2017-2018
COURSE CATALOG

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Table of Contents

Calculations for Local GPA and Class Rank 4
Van Buren High School Diplomas 5
Career And Technical Education Course Offerings 6
Agricultural Science 6
Business & Marketing Technology 6
Family & Consumer Sciences 7
Junior Reserve Officer Training Corp 7
Pre-Engineering – Project Lead The Way 8
Fine Arts Course Offerings 8
Instrumental Music 8
Vocal Music 8
Specialty Choir 8
General Arts 8
2-D Design Focus 9
Drawing/Painting Focus 9
3-D Design Focus 9
Performing Arts Theatre 9
Foreign Language Course Offerings 10
French 10
German 10
Spanish 10
English Language Learners 10
Language Arts Course Offerings 11
Elective Courses 11
Math Course Offerings 11
Physical Education Course Offerings 12
Elective Courses 12
Sports 12
Science Course Offerings 13
BioMedical 14
Social Studies Course Offerings 14
Miscellaneous Offerings 15
Virtual Arkansas Elective Courses* 15
Virtual ATU Concurrent Courses 16
ATU Concurrent Courses 16
UAFS Concurrent Courses 16
Western Arkansas Technical Center 16
English Course Progression 19
Math Course Progression 19
Smart Core Diploma 19
College Prep Diploma 19

College Prep with Honors Diploma....19
Science Course Progression....20
Visual Arts Course Progression....20
2-D Design Focus....20
3-D Design Focus....20
Drawing/Painting Focus....20

Calculations for Local GPA and Class Rank

Van Buren High School reserves the right to make changes as required in course offerings and curriculum. GPA will be figured with Advance Placement courses using 5.0 scale, and all other courses will use the 4.0 scale. Class rank will be calculated including PAP with a 4.5 scale and Concurrent with a 4.5 scale. Calculations of GPA will be based on grades earned in academic courses in grades 9 through 12. See Board Policy for complete GPA calculation policy.

Advance Placement = 5.0 Scale		Concurrent Courses = 4.5 Scale *(Class Rank Only)*		PAP Courses = 4.5 Scale *(Class Rank Only)*		On-level Course = 4.0 Scale	
A	= 5.0	A	= 4.5	A	= 4.5	A	= 4.0
B	= 4.0	B	= 3.5	B	= 3.5	B	= 3.0
C	= 3.0	C	= 2.5	C	= 2.5	C	= 2.0
D	= 2.0	D	= 1.5	D	= 1.5	D	= 1.0
F	= 0	F	= 0	F	= 0	F	= 0

ADVANCED PLACEMENT = AP Courses are taught on a college Level. They stress critical thinking, writing, and analytical skills. Students may receive college credit by taking and successfully passing the College Board AP exam. The student must pass both semesters of the AP course and take the appropriate AP exam to receive weighted credit. Weighting will be reduced to a 4.0 scale on final transcript for students who do not meet these conditions.

CONCURRENT CLASSES Courses taught on a college level through Arkansas Tech University or University of Arkansas Fort Smith. Students receive college credit upon completion of the class with a C or above. Weighted GPA of 4.5 for class rank only.

PAP COURSES PAP Courses are more rigorous than on-level courses. Students are introduced to the higher order thinking skills and are prepared for AP Courses. Weighted GPA of 4.5 for class rank only.

ATHLETIC ELIGIBILITY STANDARDS Eligibility rules apply to all students competing in athletics or non-athletic activities.

For the fall semester of 9th grade, students are required to have passed 4 courses. For the Spring semester of 9th grade, students must have passed 4 academic courses.

Students in grades 10-12 must have passed at least 4 academic courses and have a minimum 2.0 GPA for the previous semester to be eligible to compete.

ARKANSAS TECH A CENTURY FORWARD Indicates concurrent credit courses through Arkansas Tech University Russellville Campus. Students can earn 24 college credits towards transferable college credit at no cost to the family. Courses include: US History I, US History II, World Civ I, World Civ II, College Algebra, Plane Trigonometry, Freshman Composition I, and Freshman Composition II.

UA FORT SMITH Indicates concurrent credit courses through University of Arkansas Fort Smith. Students can earn 3 college credits towards transferable college transcript at half tuition cost. Courses include: Government & Politics for American National Government credit.

Van Buren High School Diplomas

General (Core) Diploma	Smart Core Diploma	Local Honor Diplomas of Distinction
English **4 Units** English 9 English 10 English 11 English 12	**English** **4 Units** English 9 English 10 English 11 English 12	**College Prep Distinction** Smart Core curriculum including: • 23 Credits • 2 years of same foreign language • 4 PAP, AP, or Concurrent classes • 3.0 GPA at the end of 8 semesters
Mathematic **4 Units** Algebra 1 Geometry Algebra 2 Additional Math	**Mathematic** **4 Units** Algebra 1 Geometry Algebra 2 Math above Algebra 2	**College Prep with Honors Distinction** Smart Core curriculum including: • 23 Credits • 2 years of same foreign language • 8 PAP, AP or Concurrent classes (2 must be AP) • 3.5 GPA at the end of 8 semesters
Science **3 Units** Physical Science Biology Additional Science	**Science** **3 Units** Physical Science Biology Chemistry or Physics	**College Prep with High Honors Distinction** Smart Core curriculum including: • 23 Credits • 2 years of same foreign language • 12 PAP, AP or Concurrent classes (3 must be AP) • 3.9 GPA at the end of 8 semesters
Social Studies **3 Units** Civics .5 credit Economics .5 credit World History US History	**Social Studies** **3 Units** Civics .5 credit Economics .5 credit World History US History	
State Required Units Oral Communications .5 credit Physical Education .5 credit Health and Safety .5 credit Fine Arts .5 credit	**State Required Units** Oral Communications .5 credit Physical Education .5 credit Health and Safety .5 credit Fine Arts .5 credit	
Digital Learning Course* *Required for 2018 and after.	**Digital Learning Course*** *Required for 2018 and after.	
Local Requirements **1 Unit** Technology (CBA Recommended)* *Required for 2017 & 2018.	**Local Requirements** **1 Unit** Technology (CBA Recommended)* *Required for 2017 & 2018.	
Career Focus Electives	**Career Focus Electives**	
22 Total Credits to Graduate	**22 Total Credits to Graduate**	**23 Total Credits to Graduate**

Adopted by Board of Education 08/09/2016

Career And Technical Education Course Offerings

The Arkansas Department of Career Education and VBSD recognize students who complete a career focus program of study as "**Completers**". Completers receive a certificate from the Arkansas Governor, and wear green and white honors cords at graduation. Students are encouraged to select their career focus electives for graduation from one of the following programs of study.

