT scores.

*To compare SAT scores, click [here](#) for a comparison table, or click [here](#) to visit the College Board's website.

DIVISION II FULL QUALIFIER SLIDING SCALE		
USE FOR DIVISION II BEGINNING AUGUST 2018		
COLE GPA	SAT [®] EVIDENCE	ACT SUM
3.300 & above	400	37
3.275	410	38
3.250	420	39
3.225	430	40
3.200	440	41
3.175	450	41
3.150	460	42
3.125	470	42
3.100	480	43
3.075	490	44
3.050	500	44
3.025	510	45
3.000	520	46
2.975	530	46
2.950	540	47
2.925	550	47
2.900	560	48
2.875	570	49
2.850	580	49
2.825	590	50
2.800	600	50
2.775	610	51
2.750	620	52
2.725	630	52
2.700	640	53
2.675	650	53
2.650	660	54
2.625	670	55
2.600	680	56
2.575	690	56
2.550	700	57
2.525	710	58
2.500	720	59
2.475	730	60
2.450	740	61
2.425	750	61
2.400	760	62
2.375	770	63
2.350	780	64
2.325	790	65
2.300	800	66
2.275	810	67
2.250	820	68
2.225	830	69
2.200	840 & above	70 & above

DIVISION II PARTIAL QUALIFIER SLIDING SCALE		
USE FOR DIVISION II BEGINNING AUGUST 2018		
COLE GPA	SAT [®] EVIDENCE	ACT SUM
3.050 & above	400	37
3.025	410	38
3.000	420	39
2.975	430	40
2.950	440	41
2.925	450	41
2.900	460	42
2.875	470	42
2.850	480	43
2.825	490	44
2.800	500	44
2.775	510	45
2.750	520	46
2.725	530	46
2.700	540	47
2.675	550	47
2.650	560	48
2.625	570	49
2.600	580	49
2.575	590	50
2.550	600	50
2.525	610	51
2.500	620	52
2.475	630	52
2.450	640	53
2.425	650	53
2.400	660	54
2.375	670	55
2.350	680	56
2.325	690	56
2.300	700	57
2.275	710	58
2.250	720	59
2.225	730	60
2.200	740	61
2.175	750	61
2.150	760	62
2.125	770	63
2.100	780	64
2.075	790	65
2.050	800	66
2.025	810	67
2.000	820 & above	68 & above

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SPECIAL SERVICES

The Individuals with Disabilities Education Act of 1990 (formerly Public Law 94-142) and Arkansas Act 102, the Handicapped Children's Act of 1973, were enacted to assure that all children with disabilities have access to a free and appropriate public education.

Special Services students are enrolled in regular core course by inclusion. If you suspect that your child may have special education needs, contact your child's principal or the Director of Special Services at 479-890-5733.

EQUITY COMPLIANCE

The Russellville School District is in compliance with the following civil rights laws:

Title VI, Civil Rights Act of 1964

Title IX, Education Amendments of 1972

Section 504, Rehabilitation of 1973

Which states that, "No person in the United States shall, on the grounds of race, color, national origin, sex or handicap be excluded from participation in, be denied the benefits of, or be subject to discrimination under any program or activities receiving Federal financial assistance."

ARKANSAS SCHOLARS

An Arkansas Scholar is a student in grades 9-12 who is committed to achieving and maintaining the following criteria:

- At least 95% attendance;
- Completion of a core of academic courses including 4 English, 4 math including an advanced math, 3 science including physics or chemistry, and 3 social studies;
- Earn no grade lower than a "C";
- Completion of high school in eight consecutive semesters.

Scholars are recognized by the Russellville Chamber of Commerce and local employers through a system of awards and incentives, culminating with a banquet for 12th graders who have maintained Scholar status and with placement of a special seal on the Scholar's transcript. Employers who recognize the seal have agreed to give priority in hiring to Arkansas Scholars.

COURSE SELECTION REQUIREMENTS

- Students must enroll in a minimum of six (6) academic solids. An academic solid is a course in which you receive credit.
- Students may not enroll in courses in which credit has already been received, without special permission.
- Students may not enroll in more than one (1) non-academic during any semester.

HOW TO GRADUATE WITH HONORS

In addition to meeting all regular graduation requirements previously outlined, a student working for honors recognition must:

- Earn 9 academic credits from honors courses.
- Maintain a cumulative grade point (grades 9-12 inclusive) of a 3.5 or better.
Recognition will be designated as follows:
 - With Highest Honors: grade point of 4.0 and above and five of the nine required honors courses must be from Advanced Placement from four different areas.
 - With High Honors: grade point of 3.75 or higher through 3.99 and four of the nine required honors courses must be from Advanced Placement from four different areas.
 - With Honors: grade point of 3.5 through 3.74 or higher and three of the nine required honors courses must be from Advanced Placement from three different areas.
- Honors graduates will be determined three weeks prior to graduation. The complete high school record (grades 9-12) will be used in making calculations.

DETERMINATION OF #1 RANKING AND GRADUATION SPEAKERS

- All students who are eligible to graduate with highest honors will receive special recognition at graduation.
- The top four (4) highest honors students based on the GPA system will be the speakers at graduation. The highest honors student with the highest GPA will receive the #1 ranking.

Russellville High School
Course Descriptions
for
2018-19

One unit of English is required at each grade level. The English curriculum features two levels within each grade with instructional materials and objectives in the respective levels directed toward the different interests and abilities of the students. The courses are designated as English II (10th grade), English III (11th grade), and English IV (12th grade). English II, III, and IV are based on the Arkansas standards for 10th, 11th, and 12th grade English Language Arts as set forth in the Common Core Curriculum Frameworks for Arkansas Public Schools. The department also offers Composition I and II which may earn the student concurrent college credit with Arkansas Tech University. This course is only offered at the 12th grade level.

ENGLISH – Offered to grades 10, 11, and 12.

Course Content: The English classes are designed to promote higher level skills in speaking, listening, reading, and writing. Emphasis is on writing skills through exposition, analysis, persuasion, and narration. Students also read a variety of literature, featuring a mixture of traditional and current selections. Sophomore English classes study literature by genre while junior English classes focus on American literature, and senior English focuses on British literature.

***PRE-ADVANCED PLACEMENT ENGLISH II**

Prerequisite: Pre-AP English I

(Designated as an Honors Course)

Course Content: The Pre-AP English II course builds on the skills students have already acquired in Pre-AP English I (grade 9) and required then to perform increasingly more sophisticated tasks in their reading, writing, and thinking. Emphasis is placed on Textual Analysis and Rhetoric Critical Thinking of both non-fiction & fiction prose and poetry, with a focus on how a writer's linguistic choices achieve stylistic effects and meaning. Students write one-to-two page timed analytical essays modeled after the AP Language and Composition and the AP Literature and Composition exams. Reading strategies include literal/interpretative questioning, reflecting, predicting; annotating texts for close-reading analysis; rhetorical analysis of passages; argumentation/persuasion responses to passages; identifying universal meaning in works. In addition to examining a work's literary/rhetorical aspects, Pre-AP students consider the social and historical values a work reflects. As the year progresses, they will become familiar with the content of the AP Language and Composition and the AP Literature and Composition exams.

***ADVANCED PLACEMENT ENGLISH III**

AP English Language and Composition
(Designated as an Honors Course)

Course Content: The AP English Language and Composition course is designed to give students multiple opportunities to work with rhetorical strategies, examining the author's purposes as well as the audiences and the subjects in texts. All authors chosen for the course come from a list that is predominately nonfiction. According to College Board, the stated purpose of the course is to "emphasize the expository, analytical, and argumentative writing that forms the basis of academic and professional communication." To achieve this goal, students will be required to engage in extensive reading, reflective discussion, and advanced analytical composition.

ADVANCED PLACEMENT ENGLISH IV

AP English Literature and Composition
(Designated as an Honors Course)

Course Content: Students in this introductory college-level course read and carefully analyze a broad and challenging range of texts, with an emphasis on British and World literature. This course includes a critical and analytical study of major authors, periods, genres, and themes in fiction, drama, and poetry. The study will include advanced composition using essays and research as applied to the various selected readings. The student in this class will learn to understand a work's complexity, to absorb richness of meaning, and to analyze how meaning is embodied in literary form.

***ATU Concurrent Credit COMPOSITION I--**Offered to 12th grade

(Application Required) Course Content: Students may earn concurrent credit from ATU if they have ACT scores of 19 in Reading and 19 in English. There is no fee involved; however, they **must enroll with ATU** as a CONCURRENT STUDENT through the Tech website. Composition I is a one semester course which reviews grammar, introduces research methods, and practices writing exposition using reading to provide ideas and patterns. English 1013 is designed to help students sharpen their writing skills. Its goal is to prepare students to write interestingly and informatively on any subject they may be assigned during their years in college.

***ATU Concurrent Credit Composition II--**Offered to 12th grade

Prerequisite: (Application Required) Composition I--**students must have taken Comp I to be enrolled in Comp II or to receive honors credit!**

Course Content: Students may earn concurrent credit from ATU if they have ACT scores of 19 in Reading and 19 in English. There is no fee involved; however, they **must enroll with ATU** as a CONCURRENT STUDENT through the Tech website. Composition II is a one semester course and is a continuation of ENGL 1013 with readings in poetry, fiction, and drama. English 1023 has a dual purpose: to help you sharpen your composition skills and to introduce you to those three literary genres. Here you will learn basic literary terminology,

analyze imaginative works, develop the ability to read closely with understanding and write with precision. The course will broaden your comprehension of literature and deepen your appreciation of it.

CREATIVE WRITING I – Offered to grades 10, 11, and 12.

Prerequisite: Pre AP English or English I (9th grade)

STRONGLY RECOMMENDED: Minimum grade of “B” in Pre-AP English or “A” in English.

Course Content: Creative Writing is a year long English elective course designed to engage students in the writing of poetry, short fiction, and personal narratives with an emphasis on developing and exercising imagination. Students will analyze and discuss exemplary texts to develop creative writing skills. Students will critique and refine writing through guided discussions, collaborative revisions, and individual reflections. Students will produce a portfolio of creative work that reflects student growth and understanding of the techniques of published authors. Students will share writing in a variety of ways and research methods for publishing original work.

CRITICAL READING – Offered to grades 10, 11.

Course Content: Critical Reading is a two-semester course designed to dramatically accelerate reading growth by strengthening comprehension outcomes in high school grades. In a context of meaningful content, on-going assessment, and focused explicit instruction, students will evaluate literary and informational texts and multicultural literature of diverse formats (e.g., print media, Web-based texts, literary and informational books and articles) and genres. In addition, students will engage in learning events tied to a variety of literary and informational texts with increasing complexity. Additionally, students will demonstrate competencies through purposeful applications based on individual and collective literacy goals.

ORAL COMMUNICATION – Offered to grades 10, 11, and 12. (Semester Course)

Course Content: The general purpose of this one-semester course is to survey the dimensions of oral communications. Proposed units include informal and public speaking situations, listening, and critical thinking, group discussion, interpersonal and intrapersonal communication skills. Required for graduation.