Agricultural Science

Course Code	Course Description	Pre-R	CR	9	10	11	12
491140	**Intro to Agriculture, Food, and Natural Resources** *Provides an overview of the fields of agricultural science and natural resources. (Year One)*		1	■	■	■	■
491170	**Principles of Agricultural Science – PLANT** *An agricultural class for students who are interested in horticulture. (Year Two)*	Intro to Ag	1		■	■	■
491470	**Principles of Agricultural Science – Natural Resources and Ecology** *An agricultural class for students who are interested in earth sciences and man's interactions with nature.. (Year Two)*	Intro to Ag	1		■	■	■
491130	**Vegetable and Fruit Production** *This one semester course is designed to prepare students to understand the importance, production, marketing, distribution, and care of fruits and vegetables. This course allows for an in-depth look at the Fruit and Vegetable Industry while providing Hands on Laboratories, and opportunities to participate in FFA and Supervised Agriculture Experiences. Spring semester class only.*	Intro to Ag & Prin of Ag	.5			■	■
491300	**Leadership and Communication** *This one semester course introduces principles and techniques of agriculture business organization and operation leadership skills which may result in career development in the agriculture/agribusiness industry. Fall semester only.*	Intro to Ag & Prin of Ag	.5			■	■

Business & Marketing Technology

Course Code	Course Description	Pre-R	CR	9	10	11	12
492120	**Computerized Business Applications** *Business applications necessary to live and work in a technological society.*		1	■	■	■	■
492280	**Economics** *Meets graduation requirements. Emphasizes economic fundamentals, microeconomics, macroeconomics, and personal financial management.*		.5	■	■	■	■

Accounting

Course Code	Course Description	Pre-R	CR	9	10	11	12
492100	**Computerized Accounting 1** *A two-semester course emphasizing basic accounting principles. Entry-level skills in the accounting profession may be obtained.*	CBA	1		■	■	■
492110	**Computerized Accounting II** *A two-semester course emphasizing advanced accounting principles.*	Comp Acct I	1			■	■

Insurance and Risk Management

Course Code	Course Description	Pre-R	CR	9	10	11	12
492210	**Insurance and Risk Management** *A one semester course where students learn about the importance of insurance, including 'Why is car insurance more expensive for male drivers?' and 'How does my insurance work if my house is broken into?'*		.5		■	■	■

Entrepreneurship

Course Code	Course Description	Pre-R	CR	9	10	11	12
492100	**Computerized Accounting 1** *A two-semester course emphasizing basic accounting principles. Entry-level skills in the accounting profession may be obtained.*	CBA	1		■	■	■
492170	**Entrepreneurship 1** *Study of various forms of ownership, organization, management and financing related to business.*	CBA	.5		■	■	■
492180	**Entrepreneurship 2** *Study of theory, applied, international, and small business economics.*	E1	.5		■	■	■

Medical Office Administration

Course Code	Course Description	Pre-R	CR	9	10	11	12
492693	**Medical Office Management** *This course covers basic skills in word processing, database, spreadsheet, presentation, desktop publishing, 10-key calculating, recordkeeping, communicating and transcribing as well as decision making, critical thinking, teamwork and ethics.*	CBA	1		■	■	■

Securities & Investments

Course Code	Course Description	Pre-R	CR	9	10	11	12
492100	**Computerized Accounting 1** *A two-semester course emphasizing basic accounting principles. Entry-level skills in the accounting profession may be obtained.*	CBA	1		■	■	■
491990	**Financial Literacy** *A one semester which covers managing bank accounts, filing tax returns, budgeting and calculating paychecks. Students may become certified in Financial Literacy.*		.5		■	■	■
492270	**Investments & Securities** *Focus is on basics of investing in stocks, bonds, and mutual funds. Students will compete in the National Stock Market Game.*		.5			■	■

Other Electives

Course Code	Course Description	Pre-R	CR	9	10	11	12
492070	**Business Law 1** *Designed to acquaint the student with some of the legal problems and rights encountered in business transactions.*		.5		■	■	■
492080	**Business Law 2** *Extension of Business Law I.*	BL1	.5		■	■	■
493770	**JAG** *Jobs for Arkansas' Graduates can be utilized in any program of study and can count as credit toward a student's vocational career focus/major. The program's goal is to ensure student graduation (or GED) and prepare students for workplace success whether their career begins immediately upon high school graduation, entry into military service, or requires them to complete postsecondary education/training.* ***By Application.***		1				■
493800	**JAG Work Base** *Work program coordinated with JAG course.*		1				■
493850	**Keystone** *Career exploration, interests, and programs of study.*		.5	■			

Family & Consumer Sciences

Course Code	Course Description	Pre-R	CR	9	10	11	12
493080	**Family and Consumer Science** *Designed to provide students with basic information and skills needed to function effectively within the family and within a changing, complex society.*		1	■	■	■	■
493110	**Food & Nutrition** *Skills needed to select, prepare, and serve food to meet nutritional needs of individuals and families.*	FACS	.5		■	■	■
493020	**Child Development** *Skills to guide physical, intellectual, emotional, social development of children*	FACS	.5	■	■	■	■
493150	**Human Relations** *Skills needed in order to build and maintain successful relationships in the home, community, and workplace.*	FACS	.5		■	■	■
493210	**Parenting** *Understanding parenting process and skills to provide quality care as parents, employees that care for children, or one who interacts with children.*	FACS	.5		■	■	■
493140	**Housing & Interior Design** *Focuses on housing needs, trends, finance, construction, and artful principles applied to housing and design.*	FACS	.5		■	■	■