VISUAL ARTS APPRECIATION – Offered to grades 10, 11, and 12. (Semester course) Visual Arts Appreciation is a chronological study of the importance of art historically to the culture that produces it. It explores the arts using common themes across different time periods and recognizes the arts as a creative expression that transcends direct verbal communication in different cultures. Although students will occasionally participate in an art activity to emphasize a certain concept, the main focus of the class is the historical study of

art through discussion and study.

JOURNALISM

If students are interested in writing, photography, design, and publishing, these courses are for them. These courses also are helpful in career paths of law, political science, publishing, broadcasting, graphic design and others. After Fundamentals of Journalism, students should apply to be on newspaper or yearbook staffs to complete the Intermediate, Advanced, and Elective classes. Advanced and Elective are honors courses. Students may also add Lab to their schedule to be able to explore careers and career paths independently.

FUNDAMENTALS OF JOURNALISM: Offered to grades 10, 11, and 12

Fundamentals of Journalism is the basic core course for the journalism program. It focuses on the knowledge and skills of Journalism. Students will learn skills in law, ethics, writing, design, photography, marketing, and technology. Students explore journalism career options, as well. Course is design for ninth and tenth grade students who want to be journalism completers, but students in all four grades of high school may enroll.

JOURNALISM II (NEWSPAPER) -Offered to grades 10, 11 and 12

Prerequisite: Fundamentals of Journalism (**application required**)

Course Content: Intermediate Journalism is an advanced core course for a career major with an emphasis in Journalism. It builds on the knowledge and skills taught in Fundamentals of Journalism. When students complete this program of study they will have marketable skills in journalism and publication of local media releases including videos, newspapers, magazines and annuals. Taking Digital Communications I/II or a knowledge of InDesign and Photoshop are very helpful.

JOURNALISM II (YEARBOOK)-Offered to grades 10, 11 and 12

Prerequisite: Fundamentals of Journalism (**application required**)

Course Content: Intermediate Journalism is an advanced core course for a career major with an emphasis in Journalism. It builds on the knowledge and skills taught in Fundamentals of Journalism. When students complete this program of study they will have marketable skills in journalism and publication of local media releases including videos, newspapers, magazines and annuals. Taking Digital Communications I/II or knowledge of InDesign and Photoshop are very helpful.

***JOURNALISM III (NEWSPAPER)**-Offered to grade 11 and 12

Prerequisite: Intermediate Journalism (**Application Required**) (Designated as

an Honors Course.)

Course Content: This independent production based program is designed to provide the advanced Journalism student with practical knowledge and highly advanced skills for a comprehensive career in journalism. Students will be expected to use their previously learned skills to take on leadership roles with the publication. Again, Digital Communications I/II or knowledge of InDesign and Photoshop are very helpful.

***JOURNALISM III (YEARBOOK)**-Offered to grades 11 and 12

Prerequisite: Intermediate Journalism (**Application Required**)

(Designated as an Honors Course.)

Course Content: This independent production based program is designed to provide the advanced Journalism student with practical knowledge and highly advanced skills for a comprehensive career in journalism. Students will be expected to use their previously learned skills to take on leadership roles with the publication. Again, Digital Communications I/II or knowledge of InDesign and Photoshop are very helpful.

***JOURNALISM IV (Newspaper)**- Offered to grade 12

(Designated as an Honors Course.) (**Application Required**) ; must have been on staff two years prior to this course)

Course Content: This course is a related elective for photography, journalism, advertising and graphic design, and graphic communication programs of study. This course is an independent production-based program, designed to provide the advanced Journalism student with practical knowledge and highly advanced skills for a comprehensive career in Journalism. Student leaders (editors) will plan and implement publications independently with the teacher as a facilitator. Students in this course are in leadership positions of editor, business manager, or head photographer. Students may choose to create a separate journalism product based on their interests.

***JOURNALISM IV (Yearbook)**- Offered to grade 12

(Designated as an Honors Course.) (**Application Required**) ; must have been on staff two years prior to this course)

Course Content: This course is a related elective for photography, journalism, advertising and graphic design, and graphic communication programs of study. This course is an independent production-based program, designed to provide the advanced Journalism student with practical knowledge and highly advanced skills for a comprehensive career in Journalism. Student leaders (editors) will plan and implement publications independently with the teacher as a facilitator. Students in this course are in leadership positions of editor, business manager, or head photographer. Students may choose to create a separate journalism product based on their interests.

FRENCH I – (Online Course through Virtual Arkansas)

Offered to grades 10 and 11. 12th graders need teacher’s permission.

Prerequisite: Minimum grade of “C” in English is recommended.

Course Content: Students will begin to develop the skills needed to communicate effectively in the French language and develop an in-depth awareness of the various French-speaking cultures. Upon successful completion of this course, students will understand elementary spoken French; use vocabulary for practical, everyday use; speak with comprehensible pronunciation; read and write simple French paragraphs; discuss and demonstrate appreciation for Francophone cultures.

FRENCH II (Online Course through Virtual Arkansas)

Offered to grades 10, 11, and 12

Prerequisite: Minimum grade of “B” in French I and teacher recommendation

Course Description: Students will build on skills developed in French I and continue to work on communicating effectively in the French language and increasing awareness of French-speaking cultures. Upon successful completion of this course, students will be able to understand spoken French at the novice level; use vocabulary for practical, everyday use; speak with comprehensible pronunciation; read and write simple French paragraphs; discuss and demonstrate and appreciation for Francophone cultures.

SPANISH I – Offered to grades 9, 10, 11 and 12.

Prerequisite: Minimum grade of “C” in English is recommended.

Course Content: Students are introduced to the four basic areas of language learning: listening, speaking, reading, and writing. Students learn to talk about practical topics such as weather, telling time, food, and daily activities. They begin to study Spanish grammar by comparing and contrasting the new language with their native language. They also study the history, geography, and culture of Spanish-speaking countries. A tolerance of cultural differences is promoted. Spanish I is open only to students with no prior experience in the Spanish language.

SPANISH II – Regular – Offered to grades 10, 11, and 12.

Prerequisite: Spanish I.

Course Content: Spanish II is a continuation of Spanish I. The four areas of

language learning will continue to be emphasized through a structured environment. Spanish II is open to students whose only exposure to Spanish has been in class.

***SPANISH II – HONORS** – Offered to grades 10, 11, and 12

Prerequisite: Minimum grade of “B” in Spanish I is highly recommended.

(Designated as an Honors Course)

Course Content: Spanish II – Honors prepares the student for Levels III and IV. Students should exhibit a high interest in second-language acquisition. The same material will be covered as in the regular section, with additional emphasis on grammar, oral proficiency, communicative activities, and cultural appreciation.

***PRE-ADVANCED PLACEMENT SPANISH III** – Offered to grades 10, 11, and 12.

Prerequisite: Spanish II, minimum grade of “B” is highly recommended.

(Designated as an Honors Course)

Course Content: Emphasis is on literature, advanced grammar, civilization, and increased oral and written proficiency. Level III prepares the student for level IV, Advanced Placement.

***ADVANCED PLACEMENT SPANISH IV** – Offered to grades 11 and 12.

Prerequisite: minimum grade of “B” both semesters of Spanish III, or teacher recommendation.

(Designated as an Honors Course)

Course Content: Emphasis in Spanish IV is placed on the interpretation of oral and written texts, interpersonal and presentational writing and interpersonal and presentational speaking in preparation for taking the AP Exam. Classwork revolves around the six themes of the AP Spanish Language and Culture Examination.

Four units of mathematics are required for graduation. The sequence of math classes for the Smart Core curriculum path includes Algebra I, Geometry, Algebra II and another math course beyond Algebra II. The sequence of math classes for the Core curriculum path includes Algebra I, Geometry, Bridge to Algebra II and Algebra II. The Core curriculum path requires a Smart Core waiver form signed by a parent.

ALGEBRA I – Offered to grades 10, 11, and 12.

*only offered under special circumstances

Course Content: The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has generally been offered. The critical areas, called units, deepen and extend understanding of linear and exponential relationships by contrasting them with each other and by applying linear models to data that exhibit a linear trend, and students engage in methods for analyzing, solving, and using quadratic functions. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

GEOMETRY – Offered to grades 10, 11, and 12.

Prerequisite: Students must have successfully completed coursework for Algebra I.

Course Content: The fundamental purpose of the course in 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. Important differences exist between this Geometry course and the historical approach taken in Geometry classes. For example, transformations are emphasized early in this course. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school/Arkansas State Standards. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

BRIDGE TO ALGEBRA II Offered to grades 10, 11, and 12.

Prerequisite: Students must have successfully completed coursework for Algebra I or Algebra A & B but not Algebra II.

Course Content: Bridge to Algebra II was developed with the intent to provide students who have completed Algebra I, with the additional math foundation they need to be successful in Arkansas State Standards for Mathematics Algebra II course.

Each student learning expectation for Bridge to Algebra II is intended to:

- reinforce linear concepts that were previously included in the Algebra I Course;
- master quadratics and exponential concepts not included within the Arkansas Department of Education Algebra I Curriculum Framework through modeling functions and summarizing, representing, and interpreting data; or
- introduce higher order concepts to prepare students for success in CCSS-M Algebra II.

Teachers are responsible for including the eight Standards for Mathematical Practice found in the Arkansas State Standards. Bridge to Algebra II does not require Arkansas Department of Education approval.

Students may enroll concurrently with Geometry but not concurrently with Algebra II.

ALGEBRA II Offered to grades 10, 11, and 12.

Prerequisite: Students must have successfully completed coursework for Algebra I and Geometry.

Course Content: Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

ALGEBRA III Offered to grades 11 and 12.

Prerequisites: Algebra I, Geometry, Algebra II

This course will enhance the higher level thinking skills developed in Algebra II through a more in-depth study of those concepts and exploration of some pre-calculus concepts. Students in Algebra III will be challenged to increase understanding of algebraic, graphical, and numerical methods to analyze, translate and solve polynomial, rational, exponential, and logarithmic functions. Modeling real world situations is an important part of this course. Sequences and series will be used to represent and analyze real world problems and mathematical situations. Algebra III will also include a study of matrices and conics. Arkansas teachers are responsible for integrating appropriate technology and including the eight Standards for Mathematical Practice found in the Arkansas State Standards.

***AP STATISTICS** – Offered to grades 11 and 12.

Prerequisites: Algebra II

STRONGLY RECOMMENDED: HONORS ALGEBRA II.

(Designated as an Honors Course)

Course Content: Introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

- Exploring data: Describing patterns and departures from patterns
- Sampling and experimentation: Planning and conducting a study
- Anticipating patterns: Exploring random phenomena using probability and simulation
- Statistical inference: Estimating population parameters and testing hypotheses

***ATU CONCURRENT CREDIT PRE-AP CALCULUS and PRE-AP CALCULUS**– Offered to grades 11 and 12. **(Application Required)**

Prerequisite: Algebra II and Geometry (Designated as an Honors Course)

Course Content: 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. Teachers are responsible for including the eight Standards for Mathematical Practice found in the Arkansas State Standards. The student is strongly recommended to have a graphing calculator to use while enrolled in this course. Students taking this course will be given the opportunity to receive college credit through Arkansas Tech University. Students must score a 19 or higher on the math portion of the ACT and 19 or higher on the reading section of the ACT prior to taking the course. If they have not taken the ACT, they must pass ATU's proficiency test

offered only at ATU. Students may also qualify with an acceptable ACT Aspire score. Students will receive College Algebra credit for the first semester of Pre-Calculus, provided they pass the course with a "C." Credit for Trigonometry will be offered second semester. Students must have been registered in and completed the College Algebra section with ATU in order for second semester Trigonometry credit to be granted. Some Pre-calculus students may choose not to be in the concurrent credit program. However, they may still enroll in Pre-calculus.

***AP CALCULUS AB** – Offered to grade 12.

Prerequisite: Pre-AP Calculus

(Designated as an Honors Course)

Course Content: Calculus AB is primarily concerned with developing the students' understanding of the concepts of calculus and providing experience with its methods and applications. Students will learn the equivalent of Calculus 1 and a portion of Calculus 2 as offered in most colleges and universities. In May of each year, the Advanced Placement Calculus Examinations are given. With an acceptable grade on this exam and completion of this course, over 90% of colleges and universities offer credit (4-5 hours credit) for Calculus 1 and/or advanced placement in Calculus in accordance with the school's own standards. A personal graphing calculator is necessary for this course, but one can be provided by the teacher for use.

***AP Calculus BC** - Offered to grade 12.

Prerequisite: Pre-AP Calculus

(Designated as an Honors Course)

Course Content: Calculus BC is an extension of Calculus AB rather than an enhancement; common topics require a similar depth of understanding. Students will learn the equivalent of Calculus 1, Calculus 2, and a portion of Calculus 3 as offered in most colleges and universities. In May of each year, the Advanced Placement Calculus Examinations are given. With an acceptable grade on this exam and completion of this course, over 90% of colleges and universities offer credit for Calculus 1 and Calculus 2 (8 - 10 hours credit) and/or advanced placement in Calculus in accordance with the school's own standards. A personal graphing calculator is necessary for this course, but one can be provided by the teacher for use.

PHYSICAL SCIENCE - INTEGRATED – Offered to grades 10, 11 and 12.

Physical Science is offered to any high school student who has not previously earned credit in this required course. Subject matter includes the study of matter, motion, forces, and energy.

BIOLOGY - INTEGRATED– Offered to grades 10, 11, and 12.

Course Content: General Biology is a graduation requirement for all Arkansas high school students. The course introduces students to the Earth's living systems. The first semester lays the foundation with units in the nature of science, ecology, biochemistry, cell structure, and cell function. The spring semester topics are Mendelian genetics, modern genetics, evolution, and microbiology.

***PRE-ADVANCED PLACEMENT BIOLOGY** – Offered to grade 10, 11, and 12.

Prerequisite: Physical Science
(Designated as an Honors Courses)

Course Content: This course fulfills the graduation requirement for high school Biology. The course follows the same curriculum sequence as general Biology. The difference for this class is in the depth of the content and the amount of required homework. The purposes for offering Pre-AP are to (1) thoroughly prepare the student for AP Biology and (2) to introduce the student to the study skills necessary for college coursework. Pre-AP Biology students will complete approximately ten major student-designed, investigative labs and present one of them at the annual Russellville Science Symposium as part of their coursework responsibilities.

***ATU CONCURRENT CREDIT PRE-ADVANCED PLACEMENT BIOLOGY –**

Offered to grade 10, 11, and 12. **(Application Required)**

Prerequisite: Physical Science, 19 on the ACT in both Reading and Science (Designated as an Honors Courses)

Course Content: This course fulfills the graduation requirement for high school Biology. The course follows the same curriculum sequence as general Biology. The difference for this class is in the depth of the content and the amount of required homework. The purposes for offering Pre-AP are to (1) thoroughly prepare the student for AP Biology and (2) to introduce the student to the study skills necessary for college coursework. Pre-AP Biology students will complete approximately ten major student-designed, investigative labs and present one of them at the annual Russellville Science Symposium as part of their coursework responsibilities. Students who successfully complete the entire course will receive four hours of college credit for Intro to Biology. Students must be enrolled with ATU as concurrent students in order to be granted college credit.

ENVIRONMENTAL SCIENCE –Offered to grades 11 and 12

Prerequisite: Biology

Course Content: Environmental Science students spend many days in the classroom working to improve their literacy skills. Students will learn to read, analyze, and write about complex articles on science topics. Other days will be spent working in the Wetland Classroom, the school gardens, and the ReCyclone program. Those who enroll in this course should expect to go outside and work in the natural world. You will get your hands and your shoes dirty!

***ADVANCED PLACEMENT ENVIRONMENTAL SCIENCE** – Offered to grades 11 and 12. (Designated as an Honors Course)

Course Content: APES pulls together all of the courses in the science department (and many from other discipline areas) in a holistic, real-world study of environmental issues. Every action we humans take on this Earth can have good or bad effects on other humans, our non-human neighbors, and the abiotic world. APES students will learn to cut through the political/media talk and

understand the science of topics like global warming, GMO's, air and water pollution, human health risks, gas prices, acid rain, and ozone depletion. Students work hard in this class, but most say that the knowledge is worth the effort.

***ZOOLOGY/*BOTANY** – Offered to grades 11 and 12.

Prerequisite: Biology

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as Honors Courses)

Course Content: Zoology (Fall) and Botany (Spring) are semester courses which are oriented to the student who has a definite interest in biology. The course covers in detail certain areas of zoology and botany. The semester courses are designed for the college bound student who will be majoring in biology or a related field of science.

***ADVANCED PLACEMENT BIOLOGY** - Offered to grades 11 and 12

Prerequisite: Pre-AP Biology

STRONGLY RECOMMENDED: grade of B or better in prerequisite class(es).

(Designated as an Honors Course)

Course Content: AP Biology is a rigorous and demanding course, which is the equivalent of an introductory college biology major's course. Content will be covered in more depth and greater expectations will be placed on interpretation and analysis of information than previous biology courses. In addition, statistical analysis of data and modeling of concepts will be expected. A significant amount of studying must be completed at home to allow time for discussion, labs, and inquiry during class time.

***MARINE BIOLOGY AND OCEANOGRAPHY**-Offered to grade 11 and 12.

Prerequisite: Both Physical Science (or Physics and Chemistry) and Biology. At least one of these courses must be pre-AP level.

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as Honors Course)

Course Description: This course is a general introduction to the unique physical and chemical processes of the marine ecosystem as well as the organisms that live in the oceans. The course is designed as a laboratory, research, and multimedia based course. Labs and mathematical models will be used to study the physical processes of the ocean. Current marine research and video footage of marine animals will be examined.

GENERAL CHEMISTRY - INTEGRATED - Offered to grades 11 and 12

Prerequisites: Algebra I and Biology

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

This is an introductory chemistry class, for students who do not plan on pursuing the sciences in college. The course will cover fundamental concepts of general inorganic chemistry including formula naming, atomic structure, stoichiometry, gas laws, solutions, equilibria, redox, acid-base theory and nuclear chemistry. Laboratory investigations are designed to supplement the lecture and develop technical skills. STRONG MATH SKILLS ARE REQUIRED.

***PRE-ADVANCED PLACEMENT CHEMISTRY - INTEGRATED** - Offered to grades 11 and 12 and select sophomores

Prerequisites: Algebra I and Pre-AP Biology

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as an Honors Course)

This is a class designed for students who plan on pursuing a science, health or engineering major in college. This course is almost taught at a college level and tends to be very demanding, because students will be expected to work at a faster pace and spend significant time studying outside of class. Upon successful completion of this course, students should be prepared for the first semester of college chemistry or AP Chemistry. The course will cover fundamental concepts of general inorganic chemistry including formula naming, atomic structure, stoichiometry, gas laws, solutions, equilibria, redox, acid-base theory and nuclear chemistry. Laboratory investigations are designed to supplement the classroom topics and develop technical skills. STRONG MATH SKILLS ARE REQUIRED.

***ADVANCED PLACEMENT CHEMISTRY - Offered to grades 11 and 12**

Prerequisites: Pre-AP Calculus and Pre-AP Chemistry

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as an Honors Course)

AP Chemistry is equivalent to a college level general chemistry course that provides rigorous study in the six big ideas: structure of matter, physical and chemical properties of matter, chemical reactions, rates of chemical reactions, thermodynamics and chemical equilibrium. Students must be highly motivated to tackle this rigorous course. At the end of the year, students are expected to take the Advanced Placement Examination for college credit. Students taking this course may be required to complete laboratory work outside of the regular class time. The student will demonstrate a basic understanding of, and the ability to apply, mathematical solutions to problems involving measurement, the mole concept, composition and reaction stoichiometry, types of reactions, thermochemistry, atomic theories, chemical periodicity, bonding, molecular geometry, and properties and theories of the gaseous, liquid and solid states, properties of solutions, chemical kinetics, equilibrium, acid-base theory and equilibria, solubility equilibria, electrochemistry, and thermodynamics. Evaluation is based on online homework, lab reports, quizzes and tests. Much of the class is

“out of class homework” and in class lecture and problem solving. Laboratory includes both qualitative and quantitative analysis. Graphing calculator skills are a necessity.

AP PHYSICS I: AP Physics 1 is a full year course that is equivalent to a one-semester algebra based physics course in college. This course fulfills the physical science requirement for majors such as business, education, English, etc... AP Physics 1 covers kinematics, dynamics, energy, momentum, circular motion, rotation, waves and oscillations, and basic DC circuits. It is an inquiry-based course so it requires students have strong organizational skills and a sense of curiosity. The course will focus primarily on lab activities. There is a minimal amount of lecture and note taking. A basic understanding of trigonometry is necessary and con-current enrollment in pre-calculus is recommended.

AP PHYSICS C MECHANICS: This course corresponds to an introductory calculus based physics course at a university. This is a required course for all STEM majors in college. Physics C Mechanics will provide instruction in six areas: kinematics; Newton’s laws of motion; work, energy, and motion; systems of particles and linear momentum; circular motion and rotation; and gravitation and oscillations. The course uses calculus. Only entry levels of calculus are required so it is appropriate to take this course while currently enrolled in Calculus AB or Calculus BC. The College Board recommends that this course be a second physics course but mathematically **strong** students with an excellent work ethic can be successful in this course as a first year course. This is a college course. You will be expected to read a college level textbook and come to class prepared with a basic knowledge of the topics being lectured over that day. There are 12 required labs for this course.

***GENETICS – Offered to grades 11 and 12. (Semester course)**

Prerequisite: Biology with a C or better

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as an Honors Course)

Course Content: This course involves an in-depth study of Mendelian, molecular genetics, and biotech applications. Students will study such topics as inheritance patterns, bioengineering, evolutionary genetics, biotechnology, ethical and moral issues. This course contains a significant focus on the field of genetic barcoding as a way of studying biodiversity and evolutionary relationships. Students need to have a strong background in biology and have good time management skills in order to successfully complete all course requirements.