Education and Training

493242	**Orientation to Teaching I** *Course is designed to provide students with knowledge to prepare them as future teachers. Students will develop an understanding of their role as a teacher, research the developmental characteristics of learners, identify effective teaching strategies, and creatively deliver lessons.*		1		■	■	■
493290	**Orientation to Teaching II** *This course integrates psychological, sociological, and philosophical foundations which prepare students for positive field experiences. Students will develop working knowledge of and employability skills for the education profession as they work toward paraprofessional certification.*		1			■	■

Junior Reserve Officer Training Corp

Course Code	Course Description	Pre-R	CR	9	10	11	12
480950	**Army ROTC Health** *Meets state graduation requirement for Health & Safety credit.*		.5	■	■	■	■
485950	**Army ROTC PE** *Meets state graduation requirement for Physical Education credit.*		.5	■	■	■	■
495790	**Army ROTC 1** *Responsible leadership roles, rights and privileges as American citizens.*		1	■	■	■	■

495800	**Army ROTC 2** *Responsible leadership roles, rights and privileges as American citizens.*	JROTC 1	1		■	■	■
495810	**Army ROTC 3** *Responsible leadership roles, rights and privileges as American citizens.*	JROTC 2	1			■	■
495890	**Army ROTC 4** *Senior cadets serve/learn as commanders and as cadet staff officer at battalion level.*	JROTC 3	1			■	■

Pre-Engineering – Project Lead The Way

Course Code	Course Description	Pre-R	CR	9	10	11	12
495480	**Introduction to Engineering Design** *Students will work both independently and in teams as they learn problem-solving skills using the design process. They get to use industry-standard 3D modeling software to create their own designs including puzzle cubes, Automoblox vehicles, miniature trains, and their own creation which can be printed out on our 3-D printer. (Year One)*		1	■	■	■	■
495490	**Principles of Engineering** *Students are exposed to the basic principles of electrical, chemical, civil, and mechanical engineering disciplines and apply their learning by building and programming VEX robotics structures. (Year Two)*	Intro Eng Des	1		■	■	■
494980	**Aero Space Design** *This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students design an airfoil, gliders, propulsion systems, parachutes, and rockets using NASA software. They also explore robot systems through projects to create remotely operated vehicles. (Year Three)*	Prin Eng	1				■

Fine Arts Course Offerings

Instrumental Music

Course Code	Course Description	Pre-R	CR	9	10	11	12
451009	**Band 1** *Performing group participating in local, regional, state and national contests, concerts, band auditions, solo, and ensemble acts. Good standing in Jr Band or audition required.*		1	■			
451041	**Band 2** *Performing group participating in local, regional, state and national contests, concerts, band auditions, solo, and ensemble acts.*	Band 1	1		■		
451050	**Band 3** *Performing group participating in local, regional, state and national contests, concerts, band auditions, solo, and ensemble acts.*	Band 2	1			■	
451060	**Band 4** *Performing group participating in local, regional, state and national contests, concerts, band auditions, solo, and ensemble acts.*	Band 3					■

Vocal Music

Course Code	Course Description	Pre-R	CR	9	10	11	12
452008	**Boys Choir** *Performance group in local and regional events, concerts, choral auditions, and solo and ensemble performances.*		1	■			
452007	**Girls Choir** *Performance group in local and regional events, concerts, choral auditions, and solo and ensemble performances.*		1	■			
452002	**Girls Choir** *Performance group in local and regional events, concerts, choral auditions, and solo and ensemble performances.*		1		■		
452050	**Concert Choir** *Performance of all styles and periods of choral literature; public performances, concerts, individual and festival competitions required (Girls 11-12, Boys 10-12).*	Choir or All Region member	1		■	■	■

Specialty Choir

Course Code	Course Description	Pre-R	CR	9	10	11	12
452040	**Show Choir** *Study/performance of various vocal pop and jazz styles.*		1		■	■	■
452060	**Treblettes** *Advanced ensemble, public performances, concerts, individual & festival competitions required.*	Audition	1			■	■

General Arts

Course Code	Course Description	Pre-R	CR	9	10	11	12
450060	**Art History** *A history course focusing on art starting in pre-history leading to Renaissance. Minimal art making required.*		.5	■	■	■	■

453100	**Visual Art Appreciation** *Students will discuss art and make artwork in various media.*		.5	■	■	■	■
453030	**Music Appreciation** *Students will study general music forms.*		.5		■	■	■

2-D Design Focus

Course Code	Course Description	Pre-R	CR	9	10	11	12
450000	**Visual Art 1** *Entry level course; basic elements and principles of art; basic drawing, design, and digital photography.*		1	■	■	■	■
450030	**2-D Design/Visual Art 2 PAP** *Advanced methods in design and digital photography. Recommended "B" or better in Visual Art 1. Digital camera or camera phone recommended. Students are responsible for printing their own photographs.*	Visual Art 1	1		■	■	■
450040	**2-D Design/Visual Art 3 PAP** *Advanced methods in design with an emphasis in preparation for the AP portfolio. Instructor permission recommended.*	Visual Art 2	1			■	■
559050	**Studio Art 2-D AP** *Rigorous art making course with a college level focus on 2-D design and development of portfolio for AP evaluation. Recommended "B" or better in Visual Art 2.*	Visual Art 2	1			■	■

Drawing/Painting Focus

Course Code	Course Description	Pre-R	CR	9	10	11	12
450200	**Drawing/Painting 1** *Entry level course; basic elements and principles of art; drawing and painting skills, and art making methods.*		1	■	■	■	■
450210	**Drawing/Painting 2 PAP** *Advanced methods and techniques of drawing and painting. Recommended "B" or better in Drawing/Painting 1.*	Draw/ Paint 1	1			■	■
559040	**Studio Art Drawing AP** *Rigorous art making course with a college level focus on drawing and development of a portfolio for AP evaluation. Recommended "B" or better in Art 2.*	Draw/ Paint 2	1			■	■