***MICROBIOLOGY – Offered to grades 11 and 12 (Semester course)**

Prerequisite: Biology with a C or better

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as an Honors Course)

Course Content: Microbiology is the study of microorganisms diversity,

immunology, epidemiology, and biotech applications. A research component of the course focuses on the thermophilic organisms found in the thermal waters of Hot Springs National Park. To make your study of these topics possible, you will learn many important laboratory techniques throughout the year. Much of the knowledge and experience gained through the study of microbiology will be applicable to careers such as medical, forestry, education, and agriculture.

BIOMEDICAL

***PRINCIPLES OF BIOMEDICAL SCIENCE (PBS)**– Project Lead the Way - Offered to grades 9, 10, 11 and 12 (**Application Required**) (Designated as an Honors Course)

Course Content: Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lays the scientific foundation for subsequent courses. This course is offered to all students.

***HUMAN BODY SYSTEMS (HBS)**- Project Lead the Way - Offered to grades 10, 11 and 12 (**Application Required**) Prerequisite: Principles of the Biomedical Sciences with a grade of C or better. Must turn in application if not in PBS.

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es). (Designated as an Honors Course)

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries. This course is offered to students who have completed PBS or 12th graders that have Bs in their science classes and good attendance

***Medical Interventions (MI)** – Project Lead the Way – offered to 11th & 12th graders

Prerequisites: Principles of Biomedical Science & Human Body Systems (**Application Required**) **STRONGLY RECOMMENDED:** grade of C or better in prerequisite class(es). (Designated as an Honors Course)

Course Content: Students investigate a variety of interventions involved in the prevention, diagnosis and treatment of disease as they follow the life of a fictitious family. The course is a “How-To” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose and treat cancer; and prevail when the organs of the body begin to fail. Through

these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. This course is designed for 11th or 12th grade students that have had PBS & HBS.

***Biomedical Innovation (BI) - Capstone Course** - Project Lead the Way - Offered to grade 12 (**Application Required**)

Prerequisites: Principles of Biomedical Science, Human Body Systems and Medical Interventions

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es).

(Designated as an Honors Course)

Students design innovative solutions for the health challenges of the 21st century. They work through progressively challenging open-ended problems, addressing topics such as clinical medicine, physiology, biomedical engineering, and public health. They have the opportunity to work on an independent project with a mentor or advisor from a university, hospital, research institution, or the biomedical industry. Throughout the course, students are expected to present their work to an audience of STEM professionals. This course is designed for 12th grade students.

ENGINEERING

***PRINCIPLES OF ENGINEERING** –

Project Lead the Way - Offered to grades 10 – 12 (**Application Required**)

Prerequisite: Engineering Application, Introduction to Engineering Design and Algebra I STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es). Score of 3 or better on IED end of course exam.

(Designated as an Honors Course)

Designed for 10th or 11th grade students, this survey course exposes students to major concepts they'll encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions.

***DIGITAL ELECTRONICS** – Project Lead the Way - Offered to grades 10 – 12 (**Application Required**)

Prerequisite: Introduction to Engineering Design, Principles of Engineering, Algebra II

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es). Score of 3 or better on POE end of course exam.

(Designated as an Honors Course)

Digital electronics is the foundation of all modern electronic devices such as mobile phones, MP3 players, laptop computers, digital cameras and high-definition televisions. Students are introduced to the process of combinational and sequential logic design, engineering standards and technical documentation.

ENGINEERING DESIGN and DEVELOPMENT-Project Lead the Way-Offered to grade 12 (**Application Required**)

Prerequisite: *Digital Electronics

STRONGLY RECOMMENDED: grade of C or better in prerequisite class(es). A score of 3 or better on all PLTW End of Course exams.

Engineering Design and Development (EDD) is the capstone course in the PLTW high school engineering program. It is an engineering research course in which students work in teams to design and develop an original solution to a valid open-ended technical problem by applying the engineering design process as well as principles and concepts from earlier courses. The course applies and concurrently develops secondary level knowledge and skills in mathematics, science, and technology, and professional collaboration and communication. EDD is a capstone course that is appropriate for 12th grade students who have completed all the previous PLTW foundational and specialty courses (IED, POE, DE). 12th grade candidates in the DE specialty course may be allowed to take the capstone course simultaneously with advance teacher and counselor approval.

COMPUTER SCIENCE

ADVANCED PLACEMENT COMPUTER SCIENCE PRINCIPLES - Using Python as a primary tool and incorporating multiple platforms and languages for computation, this course aims to

develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. While this course can be a student's first in computer science, students without prior computing experience are encouraged to develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cyber security, and simulation. The course curriculum is a College Board approved implementation of AP CS Principles. *This course has been designated by RHS as an honors course and is year. This course is one in a series of four courses as designated by Project Lead the Way. Please note: You will also have to return a completed application to enroll.

ADVANCED PLACEMENT COMPUTER SCIENCE A - Computer Science A focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases. This course aligns with the AP CS A course. *This course has been designated by RHS as an honors course and is year. This course is one in a series of four courses as designated by Project Lead the Way. Please note: You will also have to return a completed application to enroll.

CYBERSECURITY - Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students' knowledge of and commitment to ethical computing behavior. It also aims to develop students' skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. Cybersecurity will be available fall 2018.

ARKANSAS HISTORY – Offered to grades 10, 11 and 12 (Semester Course)

Course Content: Arkansas history is a one semester course surveying from prehistoric days to the present. Specifically, the course includes a study of the geography, people, history, and government within the state as well as Arkansas' participation in events of American history.

CIVICS/US GOVERNMENT – Offered to grades 11 or 12 (Semester Course)

Course Content: Civics/US Government is a semester course that combines an introduction to the United States' government and legal systems with citizenship education. Specifically, students learn an introduction to politics and government in the United States at the federal, state, and local levels. The course also explores American citizenship with its many rights, duties, and responsibilities. The purpose of this course is to give students a clear understanding of the principles of our democratic government and to motivate students to develop into informed, responsible, and participatory citizens.

ECONOMICS - Offered to grades 11 or 12 (Semester Course)

Course Content: Economics is a one-semester course that emphasizes economic fundamentals, microeconomics, macroeconomics, and personal financial management. Students will explore the interrelationships among the roles played by consumers, producers, markets, capital, land, and labor as well as the interrelationships among economic, political, and social factors. Students will examine the relationship between individual choices and the direct influence of these choices on occupational goals and future earnings potential.

WORLD GEOGRAPHY– Offered to grades 10, 11 and 12 (Semester Course)

Course Content: The purpose of World Geography is to prepare students for their role as global citizens. World Geography provides an overview of human and cultural systems of the world, as well as surveying continents, oceans and

environmental systems. Students will examine the interactions, interconnections and interdependence between and among the environment and human realms. Students will also participate in the RHS school garden and ReCyclone program.

***ADVANCED PLACEMENT HUMAN GEOGRAPHY** – Offered to grades 10, 11 and 12

(Designated as an Honors Course)

Course Content: The purpose of the Advanced Placement 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 social sciences methods, spatial concepts and landscape analysis to analyze human social organization and its environmental consequences. They also learn methods and tools geographers use in their science practice. Specific content to be studied include population, language, religion, culture, boundary and political issues, urban development, economics, agriculture, disease, and other issues.

Students should learn to read assigned texts, take notes from lectures and printed material, write free response essays, construct and interpret maps and charts, and plan and complete projects. The use of geographic information systems will be included in this course.

UNITED STATES (AMERICAN) HISTORY – Offered to grades 10-12

Course Content: This course is offered to students who have not had a U.S. History credit. United States History is a survey of American History from 1890 to the present. Special emphasis is placed on the study of social, political, intellectual, and economic factors in the history of the U.S., and how these elements affect our lives today. A variety of instructional techniques will be utilized in this course, with an emphasis on the analysis of primary and secondary documents and project based learning.

***ATU CONCURRENT CREDIT AMERICAN HISTORY I & II**—(online course through Virtual Arkansas). Offered to 11th grade

Course Content: Concurrent US History is a college level course in which a student may earn both their required high school US History credit, while also earning college credit (up to six credit hours). Strong emphasis is placed on historical inquiry, writing, research, and scholarly discussion. This course will not rely heavily on the rote memorization of names of dates, but rather on the flow of events, their causes and effects. This survey course of American history will increase the student's understanding of the United States' political, social, economic, and intellectual past.

SOCIOLOGY – Offered to grades 10, 11 and 12 (Semester Course, ½ elective credit)

Course Content: This course offers a hands-on approach to the study of individual and group behaviors. Emphasis is placed on the evolution of human

societies from hunting and gathering to post-industrial. Students must be able to investigate and examine their own socialization and be able to question the powerful influence of social institutions on the individual, their identity, and the social construction of a collective reality. Along with studying different sociological theories, students will discuss current and changing social issues such as cultures and counter-cultures, social norms and deviant behavior, and how past cultural norms have created our modern social climate. Methods of instruction include lecture, research, and debate.

PSYCHOLOGY – Offered to grades 10, 11 and 12 (Semester Course, ½ elective credit)

Course Content: Psychology is the study of behavior and the mental processes that cause it. In essence, the realm of Psychology includes not only what we do but, how and why we think, and how what happens in our brains affects what we do and who we are. This course is designed to acquaint students with the basic concepts and theories of psychology. Topics in this course include: different psychological perspectives and approaches; the nature vs nurture debate; theories of learning, personality, memory, mood, motivation, and emotion; personality disorders, psychological disorders, and various treatment methods. Methods of instruction include lecture, research, and debate.

***ADVANCED PLACEMENT PSYCHOLOGY** – Offered to grades 10, 11 and 12 (Designed as an Honors Course) 1 Full Credit, Year long class.

Course Content: AP Psychology is equivalent to the Introduction to Psychology or General Psychology courses given in most colleges and universities. This course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Through textbooks, supplemental readings & resources and classroom activities, students are exposed to the psychological theories, principles, and phenomena associated with each of the major subfields within psychology. The content of this course is designed to prepare students to pass the AP Psychology Exam in May.

***ADVANCED PLACEMENT MACROECONOMICS** – Offered to grades 11 and 12

(Designated as an Honors Course) (Semester Course)

Course Content AP Macroeconomics is a semester course designed as a foundation for possible study in economics or business and to prepare for the AP Exam. This course emphasizes economic principles as applied to the economy as a whole and includes lessons on national income and its components, economic indicators, inflation and unemployment, money and banking, stabilization policies, and the United States and global trade. (This class must be taken in conjunction with AP Government and Politics)

WORLD HISTORY: FROM 1450 TO CONTEMPORARY ERA-offered to grades 10-12

World History 9-12 provides an in-depth study of the history of human society from Era 6: Emergence of First Global Age 1450-1770 to Era 9: Contemporary World since 1945. World History is designed to assist students in understanding the human condition, how people and countries of the world have become increasingly interconnected across time and space, and the ways different people view the same event or issue from a variety of perspectives. This course develops an understanding of the historical roots of current world issues, especially as they pertain to international/global relations. It requires an understanding of world cultures and civilizations, including an analysis of important ideas, social and cultural values, beliefs, and traditions. Knowledge of past achievements and failures of different peoples and nations provides citizens of the 21st century with a broader context within which to address the many issues facing our nation and the world. World History references the eras and time periods from The National Center for History in the Schools.

Throughout the course, students will develop and apply disciplinary literacy skills: reading, writing, speaking, and listening. As students seek answers to compelling and supporting questions, they will examine a variety of primary and secondary sources and communicate responses in multiple ways, including oral, visual, and written forms. Students must be able to select and evaluate sources of information, draw and build upon ideas, explore issues, examine data, and analyze events from the full range of human experience to develop critical thinking skills essential for productive citizens.

***ADVANCED PLACEMENT WORLD HISTORY** – Offered to grades 10, 11, and 12

(Designated as an Honors Course)

Course Content: This highly demanding, fast-paced course is designed to provide the student with analytic skills and factual knowledge necessary to evaluate issues and themes in world history. AP World History is the story of over 10,000 years of human interactions taught in a thematic approach. All human cultures and traditions (not just Western civilization) will be explored. The course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course emphasizes relevant factual knowledge deployed in conjunction with leading interpretive issues and types of historical evidence. Specific themes provide further organization to the course, along with the consistent attention to contacts among societies that form the core of world history as a field of study.

Historical source analysis and essay writing skills are heavily emphasized. Students will have the option of taking the advanced placement exam for college credit after taking this course.

***ADVANCED PLACEMENT UNITED STATES GOVERNMENT AND POLITICS-**
Offered to grades 11 or 12 (Designated as an Honors Course) (Semester

Course)

Course Content: AP US Government and Politics is a semester course, and is the equivalent of a college level survey course. This course is designed to provide students with the analytical skills needed to analyze current events through the lens of political science. It also teaches students to become familiar with the various institutions, groups, beliefs, and ideals that constitute US politics. Students will become acquainted with a variety of theoretical perspectives and explanations for various behaviors and outcomes as they study the following topics: constitutional underpinnings of United States government, political beliefs and behaviors, political parties, interest groups, and mass media, institutions of national government, public policy, civil rights and civil liberties, and state and local government.

This course is intended to provide the scope and academic challenge expected at the college level. It prepares students to take the AP United States Government and Politics exam. This course stresses critical thinking and applications, textbook readings, projects, and use of performance-based/open-ended assessments with rubrics. Students who successfully complete the AP United States Government and Politics course may receive academic credit for Civics in meeting state graduation requirements. (This class must be taken in conjunction with AP Macroeconomics)

WORLD RELIGIONS – Offered to grades 10, 11 and 12 (Semester Course)

Course Content: World Religions is a one-semester elective course that provides a survey of the world's major religions. Buddhism, Christianity, Hinduism, Islam, and Judaism will be the focus of the majority of class. However, Jainism, Taoism, Zoroastrianism, Confucianism and other religions may be introduced as well. Emphasis is placed on learning the major tenets and practices of each religion, as well as current impact each has on world issues, and the factors that led to the foundation and diffusion of the religion.

MILITARY HISTORY – Offered to grades 10, 11 and 12 (Semester Course)

Course Content: Military History is a semester course that examines WWI, WWII, the Korean War, Vietnam and the Gulf War. An emphasis will be put on leadership, tactics, weaponry, major battles, turning points, why the conflicts started and the outcome/impact of the wars. There will be quizzes and tests for each conflict with a cumulative test at the end of the course. Note taking, summarizing of notes and study of materials are essential to success in military history. There will be short writing assignments and discussions throughout the semester.

***TEACHER CADET I- MLED 2003: INTRODUCTION TO EDUCATION** - Offered to grades 11 and 12 (**Application Required**)

Prerequisites: Stage I course and will be taken before admittance to the Middle Level Teacher Education Program.

Introduction to philosophy of education and to the concept of education as a career. Emphasis will be placed on primary, middle, and secondary levels of education; however, students will have on-site visits, learn about, and work in pre-school and special education settings as well. The format includes direct classroom instruction, modeling, case studies, and applied teaching activities. Cadets will also gain over 40 hours of on-site practicum, or field experiences, in a public school setting. Cadets will teach under the supervision of a certified teacher during practicum. This course will also provide potential teachers with an overview of the social and historical aspects of the American Education System.

***TEACHER CADET II**

Teacher Cadet II course is designed to provide additional practicum experience for those students who have completed the Teacher Cadet course. Teacher Cadet II provides the opportunity to refine their teaching and decision-making skills. Teacher Cadet II students will work in the Teacher Cadet classroom assisting the instructor, planning lessons, teaching lessons, as well as gaining 75 + hours of additional field experience in a Russellville School District school. Teacher Cadet II candidates will have successfully completed Teacher Cadet and have the recommendation of the instructor.

JROTC –(Leadership, Education, and Training) The purpose of JROTC is to instill in students in secondary education institutions the values of citizenship, service to the United States, and personal responsibility and a sense of accomplishment.

This class **may possibly** fulfill a half credit for Physical Education or Health if taken for a full year.

To be a JROTC Completer the students would need 3 credits of JROTC.

Army JROTC I (LET I) - Credit: 1 Grade Levels:9-12

Army JROTC II (LET II) - Credit: 1 Grade Levels: 10-12

Army JROTC III (LET III) - Credit: 1 Grade Levels: 11-12

Army JROTC IV (LET IV) - Credit: 1 Grade Level: 12

FAMILY and CONSUMER SCIENCE (FACS) – (Year-long course) (Should be taken in 9th/10th grade)

Course Content: FACS is designed to provide students with basic information and skills needed to function effectively with the family and within a changing, complex society. Emphasis is given to the development of FCCLA, individual and family relationships, housing, wardrobe selection, care and instruction, child development and the health and safety of children, nutrition and food selection, meal planning, preparation and service, money management, use of credit and banking services, consumer education, and career skills. Upon completion of this course, the student should have developed basic life skills that promote a positive influence on the quality of life.

FOOD SAFETY/FOODS and NUTRITION – Students who took the FACS class have first priority in this course.

(Full Year Course)

Course Content: Experiences in the Food and Nutrition course focus on the development of skills needed to select, prepare, and serve food which meets nutritional needs of individuals and families. Emphasis in this course is given to the competencies related to nutrition, weight control, the food consumer, effect of technology on food and nutrition, microwave cookery, kitchen organization and equipment, safety and sanitation, menu planning, serving and eating food, food preparation, eating away from home, and jobs and career opportunities in the field of food and nutrition. Upon completion of this course, students should be able to apply sound nutritional practices which will have a positive effect on their health.

HOUSING and INTERIOR DESIGN– Students who took the FACS class have first priority in semester classes.

Available Spring 2019

(Spring semester course – should enroll in Clothing I for Fall 2018 semester)

Course Content: 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, and arrangement of home furnishing and appliances; energy conservation; jobs and career opportunities in housing and interior design; and the effect of technology on housing. Upon completion of the course, a student should be prepared to make wise decisions in obtaining and maintaining personal and family shelter.

FINANCIAL LITERACY Course Content: This course is designed to increase financial literacy among high school students and prepare them to successfully manage their personal and family financial resources. Students learn to manage resources through hands-on applications that are relevant to their lives. Examples include employment related forms, spending plans, cost analyses, comparison shopping, and individual and family scenarios. 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 with the use of Dave Ramsey Financial Peace University high school curriculum. Upon successful completion of this course, students will have the ability to handle financial responsibilities effectively now and in their future.

CLOTHING I – Students who took the FACS class have first priority in semester classes

Available Fall 2018.

(Fall Semester Course--should enroll in Housing & Interior Design for Spring 2019 semester)

Course Content: This course is designed to assist students in developing skills necessary for management of individual and family wardrobes, for decision making as a clothing consumer, and for understanding the role of the clothing and textile industry in economy. Emphasis is given to the development of competencies related to clothing selection; clothing needs of family members; wardrobe planning; clothing care; characteristics of natural and synthetic fibers; types of fabrics and fabric finishes; use and care of sewing supplies and equipment; fabric selection; clothing construction techniques; jobs and careers in clothing and textiles; computer use in clothing and textiles; and effects of technology on the clothing and textile industry. Upon completion of this course, a student should be able to provide and maintain personal/family wardrobes to meet the needs of the individuals. In addition, the student should acquire skills needed for clothing and textiles occupations. Students should be self-motivated and work well on an individual basis. Some expense is involved with this course which includes 3 sewing projects (estimate \$40-\$50).

***BUSINESS LAW** – Offered to grades 11 and 12

Business Law has 2 course numbers (492 070/492 080); be sure to sign up for both parts.

Course Content: Business Law is a full-year course that will provide students the opportunity to study law and its impact on business and consumers. Areas of study include constitutional law; criminal law; civil law; the judicial system; consumer protection and business regulation; and legal forms of business organization. Students will collaborate through blogs and participate in classroom debates related to current issues and cases. The course is an excellent choice for students who plan to pursue post-secondary education in Business Administration, Marketing, Management or Finance.

***COMPUTERIZED ACCOUNTING I** – Offered to grades 10, 11 and 12

(Designated as an Honors Course)

Course content: Computerized Accounting I is a study of basic accounting principles and procedures used in business. Course content includes analyzing business transactions, preparing financial statements, banking, payroll, and business ethics. Computers are used when appropriate. Analysis of financial statements and managerial decisions based on financial theory are emphasized. Research of current issues is included. Students will create a business plan during the spring semester. This course is an excellent choice for students who plan a college major in any business-related field.

***COMPUTERIZED ACCOUNTING II** – Offered to grades 11 and 12

(Designated as an Honors Course)

Prerequisite: Computerized Accounting I

Course Content: Computerized Accounting II is an advanced course designed for an in-depth study of concepts learned in Computerized Accounting I. Students acquire new accounting skills and knowledge in departmental and corporate accounting, as well as accounting for special procedures. Managerial decision-making, analysis of corporate annual reports and research of current issues are emphasized. Computerized/automated functions of accounting are included in each component. This course is an excellent choice for students who plan a college major in any business-related field.

COMPUTERIZED BUSINESS APPLICATIONS – Offered to grades 10, 11 and 12

Prerequisite: Keyboarding

Course Content: This is a full-year course designed to develop computer skills necessary for today's technology workforce and for post-secondary education. Business Applications is an in-depth study of Microsoft Office, the prevalent software used by area businesses. Applications include word processing,

database management, spreadsheets and analysis, and presentation software. Graphics, e-mail, and Internet are also included. **CBA (or honors level CBA) is a graduation requirement.**

***COMPUTERIZED BUSINESS APPLICATIONS** – Offered to grades 10, 11 and 12

(Designated as an Honors Course)

Prerequisite: Minimum grade of “B” in Keyboarding.

Course Content: This is a full-year course designed to develop computer skills necessary for today’s technology workforce and for post-secondary education. Business Applications is an in-depth study of Microsoft Office, the prevalent software used by area businesses. Applications include word processing, database management, spreadsheets and analysis, telecommunications, and presentations. Graphics, e-mail, and Internet are also included. Research of current issues and case studies prepare students to integrate information technology into various disciplines. **This course (or the regular level of this course) is a graduation requirement.**

ENTREPRENEURSHIP – Offered to grades 10, 11 and 12

Course Content: Entrepreneurship is a full-year course designed to offer an overview of the American business enterprise system. The course includes a study of various forms of ownership, internal organization, management functions, and financing as they relate to business. The course content focuses on the concepts and practices of small business ownership and management; risk management; the use of technology; legal, ethical, and social obligation of business; savings and investments; taxes and government.