3-D Design Focus

Course Code	Course Description	Pre-R	CR	9	10	11	12
450500	**Ceramics/Sculpture 1** *Entry level course; basic elements and principles of art; 3-D art making methods.*		1	■	■	■	■
450510	**Ceramics/Sculpture 2 PAP** *Advanced hand built and wheel thrown ceramics and sculpture techniques in other media. Recommended "B" or better in Ceramics/Sculpture 1.*	Cer/Scul1	1			■	■
559060	**Studio Art 3-D Design AP** *Rigorous art making course with a college level focus on 3-D design and development of a portfolio for AP evaluation. Recommended "B" or better in Art 2.*	Cer/Scul2	1			■	■

Performing Arts Theatre

Course Code	Course Description	Pre-R	CR	9	10	11	12
459100	**Theatre 1** *Introduction to theatre, acting, stage design and stage production. Counts as a Fine Arts credit.*		1	■	■	■	■
459110	**Theatre II** *Advanced level performance based course, working in depth on acting and breathing techniques.*	Theatre I	1		■	■	■
459120	**Theatre III** *Advanced level performance based course, working in depth on acting, directing, resume building, college and work preparation.*	Theatre II	1			■	■
459200	**Stage Craft I** *Intermediate technical theatre, sound, lighting, costumes, props and design work.*	Theatre I	1		■	■	■
459210	**Stage Craft II** *Advanced technical theatre, sound, lighting, costumes, props and design work.*	Stage Craft I	1			■	■
459210	**Stage Craft III** *Advanced technical theatre, Stage and technical design along with stage management.*	Stage Craft II	1				■

Foreign Language Course Offerings

2 years same language only required for College Prep Diplomas

French

Course Code	Course Description	Pre-R	CR	9	10	11	12
441000	**French 1** *French language acquisition for novices. Recommended B or better in English.*		1		■	■	
441010	**French 2** *French language acquisition for novice to intermediate learners. Recommended C or better in French 1.*	French 1	1			■	■
441030	**French 3** *French language acquisition and grammar for intermediate to advanced learners. Recommended C or better in French 2.*	French 2	1				■

German

Course Code	Course Description	Pre-R	CR	9	10	11	12
442000	**German 1** *German language acquisition for novices. Recommended B or better in English.*		1		■	■	
442010	**German 2** *German language acquisition for novice to intermediate learners. Recommended C or better in German 1.*	German 1	1			■	■
442030	**German 3** *German language acquisition and grammar for intermediate to advanced learners . Recommended C or better in German 2.*	German 2	1				■

Spanish

Course Code	Course Description	Pre-R	CR	9	10	11	12
440000	**Spanish 1** *Beginning-low level of reading, writing, speaking, and listening in Spanish Recommended B or better in English.*		1	■	■	■	
440020	**Spanish 2** *Beginning-high level of reading, writing, speaking, and listening in Spanish Recommended B or better in English.*	SP 1	1		■	■	■
540100	**Spanish 1 Native Speakers** *Heritage language learners with emphasis in grammar, reading, and writing.*		1	■	■	■	
540110	**Spanish 2 PAP Native Speakers** *Second year Spanish for heritage learners with emphasis on advanced grammar through reading and writing.*	SPNS 1	1		■	■	■
440021	**Spanish 2 PAP** *Beginning-high level of reading, writing, speaking, and listening in Spanish Recommended B or better in English.*	SP 1	1		■	■	■
440031	**Spanish 3 PAP** *Uses authentic materials and sources to develop essay writing skills, research skills, reading and literature analysis skills, presentation skills, and conversational skills.*	SP 2	1			■	■
540070	**Spanish Language AP** *Intended to develop proficiency and integrate language skills using authentic materials and sources. Course is equivalent to a third year college course in Spanish.*	SP 3	1				■

English Language Learners

Course Code	Course Description	Pre-R	CR	9	10	11	12
99999L	**Language Acquisition** *Level 0 & 1 - Focus on early language acquisition for students with limited English proficiency.*		1		■	■	■
510040	**ELL English 9** *Language arts for students with limited English proficiency.*		1	■			
511030	**ELL English 10** *Language arts for students with limited English proficiency.*		1		■		
512030	**ELL English11** *Language arts for students with limited English proficiency.*		1			■	
513030	**ELL English 12** *Language arts for students with limited English proficiency.*		1				■
51906N	**ELL Contemporary Fiction - Young Adult Literature** *Interpretation and discussion of various young adult contemporary literature; preparation for English End of Level exam.*		1		■	■	■

Language Arts Course Offerings

Course Code	Course Description	Pre-R	CR	9	10	11	12
414000	**Oral Communications** *Major Elements of communications process; make oral presentations.*		.5	■	■	■	■
410000	**English 9** *Study of reading, writing, speaking across many cultures, periods and genres.*		1	■			
410001	**English 9 PAP** *Study of reading, writing, speaking across many cultures, periods and genres with extensive projects, research, and additional readings.*		1	■			
411000	**English 10** *Study of reading, writing, speaking across World cultures, periods and genres.*		1		■		
411001	**English 10 PAP** *Study of reading, writing, speaking across World cultures, periods and genres with extension projects, research, and additional readings.*		1		■		
412000	**English 11** *Study of reading, writing, speaking across American cultures, periods and genres.*		1			■	
412001	**English 11 PAP** *Study of reading, writing, speaking across American cultures, periods and genres with extension projects, research, and additional readings.*		1			■	
517040	**AP Literature & Composition** *College level study of imaginative literature; preparation for the AP exam.*		1			■	
413000	**English 12** *Study of reading, writing, speaking across British cultures, periods and genres.*		1				■
519940 ARKANSAS TECH	**English Composition I & II Concurrent Credit** *Study of reading, writing, speaking for concurrent college credit through ATU. ACT = English = 19 Requires approval. (College Credit for English Composition 6 hours).*	ACT 19 & 2.0 GPA	2				■
517030	**Language & Comp AP** *College level study of language, rhetoric, and expository writing; preparation for the AP exam.*		1				■
413010	**Transitional English 12** *Designed to accelerate students' literacy skill essential for college and career readiness.*						■