FINANCIAL LITERACY Offered to grades 10, 11 and 12 (Semester Course)

Course Content: This course is designed to increase financial literacy among high school students and prepare them to successfully manage their personal and family financial resources. Students learn to manage resources through hands-on applications that are relevant to their lives. Examples include employment related forms, spending plans; cost analyses, comparison shopping, and individual and family scenarios. 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 with the use of Dave Ramsey Financial Peace University high school curriculum. Upon successful completion of this course, students will have the ability to handle financial responsibilities effectively now and in their future.

INTERNSHIP – Offered to grades 11 and 12

Prerequisite: **Application/Teacher Approval**

Course Content: Internship is a capstone course for all students in programs of study leading to a career goal. Internships rely on well-defined partnerships

between high schools, business communities, and post-secondary institutions and apprenticeship programs. The purpose of the program is to help students successfully transition from a high school environment to the environment of their chosen career field. Individualized and “real world” experiences that are competency based lie at the heart of every quality internship program.

COLLEGE AND CAREER READINESS -- Offered to grades 11 & 12. (Semester Course)

College and Career Readiness is a one-semester (.5 credit) course that can count toward completer status for any Career and Technical Education Program of Study. It is designed to provide the student with the necessary skills to evaluate who they are, what they need in a career, and what they need from education to be prepared to refine their choices through a decision-making process and master the skills most needed by 21st century employers. The major goal of College and Career Readiness is to engage students to develop characteristics and skills employers most desire. Students will evaluate personal traits for a better understanding of self in their pursuit of finding a meaningful, fulfilling and rewarding career then compare their traits to the characteristics employers expect for the purpose of identifying and developing the lacking skills. Students will evaluate personal resources, barriers and opportunities; update personal and professional goals; develop education and training plans with alignment in a career pathway; perform the occupational research and planning skills necessary to successfully transition through postsecondary education and training programs and make application for employment; develop an understanding of how the changing workplace requires lifelong learning and upgrading of skills by analyzing the effects of the changing workplace, technology, and the global economy; understand the impact of extraneous factors such as personal barriers, demographic changes, economic and societal trends, and geographic location on occupational opportunities; and master basic career readiness skills in preparation for employment. Career ready practices describe the fundamental career ready knowledge and skills a college and career ready student needs to prepare for transition to postsecondary education, career training, or the workforce.

MARKETING – Offered to grades 11 and 12 (**Application Required**)

Course Content: Marketing is a two-semester course designed to provide students with the fundamental concepts, principles, skills and attitudes common to the field of marketing. Instruction focuses on market types, market analysis, consumer types, planning, promotion, buying pricing, distribution, finance, trends and careers. Although not mandatory, many students can benefit from the on-the-job training component of this course (marketing apprenticeship/work-based learning).

***MARKETING** – Offered to grades 11 and 12 (**Application Required**)

Course Content: Honors Marketing is a two-semester course designed for students who plan to pursue post-secondary education in Business Administration, Marketing, Management or Finance. This course provides an in-depth study in a variety of areas, including economics; target market identification; marketing research; domestic and international markets and influences; branding, pricing and promotion; channel management; and ethics. Students will gain experience in analyzing and evaluating marketing plans, problems and strategies.

MARKETING APPRENTICESHIP/WORK-BASED LEARNING – Offered to Grade 12

Prerequisite: **Application/Teacher Approval**, Enrolled in Marketing

Course Content: This is a cooperative program which combines theory and practice in a marketing occupation for 12th grade students. The Marketing Apprenticeship student is enrolled in Marketing. The student must work a minimum of fifteen (15) hours per week in a local business involved in the marketing of products or services. The student is dismissed from school early provided he/she is employed. The job and hours of employment must be approved by the teacher/coordinator. The student receives three credits, one for the Marketing class work and two for job training. The teacher/coordinator must approve entry to and withdrawal from the program. Students must join the DECA Club and participate in fundraising and community activities. Dues are \$15.

MANAGEMENT--Offered to grades 10, 11, 12

Course Description: Management is a two-semester course that assists the student in understanding basic management functions. Students study the management process, decision-making, environmental factors, basic ethics, and social responsibility. Planning, organizing, leading, and controlling are emphasized as well as basic concepts of staffing, leadership, communications, entrepreneurship, and international management.

SOCIAL MEDIA AND COMMUNICATIONS - Prerequisite—CBA

This is a two-semester project-based course that enhances technology skills, job search and employability skills along with communication skills. Students will create an online electronic career portfolio focused on an individual career path, create social media and viral marketing campaigns, participate in video conferencing, cloud-based collaboration, and learn and practice other workplace related communication technologies and channels. Students will apply verbal and nonverbal communication skills related to both spoken and written communications; technology will be used to enhance these skills. Productivity programs and apps will be used to teach time management, organization and collaboration skills, cloud storage and computing. Students will also create career-related documents according to professional layout and design principles, and will also learn the photo and video editing skills needed to create promotional

and informational business communications and viral marketing campaigns.

SECURITIES, INVESTMENTS, RISK & INSURANCE

New full year course with description to come..

FINANCIAL PLANNING AND WEALTH MANAGEMENT (1.5 credits including Economics credit)

New full year course with description to come..

TRANSITIONS I and II Offered to grades 10, 11, 12

These courses provide an overview of key aspects, knowledge, and skills needed for the transition from high school to post-secondary education and/or employment. Students identify their educational/career goals, personal strengths and areas for development; become familiar with resources and services; and explore strategies for completing their personal goals. The goal of these courses is to enhance the student's ability to recognize, describe, and discuss what is important to them; introduce them to issues regarding work ethics, academic success, and positive volition. Students will also discover their unique learning preferences and patterns and how they can make the best of them. Additionally, students will be guided through the Individualized Education Plan (IEP) process by identifying their disability and learning how to cope in an ever-changing world. Students will also learn and practice the necessary skills required to live independently. This includes budgeting, succeeding in the workplace, and family dynamics.

Required readings

Littrell, J. L. (2014). *School to Career*. Tinley Park, Illinois: The Goodheart-Willcox Company, Inc.

Wanat, J. P. (2009). *Learning for Earning: your route to success*. Tinley Park, Illinois: The goodheart-Willcox Company, Inc.

VISUAL ARTS

ART I - Offered to grades 10, 11 and 12

Course Content: This yearlong course serves as a prerequisite for all other studio art courses offered. Emphasis is placed on gaining a degree of mastery of basic drawing techniques, design, and color theory. Experiences are provided in ceramics, printmaking, painting, and commercial art, where career awareness is stressed. Assignments are structured to encourage creativity while attempting to guarantee a learning experience. All units include studio projects and written assignments/quizzes. Students may need to purchase some of their own materials.

***PRE-AP ART II** – Offered to grades 10, 11 and 12

Prerequisite: Completed Art I with at least a “B” in both semesters, or instructor’s approval.

Course Content: A course designed for the second year art student, this course provides students with the opportunity to use the knowledge and skills acquired in Art I to create original artworks in a variety of media. Students will compile a portfolio that demonstrates both the breadth and concentration required in an AP Studio Art class. The pace and expectations of this course are greater than those of Art I, and students should expect to work outside of class in order to remain on the more demanding schedule. All students will be required to compile a portfolio for evaluation. Students should expect to purchase some of their own materials so that they may work at home if they fall behind schedule or wish to revise their work.

***AP Studio Art**- Offered to grades 11 and 12

Prerequisite: Pre-AP Art II or teacher approval

Course Content: AP Studio Art students work with diverse media, styles, subjects, and content. Each student will create original artworks for a portfolio consisting of three sections:

- The Breadth section contains 12 original works illustrating a range of ideas and approaches to making art.
- The Concentration section contains 12 original works which show sustained, deep, and multi-perspective investigation of a student-selected topic.
- The Quality section represents the student’s 5 most successful works with respect to form and content. Works in this section may be selected from the other two sections. AP Studio Art students’ work is informed and guided by observation, research, experimentation, discussion, critical analysis, and reflection, relating individual practices to the art world. Students are asked to document their artistic ideas and practices to demonstrate conceptual and

technical development over time. Each AP Studio Art course and portfolio assessment focuses on students developing these practices and habits of mind through work with 2-dimensional design, 3-dimensional design, and drawing media and approaches.

- Critical analysis • Evidence-based decision-making • Innovative thinking • Articulation of design elements and principles • Systematic investigation of formal and conceptual aspects of art making • Technical competence with materials and processes to communicate ideas • Incorporation of expressive qualities in art making • Demonstration of artistic intention • Creation of a body of work unified by a visual or conceptual theme.

***PRE-AP ART III**-Offered to grades 11 and 12

Prerequisites: Art II with at least a “B” in both semesters. Instructor’s approval required.

Course Content: Art III and Art IV are for the serious art student who is mature enough to plan, document, and carry out a program of individual study with minimum supervision. The student will be required to compile a portfolio similar in depth and breadth to that required in AP Studio Art.

***ART HISTORY I and II** – Offered to grades 10, 11 and 12

(Designated as Honors)

Prerequisite: Recommend proficient or advanced literacy skills

Course Content: Honors Art History I and II provide an introduction to the study of the history of Western Art, combining readings from the text (Gerald Brommer’s *Discovering Art History*) with the examination of specific artworks in a slide/lecture format. Art History I includes the study of prehistoric, Egyptian, Greek, Roman, and medieval periods, while Art History II begins with the Renaissance and ends with modern styles. These courses may be taken individually as semester courses or together as a year-long study. Students are expected to analyze, interpret, and make and defend judgments about individual works of art. All students must participate in class discussion, and conduct research on selected topics. Research may be presented in written form, or in original PowerPoint or Moviemaker creations.

THEATRE AND FORENSICS

THEATRE APPRECIATION Offered to grades 9, 10, 11 and 12

Theatre Appreciation is a one-semester course in which students will develop fundamental theatre skills through academic study. Students will develop an understanding of basic theatre skills and the history of the theatre, analyze and evaluate artistic work, and discover connections between theatrical works and societal, cultural, and historical contexts. *Theatre Appreciation fulfills the one-half credit fine arts required for graduation.*

THEATRE I (Theatre Performance I)

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

THEATRE II & III – (Theatre Performance II and III) Offered to grades 10, 11 and 12

Prerequisites: Theatre Performance I and an audition. Students must audition to be in this class. Auditions will be conducted at the end of Performance I or by appointment. Theatre Performance II and III are two-semester courses which expand the knowledge and performance base of Theatre Performance I. In Theatre II and III students will focus on the practical application of skills developed in Theatre I. Students will take on more complex projects and may begin to develop directorial skills. Ultimately, students will make artistic decisions using multiple forms of inspiration, particularly focusing on social, cultural, and historical context.

STAGECRAFT I – Offered to grades 10, 11, and 12

Stagecraft I is a two-semester course which provides students with both exposure to and experience in all elements of technical theatre, including exploring theatre personnel, scenery, construction, props, lighting, sound, costuming, and makeup.

After school shop hours are required.

Stagecraft I fulfills the one-half unit of fine arts credit required for graduation.

STAGECRAFT II and III – Offered to grades 11 and 12

Prerequisite for Stagecraft II: Stagecraft I

Prerequisite for Stagecraft III: Stagecraft II

Stagecraft II is a two-semester course which allows students to advance their skills in all elements of technical theatre through practical experience, with new instruction in design. Stagecraft III is a two-semester course which allows students to deepen their understanding and advance their skills in specialized elements of technical theatre, which could include scenic design, construction, properties, lighting, sound, or costuming/makeup. ***After school shop hours are required for both classes.***

***DEBATE I (ORAL COMMUNICATIONS)** Honors credit– Offered to grades 10, 11 and 12

Prerequisite: Application

Course Content: Students enrolling in this course enjoy the advantages of more advanced and varied presentations, situations, audiences, and evaluations than the regular Oral Communication course. This course is a full-year class that focuses developing skills used in interscholastic competitive debate. Students will be encouraged to attend debate tournaments and compete as a squad against other schools. Classroom activities include practice debate rounds with teacher/peer evaluation geared toward identifying and improving debate skills as well as extemporaneous and persuasive speeches. **Students who are unable to compete in tournaments should not enroll.** Students will receive ½ credit for oral communications and ½ elective credit, or this course may be taken for one full elective credit if the student already has an oral communication credit. **Responsibilities of students:** Heavy reading/writing/researching taking place in and outside of class; must be a self-motivated student; willingness to work closely with others – you and another person will make up a competitive debate team. Interscholastic competition requires a 2.0 GPA, though a 3.0 or better is encouraged due to outside research and practice.

DEBATE II – (ORAL COMMUNICATIONS)

Prerequisite: Debate I

Course Content: Students enrolling in this course will continue their study of debate. Debate II students will mentor Debate I through the debate process. Students will be encouraged to attend debate tournaments and compete as a squad against other schools. Classroom activities include practice debate rounds with teacher/peer evaluation geared toward identifying and improving debate skills as well as extemporaneous and persuasive speeches. **Students who are unable to compete in tournaments should not enroll.** Students will receive ½ credit for oral communications and ½ elective credit, or this course may be taken for one full elective credit if the student already has an oral communication credit. **Responsibilities of students:** Heavy reading/writing/researching taking place

in and outside of class; must be a self-motivated student; willingness to work closely with others – you and another person will make up a competitive debate team. Interscholastic competition requires a 2.0 GPA, though a 3.0 or better is encouraged due to outside research and practice.

DEBATE III – (ORAL COMMUNICATIONS)

Prerequisite: Debate I, II

Course Content: Students enrolling in this course will continue their study of debate. Debate III students will mentor Debate I and II through the debate process. These students will be facilitators in the class process, peer evaluations, and tournament preparations and case prep. Students will be encouraged to attend debate tournaments and compete as a squad against other schools. Classroom activities include practice debate rounds with teacher/peer evaluation geared toward identifying and improving debate skills as well as extemporaneous and persuasive speeches. **Students who are unable to compete in tournaments should not enroll.** Students will receive ½ credit for oral communications and ½ elective credit, or this course may be taken for one full elective credit if the student already has an oral communication credit. **Responsibilities of students:** Heavy reading/writing/researching taking place in and outside of class; must be a self-motivated student; willingness to work closely with others – you and another person will make up a competitive debate team. Interscholastic competition requires a 2.0 GPA, though a 3.0 or better is encouraged due to outside research and practice.

FORENSICS I (Oral Communication) offered to Grades: 10-12

Forensics I is a two-semester course which will provide students with an understanding of the dynamics of effective oral communication when speaking, listening, and responding. Students will develop basic communication competencies including ethical practices in communication; recognition of communication barriers; and effective use of interpersonal communication, listening, verbal and nonverbal messages, and use of digital media. Listed in this document as Strand 4: Communication Competencies, these life skills will be embedded throughout the course. In Forensics I, students will develop research skills to prepare for a variety of public speaking formats, including debate, public address, and oral interpretation of literature. Furthermore, students will organize research and analysis into presentations delivered in a variety of formats and for a variety of audiences. Forensics I fulfills the ½ unit of Oral Communication required for graduation and does not require Arkansas Department of Education approval. AAA requires a 2.0 for competition, but a 3.0 is preferred for this class due to your outside prep and travel that is required for this class. This class involves interscholastic competition and involvement in the National Speech and Debate Association.

FORENSICS II (Oral Communication) offered to Grades: 10-12

Prerequisite: Forensics I

Forensics II is a two-semester course which will provide students with an opportunity to demonstrate communication skills at an intermediate level. Students will cultivate effective vocal delivery, emphasizing articulation, projection, and inflection. They will cultivate appropriate movement and gesture to accentuate meaning. These communication skills, which will serve students well throughout their lives, will be embedded throughout the course. Students will acquire skills necessary to make aesthetic choices in the selection, preparation, and presentation of literature from a wide variety of genres. Students will practice persuasive techniques in both extemporaneous and prepared formats. AAA requires a 2.0 for competition, but a 3.0 is preferred for this class due to your outside prep and travel that is required for this class. This class involves interscholastic competition and involvement in the National Speech and Debate Association.

FORENSICS III (Oral Communication) Offered to Grades: 11-12

Prerequisite: Forensics I, Forensics II

Forensics III is a two-semester course. In this course students will master research, organization, and presentation skills through a variety of public speaking situations. 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. Peer critique will be utilized to enhance presentation skills. AAA requires a 2.0 for competition, but a 3.0 is preferred for this class due to your outside prep and travel that is required for this class. This class involves interscholastic competition and involvement in the National Speech and Debate Association.

FINE ARTS – MUSIC

BAND (INSTRUMENTAL MUSIC) – Offered to grades 10, 11 and 12.

Course Content: Band (Instrumental Music) is a year-long academic course that is open to all students who have had at least one year of band experience. The State Guide for Curriculum is followed with a specific course of study for each instrument and a level for each person enrolled. During the first part of the year the emphasis is on marching and marching band. Beginning in November, the focus changes to a concert band setting. The class is divided by ability into two groups. Students audition to determine whether they will be in the advanced band (Symphonic Band) or the regular band (Concert Band). Band is a performing medium and all students are expected to participate if they enroll. Rehearsals and performances outside of the regular school day are a part of the course. The marching band performs at all home football games, some away football games, plus related parades, marching assessments and impromptu events. The concert bands participate in region and state music festivals, solo and ensemble contests, all-region and all-state events and local performances. All band activities are governed by the RHS Band Policy Handbook and each student must maintain a 2.0 GPA. Every three years the band takes a major trip and performs before a national or international audience. Band is a year-long course.

***ADVANCED PLACEMENT MUSIC THEORY** – Offered to grades 11 and 12
(Designated as an Honors course)

Prerequisite: Application

Course Content: This course is recommended for students who plan to major or

minor in music in college. Students enrolling in Music Theory should be able to read music and should have previous training in band, choir, and/or piano. The course covers the fundamental elements of music and beginning harmony; it includes part-writing and transposition with some emphasis on sight-reading and ear training.

RHS TTb/SSA choirs – Offered to grades 10, 11 and 12

Course Content: This class is for **any student** interested in singing in a choral setting. Prior experience in choir **is not** needed. Students must sing for Mr. Foy prior to being placed in this choir. Students in this choir are required to participate in all-region and all-state auditions, and region choral festivals. Students are expected to perform in up to four concerts per year in addition to the activities listed above. Students are expected to attend a limited number of after school rehearsals and to participate in fundraising activities. AAA requires that choir students maintain a 2.0 GPA each semester to be eligible to participate in competitions. Fees include a \$15 uniform fee, registration fees for all-region and all-state, and money needed to purchase a choir shirt.

RHS CHAMBER CHOIR – offered to grades 10, 11 and 12

Course Content: This class is for students with **prior choral experience and sight reading abilities.** Students should be proficient sight singing level 5 on sightreadingfactory.com. Students must be approved by Mr. Foy before signing up for this class. If a student without prior choral experience desires to be in this class he/she must audition for Mr. Foy prior to signing up for this class. **Any student may sign up for the ttb/ssa choir without auditioning.** Students in this choir are required to participate in all-region and all-state auditions, and region choral festivals. The choir will also take extended trips every three years to participate in choral festivals abroad. Students are expected to perform in four or more concerts per year in addition to the activities listed above. Students are expected to attend a limited number of after school rehearsals and to participate in fundraising activities. AAA requires that choir students maintain a 2.0 GPA each semester to be eligible to participate in competitions. Fees include a \$15 uniform fee, registration fees for all-region and all-state, and money needed to purchase a choir shirt.

MUSIC TECHNOLOGY / APPRECIATION – Offered to grades 10, 11, and 12 (Semester Course)

Course Content: Students will learn about the history of classical music, composers and their influence on modern music. Special emphasis will be placed on the evolution of technology and how it has influenced today's music and global society. This is a hands-on course that exposes students to technology-enhanced music creation using software such as Audacity, Pro Tools, and other web-based applications. Students will develop skill sets in digital audio editing, multi-track sequencing, and web media. Students will also learn to play the piano keyboard at a basic level.

PHYSICAL EDUCATION - Offered to grades 10, 11, and 12 (Semester Course)
Course Content: State education standards require ½ unit of physical education for graduation at the secondary level. No other activity (such as athletics, band, drill team, etc.) may serve as a substitute for this course. The physical education program emphasizes health-related fitness, lifetime activities, and motor skill development. Students are pre-tested and post-tested using the American Association for Health, Physical Education, Recreation and Dance Fitness Instruments. Students spend the first nine weeks of each semester in lifetime fitness – a unit designed to promote cardiovascular fitness, strength, flexibility and body composition. A series of three week lifetime activities are offered the second nine weeks stressing the basic motor skills. Students are required to dress out in approved shoes, socks, shorts and shirts. Students must pass knowledge tests at the end of each activity, and are expected to actively participate in each unit.

HEALTH AND SAFETY – Offered to grades 10, 11, and 12 (Semester Course)

Course Content: Health and Wellness is a one-semester course that provides content and learning experiences in nutrition, disease prevention, human growth and development, healthy life skills, personal health and safety, community health and promotion, decision-making skills interpersonal communication skills and information regarding the use and abuse of medications, alcohol, tobacco and other drugs. The course content focuses on personal health and wellness and the practice of health-enhancing behaviors to avoid or reduce health risks. This course encompasses the Health and Wellness content standards defined by the Arkansas Physical Education and Health Curriculum.

FITNESS FOR LIFE-Offered to grades 10, 11, and 12 (Semester Course)

Course Content: Personal Fitness for Life is a one-semester course that includes a planned curriculum that provides content and learning experiences in motor skills and movement concepts as they apply to physical activity, health-related physical fitness, and lifetime sports and recreation. This course encompasses the Personal Fitness for Life Content Standards defined by the Arkansas Physical Education and Health Curriculum Framework.

DRIVERS EDUCATION – Offered to grades 10, 11, and 12

Prerequisites – must have a learners permit.

The purpose of this Driver Education course is to transfer knowledge, develop skills, and enhance the disposition of the teen, so he/she can perform as a safe and competent driver, thereby contributing to the reduction of crashes, fatalities, and injuries. This course is built on a foundation that addresses what students will know and be able to do as a result of their participation in the program.