Elective Courses

417010	**Creative Writing** *Writing of poetry, short fiction, and personal narrative with an emphasis on developing reflection and creativity.*	"C" or better in previous sem of English	.5		■	■	■
415000	**Journalism 1** *Basic introduction to newspaper and yearbook production; Recommended B in English.*		1	■	■	■	■
415020	**Journalism 3 By application**. *Yearbook production with two day summer workshop required; Recommended B in English.*	Journ 1	1		■	■	■
519063	**Readings from the Holocaust** *Humanities-based study of World War II and the Holocaust through the writings and creative productions (e.g., fiction, non-fiction, poetry, journals, articles, primary source documents, art, drama photography) of the time period and beyond.*		.5		■	■	■
519062	**Shakespeare** *Analytical study of Shakespearean plays including; Othello, Much Ado About Nothing, The Merchant of Venice, A Midsummer Night's Dream, Taming of the Shrew, and The Tempest.*		.5			■	■
617001	**Southern Writers-Contemporary Fiction** *Study of major works of Southern Literature including: I Know Why the Caged Bird Sings, As I Lay Dying, A Streetcar Named Desire, In Cold Blood, and Black Boy.*		.5			■	■
416000	**Drama** *Study of drama from classical to modern elements.*		1		■	■	■

Math Course Offerings

Course Code	Course Description	Pre-R	CR	9	10	11	12
430000	**Algebra 1** *Study of properties of equality, solving equations, graphs, tables, functions, patterns, relations, and polynomial operations.*		1	■			
431000	**Geometry** *Study of dimensional shapes, perimeter, area, volume, relationships involving triangles, quadrilaterals, polygons, circles, and trigonometric ratios.*	Algebra 1	1		■		
431002	**Geometry PAP** *Study of dimensional shapes, perimeter, area, volume, triangles, quadrilaterals, polygons, circles, and trigonometric ratios with extensions.*	Algebra I	1	■	■		
432000	**Algebra 2** *Builds on Algebra 1 to encourage higher order thinking; preparation for Transitions or College Algebra.*	Algebra 1 Geometry	1		■	■	
432001	**Algebra 2 PAP** *Builds on Algebra 1 to encourage higher order thinking; preparation for College Algebra/Trig PAP.*	Algebra 1 Geometry	1		■	■	

439070	**Algebra 3** *Increase understanding of algebraic, graphical, and methods to analyze, translate and solve polynomial, rational, exponential, logarithmic functions, matrices and conics.*	Algebra 1 Algebra 2 Geometry	1				■
439071	**Advanced Algebra 3 PAP** *In-depth study of pre-calculus concepts. Satisfies fourth year math required for unconditional admission to Arkansas' colleges and universities.*	Algebra 2	1			■	■
439110	**Transitional Mathematics** *Focuses on the key readiness standards from the Common Core Standards. Addresses Algebra I, Geometry, and Algebra II.*	Algebra 2	1			■	■
433000	**Pre-Calculus** *Satisfies the fourth year of mathematics required for unconditional admission to Arkansas' colleges and universities.*	Algebra 2	1				■
433002	**College Algebra** *One semester of algebra to help students prepare for Concurrent College Algebra.*	Geom & Algebra 2	.5				■
539901 ARKANSAS TECH	**Concurrent College Algebra** *In-depth study of pre-calculus concepts. Satisfies the fourth year of mathematics required for unconditional admission to Arkansas' colleges and universities. May take as a College Credit for College Algebra (3 hours) ACT = Math 19 and Reading = 19.*	Algebra 1 Algebra 2 Geometry	1				■
539900 ARKANSAS TECH	**College Algebra/Trig Concurrent Credit** *In-depth study of pre-calculus and trigonometric concepts. Satisfies the fourth year of Mathematics required for unconditional admission to Arkansas' colleges and universities. College Credit for Algebra and Trig (6 hours) ACT Math = 19 and Reading = 19.*	Algebra 1 Algebra 2, Geometry, ACT 19 & 2.0 GPA	2			■	■
534040	**Calculus AB AP** *Students will be exposed to all topics covered a Calculus 1 college course as well as topics to be successful on the Advanced Placement Calculus AB examination. Students can earn up to 4 hours of college credit. Course meets for two periods daily.*	College Alg/Trig	1				■
534050	**Calculus BC AP** *Students will be exposed to all topics covered in a Calculus 1 & Calculus 2 college course as well as topics to be successful on the Advanced Placement Calculus BC examination. Students can earn up to 8 hours of college credit. Course meets for two periods.*	College Alg/Trig	1				■
539030	**Statistics AP** *Statistics and probability; preparation for AP exam.*	PAP Alg 2	1			■	■

Physical Education Course Offerings

Elective Courses

Course Code	Course Description	Pre-R	CR	9	10	11	12
480000	**Health** *Personal health, safety and fitness, including first aid, nutrition, drug and alcohol abuse, STD's, eating disorders, mental disorders, First Aid & CPR.*		.5	■	■	■	■
485000	**Physical Education (Boys and Girls)** *Active participation in aerobic, strength training, and flexibility development; various individual and team activities.*		1	■	■	■	■
485010	**Total Fitness 1** *Active participation in personal fitness components; cardio-respiratory endurance, muscular strength, flexibility, and body composition; Classroom study and activities include weight training, jogging, fitness tests, and games.*		.5	■	■	■	■
485020	**Total Fitness 2** *Active participation in personal fitness components; cardio-respiratory endurance, muscular strength, flexibility, and body composition; Classroom study and activities include weight training, jogging, fitness tests, and games.*		.5	■	■	■	■
485025	**Archery** *Introduction to the sport by learning about bows, arrows and shooting at targets.*		.5			■	■
485026	**Fishing** *Introduction to fishing via the picking of lure for certain fish, water temp and learning to fish.*		.5			■	■
690040	**Drivers Education** *30 hours of classroom instruction & practical driving experience, local credit only.*	Permit required	.5			■	■