EAST I – Offered to grades 10, 11, and 12

Course Content: Environmental and Spatial Technology (EAST) is a multidisciplinary technology course in which students develop skill sets in diverse software and hardware applications while serving their school and community. Students have access to cutting edge technology including digital video production, virtual reality simulation, 3D modeling and animation, music creation and audio editing, GPS and GIS, surveying and mapping, programming, architectural design, computer aided design (CAD), and engineering. EAST students use technology to engage in real world projects that actually make a difference!

EAST *II, *III– Offered to grades 10, 11, and 12 (EAST II and III are honors courses)

Prerequisite: EAST I

Course Content: Students are strongly encouraged to take two or three years of EAST in order to fully experience this dynamic program. EAST II and III challenge students to apply their technology skills to real world situations in the form of school and community service projects. Students are given the opportunity to specialize in one or more technologies and become experts in those areas. Field experiences and independent research expose students to the diverse career paths available to them following the EAST experience.

EAST IV – Offered to grade 12

Prerequisite: EAST III

Course Content: EAST IV is a capstone course for students who are planning to pursue a career in a technology-related field, and who would benefit specifically from a fourth unit of study in EAST. These students generally entered EAST I their freshman year. In special situations, a student may request teacher- and administrator-approval to take EAST III and IV concurrently, provided that all other graduation requirements have been met. Expectations for fourth-year EAST students are extremely high, so student selection for this course is limited to those who have performed exceptionally in EAST I, II, and III.

ARKANSAS TECH CAREER CENTER
Course Descriptions
Last Updated
1-27-16

All courses except Cosmetology have concurrent credit with ATU—Ozark Campus.

AUTOMOTIVE SERVICE TECHNOLOGY I—Offered to grades 10, 11, and 12 with preference given to grade 11. ACE Courses Brakes 494180 (Fall) and Suspension and Steering 494210 (Spring)

Prerequisite: Competitive application, good reading comprehension skills
Course Content: Automotive Service Technology is designed to teach the fundamentals of automotive service repair, both theory and practice. It seeks to reflect the fast-changing technology in the automotive industry. Computerized instruction, demonstration, and hands-on laboratory activities will be utilized to present the theory and practical application of automotive diagnostics and repair. The curriculum follows National Automotive Technical Education Foundation (NATEF) guidelines.

AUTOMOTIVE SERVICE TECHNOLOGY II—Offered to grades 11 and 12

Prerequisite: Completion of Auto Service Tech. I (preference given to grade of “C” or better)

ACE Courses Electrical Systems 494190 (Fall) and Engine Performance 494200 (Spring).

Course Content: During the second year, students will study basic electricity and electronics as well as engine performance. This will include the study of the automobile’s fuel injection, emission controls, and computer controlled systems.

CONSTRUCTION TECHNOLOGY I—Offered to grades 10, 11, & 12 preference given to grade 11

Prerequisite: Competitive Application

ACE Courses Construction Fundamentals 494490 (Fall) Electrical 494500 (Spring)

Course Content: Work in Construction offers a great variety of career opportunities. People with many different talents and educational backgrounds—skilled crafts persons, managers, supervisors, and superintendents—find job opportunities in construction and related fields. In keeping with industry needs, the program offers a variety of courses designed to give students knowledge and practical experience. First year students take the Core (fundamentals) and Electrical sections of the NCCER program. National certification can be obtained in each area through NCCER.

CONSTRUCTION TECHNOLOGY II—Offered to grades 11 and 12

Prerequisite: Completion of Construction Tech. I (preference given to grade of “C” or better)

ACE Courses Carpentry 494460 (Fall) and Plumbing 494510 (Spring)

Course Content: Construction Technology II is a continuation of Construction Technology I with an emphasis on the plumbing and carpentry sections of the NCCER national certification program. National certifications are available to the motivated student who scores 70% or better on the certification exams.

Construction companies can access the student certifications at NCCER for potential employment.

COSMETOLOGY I—Offered to grades 11 and 12 with preference given to grade 11

ACE Course Cosmetology I 494550

Prerequisite: Competitive Application, Age 16, successful completion of 10 high school credits (currently enrolled in a 10th grade math course and English, and/or completion of 2 math and English credits in the 10 transcribed credits), copy of birth certificate and social security card, \$20 fee for state board licensure

Course Content: Cosmetology develops skills in the following areas: hair cutting techniques, styling, low lights, high lights, and permanent waving; cosmetics and facials; manicures and pedicures; and salon management. This course provides (over two years) an opportunity to earn the 1500 clock hours of training which will make the student eligible to take the Arkansas State Board of Cosmetology licensure examination. ***Cosmetology students must provide their own transportation to the Arkansas Beauty College.***

COSMETOLOGY II—Offered to grade 12 ACE Course Cosmetology II 494570

Prerequisite: Successful completion of Cosmetology I (preference given to grade of “C” or better)

Course Content: This is a continuation of Cosmetology I. The areas of instruction are the same, but students will develop and refine skills in specific areas. ***Cosmetology students must provide their own transportation to the Arkansas Beauty College.***

COMPUTER ENGINEERING I—Offered to grades 10, 11, and 12 with preference given to grade 11

Prerequisite: Competitive application and preference given to completion of Algebra I with a grade of “C” or better ACE Courses Diagnostics 494400 (Fall) and Operations 494220 (Spring)

Course Content: This course will provide the opportunity to become A+ certified in computer repair. PC building, upgrading, repair, and operating systems will be taught. Operating systems include WIN 98, WIN 2000 Professional, and WIN XP. The course is a combination of self-paced computer-aided instruction,

lecture, and hands on labs.

COMPUTER ENGINEERING II—Offered to grades 11 and 12

Prerequisite: Completion of Computer Engineering I (preference given to grade of “C” or better)

ACE Course Networking 494410 Year Long

Course Content: This course will provide the opportunity to become Network+ certified. Data communications, Windows NT, network hardware, and technical support are some of the topics covered in this course. Certifications available to motivated students can include Cisco, Novell, and others. This course is self-paced, 75% computer-aided instruction and hands-on labs.

CRIMINAL JUSTICE I—Offered to grades 10, 11, and 12 with preference given to grade 11

Prerequisite: Competitive Application

ACE Courses Intro to Criminal Justice 494620 (Fall) and Law Enforcement I 494630 (Spring)

Course Content: The first year of the criminal justice program will focus on an Introduction to Criminal Justice with units in exploring search and seizure, arresting suspects, exploring court procedures, and preventing crime. The first year student will also study law enforcement with units of study including investigating criminal justice careers, defining crimes, defending against attack, responding to emergencies, controlling traffic, and performing patrol.

CRIMINAL JUSTICE II—Offered to grades 11 and 12

Prerequisite: Completion of Criminal Justice I with preference given to grade of “C” or better

ACE Courses Criminal Law 494610 (Fall) and Law Enforcement II 494600 (Spring)

Course Content: The second year of the criminal justice program will be a continuation of the first year program. The course will include law enforcement coursework with units of study including investigating crimes, exploring search and seizure, maintaining custody of prisoners, and defining crimes. The career and technical student organization, SkillsUSA, will be an integral part of the curriculum in this program.

CULINARY ARTS I— Culinary Arts—Offered to grades 10-12

Prerequisite: Competitive Application

ACE Courses Intro To Culinary Arts 493250 and Culinary Arts I 493260 (Fall) Culinary Arts II 493270 (Spring)

Course Content: Culinary training combines classical with modern techniques and prepares a student for entry level foodservice positions or post-secondary culinary training. Course work includes cost accounting, sanitation and safety, purchasing, menu design and analysis, and supervisory skills.

CULINARY ARTS II—Offered to grades 11 and 12

Prerequisite: Culinary Arts I (Preference given to a grade of “C” or better)

ACE Courses ProStart I 493220 (Fall) and ProStart II 493230 (Spring)

Course Content: Culinary Arts II consists of training in the classroom, lab, and paid internships in foodservice settings to prepare students for management careers in the hospitality industry. Program completers are eligible for scholarships from the National Restaurant Association and the Arkansas Hospitality Association.

HEALTH SCIENCE TECHNOLOGY I—Offered to grades 10, 11 and 12

(Preference to grade 11)

Prerequisite: Competitive Application

ACE Courses Human A & P 495300 Year Long and Medical Terminology 495360 (Fall) Pathology 495290 (Spring)

Course Content: The first year of Medical Professions covers the body systems in both structure and function. Emphasis is placed on diseases and treatments of each body system, which is pathology. Students will learn medical terminology. For several body systems, students are required to provide both written and oral presentations. There are several lab activities such as dissections. Guest lecturers in various medical fields help to round out the course. This class is designed for students interested in any health career and is recommended for those planning to continue their education at the college level.

HEALTH SCIENCE TECHNOLOGY II—Offered to grades 11 and 12.

Prerequisite: Completion of Med Pro I (preference given to grade of “C” or better)

ACE Courses Intro to Medical Prof 495340 Medical Prof. Ext. 495380 and Medical Procedures 495330 (Fall) and Medical Procedures Exp. 495390 and Med Clinical Intern/Specialization 495310 (Spring)

Course Content: This is an educational program that alternates in-school instruction and supervised on-the-job training activities in health science technology occupations. Students enrolled in this course will be able to test for industry certifications such as Certified Nursing Assistant, Phlebotomy Tech, Pharmacy Tech, and EMT.

MECHATRONICS/AUTOMATED SOLUTIONS I—open to grades 10-12 with preference given to grade 11. ACE Courses 494480—Intro. To Craft Skills (Fall) and 494800—Pre-Mechatronics (Spring)

Prerequisite: Competitive Application

This instructional program prepares individuals to apply technical knowledge and skills in the building, inspecting, and maintaining of structures and related properties. Mechatronics is a new and rapidly growing field that integrates electronics, mechanics, pneumatics, hydraulics, and information technology and computer control systems into a single discipline that crosses most of the traditional boundaries of a skilled technician. Mechatronics is a broad

understanding of how mechanical and electrical energy is produced, controlled and utilized. The Mechatronics program is designed to teach a core set of technical skills that are applicable in a wide variety of settings.

WELDING I—Offered to grades 10, 11, and 12 with preference given to grade 11

Prerequisite: Competitive Application

ACE Courses Metal Fab 495570 (Fall) and Gas Tungsten Arc 495560 (Spring)
Course Content: Metal Fabrication develops skills in cutting, shaping, welding, and fastening of metals through the use of equipment consistent with the industrial needs of the area. Instruction emphasizes properties of metals, blueprint reading, and layout design. Processes taught are cutting and Gas Tungsten Arc Welding.

WELDING II—Offered to grades 11 and 12

Prerequisite: Completion of WELDING I (preference given to grade of “C” or better)

ACE Courses Gas Metal Arc 495550 (Fall) Shielded Metal Arc 494480 (Spring)
Course Content: This course offers instruction in blueprint reading, layout, and cutting using the Shielded Metal Arc and Gas Metal Arc processes. This program offers opportunities for hands-on work in a lab setting. A student who successfully completes two years in this program should be employable at entry level in the metal fabrication industry.