Sports

999820	**Baseball** *Two semester sport.*		1	■	■	■	■
999810	**Basketball Boys** *Two semester sport.*		1	■	■	■	■
999811	**Basketball Girls** *T wo semester sport.*		1	■	■	■	■
999850	**Cheerleading** *Two semester sport.*		1	■	■	■	■
999812	**Cross Country Boys** *Fall semester sport.*		.5	■	■	■	■
999813	**Cross Country Girls** *Fall semester sport.*		.5	■	■	■	■
999851	**Dance** *Two semester sport.*		1	■	■	■	■

999814	**Football** *Two semester sport.*		1	■	■	■	
999815	**Football** *Fall semester sport;* ***12TH grade.***		.5				■
999821	**Golf** *Two semester sport.*		1	■	■	■	■
999822	**Softball** *Two semester sport.*		1	■	■	■	■
999823	**Soccer – Boys** *Two semester sport.*		1	■	■	■	■
999824	**Soccer – Girls** *Two semester sport.*		1	■	■	■	■
999825	**Tennis** *Two semester sport.*		1	■	■	■	■
999816	**Track – Boys** *Spring semester sport.*		.5	■	■	■	■
999817	**Track – Girls** *Spring semester sport.*		.5	■	■	■	■
999826	**Volleyball** *Two semester sport.*		1	■	■	■	■
999827	**Wrestling** *Two semester sport.*		1	■	■	■	■

Science Course Offerings

Course Code	Course Description	Pre-R	CR	9	10	11	12
423000	**Physical Science** *Study of matter and energy.*		1	■			
423001	**Physical Science PAP** *Study of matter and energy with extension projects, labs, and readings.*		1	■			
420000	**Biology** *Study of cells, genetics, microorganism, plants, animals and ecology.*		1		■		
420001	**Biology PAP** *Study of cells, genetics, microorganism, plants, animals and ecology with extension projects, labs, and readings.*		1		■		
520030	**Biology AP** *College level study of cells, genetics, microorganism, plants, animals and ecology with extension projects, labs, and readings; preparation for AP exam.* ➔***AP Biology does not meet Smart Core requirements***←	Biology	1			■	■
424020	**Environmental Science** *Study of land use, energy generation, and water management.* ➔**Environmental Science does not meet Smart Core**←		1			■	■
421000	**Chemistry** *Study of atomic structure, chemical reactions, and kinetic theory; Meets third science credit requirement.*	Physical Science, Biology, co-req = Algebra 2	1			■	■
421001	**Chemistry PAP** *Study of atomic structure, chemical reactions, and kinetic theory with extension projects, labs and readings; Meets third science credit requirement.*	Physical Science, Biology, Algebra 2	1			■	■
521030	**Chemistry AP** *College level study of study of atomic structure, chemical reactions, and kinetic theory with extension projects, labs, and readings; Meets third science credit requirement; preparation for AP exam. Class meets two periods daily.*	Physical Science, Biology, Algebra 2	1S 1L			■	■
422000	**Physics** *Study of the laws that govern the universe; Meets third science credit requirement.*	Algebra 1 co-req Algebra 2	1			■	■
522080	**Physics I AP** *Study of the laws that govern the universe with extension projects, labs and readings; Meets third science requirement.* **Must have passed college algebra/trigonometry or currently be enrolled in college algebra/trigonometry.**	Bio, PAP Algebra 2	1			■	■
522090	**Physics II AP** *An algebra-based, introductory college-level physics course. Students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as fluid statics and dynamics; thermodynamics with kinetic theory; PV diagrams and probability; electrostatics; electrical circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; and quantum, atomic, and nuclear physics.*	Physics AP 1 & Conc College Alg/Trig	1				■
425050	**Astronomy** *The astronomy course is a science course that continues to develop conceptual understanding of the core ideas, science and engineering practices, and crosscutting concepts in the physical science and Earth and space science.*		1		■	■	■

BioMedical

495000	**Principles of Biomedical Sciences** *An introductory course, students explore concepts of biology and medicine. Activities and projects introduce students to human physiology, biology, medicine and the research process. This is a Project Lead the Way Biomedical Science approved course.*		1		■	■	■
495010	**Human Body Systems** *Course allows students to examine the interactions of human body systems. Students build organs and tissues on a skeletal mannequin using data software to monitor body functions while solving real-world medical cases.*	Prin of BioMed	1			■	■
495020	**Medical Interventions** *Course allows students to explore prevention, diagnosis and treatment of a wide range of diseases. Covers immunology, surgery, genetics, pharmacology, medical devices & diagnostics.*	Prin of BioMed & Hum Int.	1				■

Social Studies Course Offerings

Course Code	Course Description	Pre-R	CR	9	10	11	12
473000	**Arkansas History** *Discover why Arkansas is considered the "Land of Opportunity". This one semester course provides a study of the political and cultural history of the state of Arkansas from its' earliest inhabitants to the Louisiana Purchase up until present day.*		.5		■	■	■
474300	**Economics** *Study of Economics. Meets graduation requirement.*		.5	■			
471000	**World History** *This two semester course provides an overview of the major world events from the Renaissance period to present day.*		1		■	■	■
471001	**World History PAP** *This two semester course provides an overview of the major world events from the Renaissance period to present day. This course also prepares students to be ready to take future college level AP courses.*		1		■	■	■
579910 ARKANSAS TECH	**World Civ 1/2 Concurrent Credit** *College level study of world history from 1000 to present; concurrent credit through ATU; up to 6 hours credit (Meets World History requirement) ACT Reading = 19.*	ACT 19 Reading & 2.0 GPA	2			■	■
571020	**AP World History** *This two-semester college-level course traces the development of world history from the emergence of cities to the present. This course emphasizes the analytical and writing skills necessary for success in a college-level history course. AP World History devotes considerable time to the critical evaluation of primary and secondary sources, analysis of historiography, short essays, and development of a document-based question.*		1		■	■	■
470000	**United States History Since 1890** *This two-semester course will trace our nation's history from 1890 to present.*		1			■	■
579920 ARKANSAS TECH	**American History 1/2 Concurrent Credit** *This a local weighted college-level survey history course. The first semester covers early civilizations (Nile, Tigris/Euphrates) through 1600. The second semester covers 1600 through present day. Each semester is worth three (3) credit hours through Arkansas Tech.*	ACT 19 Reading & 2.0 GPA	2			■	■
570020	**AP United States History** *This two-semester college-level course examines the evolution of the American republic from the initial European incursions into North America to the present. Students will use historical investigation to find clues in historical documents and make judgments about how people lived and the reason/outcome of major events in our nation's history. Students will have the opportunity to earn college credit by taking the AP exam at the end of the year.*		1			■	■
579010	**American History Through Film** *This one semester course examines U.S. history by comparing full length feature films with traditional historical materials.*		.5				■
474600	**World Geography** *This one semester course explores the people, places and current events found in today's world.*		.5		■	■	■
472000	**Civics/Government** *This one semester course provides an overview of the foundations and principles of American government.*		.5	■			■
579170	**AP European History** *This two-semester college-level course is the study of the political, social, and economic history of Europe from the High Renaissance to the present. This course stresses writing and critical thinking skills. Students will have the opportunity to earn college credit by taking the AP exam at the end of the year.*		1			■	■
572040 UA FORT SMITH	**AP Government & Politics** *This two semester college level course examines the political aspects of the United States government and its influences. (This course counts for the required Civics/Government credit).* ***UAFS Concurrent Credit option:*** *Students in this AP class may opt to also take this class for concurrent credit at the same time as they take the AP class if they have a 2.0 GPA, an ACT Reading & English score of 19* ***and*** *they must pay half of the tuition costs.*	ACT 19 Reading & English; & 3.0 GPA	1				■
474400	**Psychology** *This one semester course focuses on individual behavior and why an individual thinks, feels, and reacts to certain stimuli. Major emphases will be placed on social psychology, research methods, altered states of consciousness, psychological disorders, personality and how the brain works.*		.5		■	■	■
579120	**AP Psychology** *This two-semester class covers the same material presented in a college level introductory psychology class.*		1			■	■
474500	**Sociology** *Introduction to the study of humankind's most important creation-- the social group. Chances are that you awoke this morning within the confines of one group-- your family; went to school and met up with another-- your friends; and are now considering joining a different group-- this class. Each of these groups influences your behavior in different ways. In this course, you*		.5		■	■	■

	will examine a wide variety of groups and the behaviors that characterize them.						
579041	**Street Law** *This one semester course provides the basic knowledge of the law, legal principles and procedures.*		.5		■	■	■
474700	**African American History** *This one semester course examines the earliest origins of African Americans and their eventual contributions to the American society.*		.5		■	■	■

Miscellaneous Offerings

Course Code	Course Description	Pre-R	CR	9	10	11	12
696003	**ACT Prep** *One semester course designed to help students achieve a composite score of at least "19" on the ACT. Focus will be to improve students in weak areas of the test by breaking down the semester into 9 week focus areas.*		.5		■	■	■
484480	**Craft Skills** *The course covers safety in construction and industrial crafts. It includes an introduction to construction math, hand and power tools, construction drawing, material handling, & basic rigging. It teaches communication and employability skills.*		1			■	■

*Virtual Arkansas Elective Courses**

Course Code	Course Description	Pre-R	CR	9	10	11	12
414001	**Oral Communication** *A one semester course that provides students with an understanding of the dynamics of effective communication when speaking, listening and responding. Offered both semesters.*		.5		■	■	■
424030	**Anatomy/Physiology** *Course examines the basic biological concepts of structure and function of the human body and the mechanisms of maintaining homeostasis with it. Concentration on the major systems of the body. Each unit of study includes a medical case study activity.*	Biology, Phy. Sci.	1			■	■
439050	**Advanced Topics and Modeling in Mathematics** *Course explores mathematical topics and relationships to beyond Algebra 2. Students will be expected to use technology, including graphing calculators, computers and data gathering equipment throughout course.*	Algebra 1, Geo & Algebra 2	1			■	■
465010	**Computer Science with Programming/Coding Emphasis (Level I)** *Introduction to Computer Science offers students the opportunity to explore three distinct areas in computer science: programming, networking, and information security. Students will develop knowledge and skills in computational thinking and problem solving; data and information; algorithms and programs; computers and communications; and community, global, and ethical impacts. Emphasis is placed on making real-world connections between students, course topics, and programming in the field of computer science. Offered both semesters.*		.5		■	■	■
465020	**Computer Science with Programming/Coding Emphasis (Level II)** *This course expands upon the concepts covered in the Introduction to Computer Science (Level 1) course and places significant emphasis on developing proficiency in computer programming/coding. Students will learn to analyze problems and develop solutions to those problems in a collaborative learning environment. Multiple technologies will be engaged in order to equip students with fluencies that will enable them to adapt to the constantly-changing field of computer science. Offered both semesters.*		.5		■	■	■
492190	**Fashion Merchandising** *A one semester course designed to offer an overview of the fashion industry. Offered Spring Semester ONLY!*		.5		■	■	■
492260	**Introduction to Travel & Tourism** *A one semester course that covers an in-depth study of worldwide travel, transportation and tourism. Offered Spring Semester ONLY!*		.5		■	■	■
492640	**Sports and Entertainment Marketing** *A one semester course designed to provide students with an understanding of marketing concepts, foundations and functions as they relate to career opportunities in the growing area of sports and entertainment. Offered Fall Semester ONLY!*		.5		■	■	■
494611	**Criminal Law** *A course that prepares individuals to perform the duties of police and public security officers, including witness interviewing, evidence collection and management, and basic crime prevention methods.*		1		■	■	■
494622	**Introduction to Criminal Justice** *A course that prepares individuals to perform the duties of police and public security officers, including patrol and investigative activities, traffic control, crowd control, and public relations.*		1		■	■	■
560050	**AP Computer Science** *Comparable to an introductory course for computer science majors in college.*		1			■	■
590100	**Forensic Science and the Law** *A course that provides an overview of a crime scene, DNA, trace evidence, aspects of fire and explosions, fingerprints, and document examination.*		1		■	■	■
696001	**ACT Prep English Reading & Grammar** *One semester course designed to help students achieve a composite score of at least "19" on the ACT. Focus will be to improve students in weak areas of the test by breaking down the semester into 9 week focus areas.*		.5		■	■	■
696000	**ACT Prep Math & Science** *One semester course designed to help students achieve a composite score of at least "19" on the ACT. Focus will be to improve students in weak areas of the test by breaking down the semester into 9 week focus areas.*		.5		■	■	■

**A $25 Fee Applies To Each Virtual Arkansas Course!*

Virtual ATU Concurrent Courses

A 3-credit hour college class equals one high school credit.

Course Code	Course Description	Pre-R	CR	9	10	11	12
514002	**Speech/Oral Communication** *One semester course that covers fundamentals of composition, delivery, and logical reasoning. ACT scores of 19 in Reading and English are required.*	Eng. 10 & ACT 19 Read & Eng	1			■	■
549900	**Elementary Spanish 1** *One semester course that provides training in the elements of Spanish communication and comprehension within a variety of cultural contexts. ACT scores of 19 in Reading and English are required. Offered Fall Semester ONLY!*	ACT 19 Read & Eng	1			■	■
549902	**Elementary Spanish 2** *One semester course that provides continued training in basic Spanish communication. ACT scores required. Prerequisite: Elementary Spanish 1 Fall Semester. Offered Spring Semester ONLY!*	Elem Span I ACT 19 Read & Eng	1			■	■
559001	**Art Appreciation** *One semester course designed to provide a background in art and the related processes so that a student may develop powers of observation and thereby respond to a work of art. ACT scores of 19 in Reading and English are required.*	ACT 19 Read & Eng	1			■	■

ATU Concurrent Courses

A 3-credit hour college class equals one high school credit.

Course Code	Course Description	Pre-R	CR	9	10	11	12
497100	**Teacher Cadet (Concurrent Credit)** *This one year course is designed to encourage students who possess a high level of academic achievement and those personality traits found in good teachers to consider teaching as a career. ACT Scores of 19 in Reading and English are required.*	ACT 19 Read & English	1			■	■
559002	**Concurrent Fine Arts Music** *One semester course. ACT Scores of 19 in Reading and English are required.*	ACT 19 Read & English	1			■	■
585900	**Concurrent Physical Education** *One semester course. ACT Scores of 19 in Reading and English are required.*	ACT 19 Read & Eng	1			■	■
580900	**Concurrent Health** *One semester course. ACT Scores of 19 in Reading and English are required.*	ACT 19 Read & Eng	1			■	■

UAFS Concurrent Courses

A 3-credit hour college class equals one high school credit.

Course Code	Course Description	Pre-R	CR	9	10	11	12
590300	**Concurrent Computer & Information Science Concepts** *One semester course. ACT Scores of 19 in Reading and English are required. Offered Fall Semester Only!*	ACT 19 Read & English	1			■	■
590760	**Concurrent Cyber Systems** *One semester course. ACT Scores of 19 in Reading and English are required. Offered Spring Semester Only!*	Comp Info & ACT 19 Read & Eng	1			■	■
590820	**Fundamentals of Electricity** *A study of the fundamental principles of AC and DC, Ohm's law, and the power equation. Series, parallel, series parallel circuits, and DC meters are introduced. Pre-req: 17 ACT in English, Math & Reading. Offered Fall Semester only.*	ACT 19 Read & Eng	1		■	■	■
590830	**Introduction to Robot Automation** *Teaches the use of off-line programming software for simulating robot layout and reach capabilities and robot program simulation. Pre-req: 17 ACT in English, Math & Reading. Offered Spring semester only. Offered Spring Semester only.*	Fund of Elec	1		■	■	■
590840	**Industrial Electricity** *Covers fundamentals of motors and motor control. Includes switches, relays, transformers, three-phase power systems, DC motors, single-phase motors, three-phase motors, overload protection, and motor controllers. The National Electrical Code standards for all circuits are emphasized. Pre-req: ACT of 17 in English, Math & Reading. Offered Fall semester only.*	Fund of Elec & Robot Auto				■	■
590850	**Electrical Circuits and Components** *Details how individual components react to AC and DC. Includes the study of inductors, transformers, capacitors, R-C circuits, R-L circuits, R-L-C circuits, time constants, series parallel, resonant circuits, and filters. Pre-req: 17 ACT in English, Math & Reading. Offered Spring semester only. Offered Spring Semester only.*	Indust Elec				■	■

Western Arkansas Technical Center

Earn High School & College Credit at the same time, for no cost!

Course Description
Automotive Technology The increasing sophistication of automotive technology now requires workers who can use computerized shop equipment and work with electronic components, while maintaining their skills with traditional hand tools. The ability to diagnose the source of a problem quickly and accurately requires good reasoning ability and a thorough knowledge of automobiles. Students will learn how to inspect, maintain and repair vehicles. **Courses include:** Automotive Theory and Maintenance*,Intro to Transmissions and Drive Trains, Braking Systems, Automotive Engines, Automotive Electrical Systems, Emission Control Systems I, Suspension and Steering, Automotive A/C and Heating, **NOTE: This course must be passed with a "C" or better to*

continue in the automotive program.)

Computer Graphics Technology (Formerly CADD)
Students in this two-year program begin by learning traditional board drafting methods and progress to the use of state-of-the-art equipment to produce beginning-level engineering graphics. Students who successfully complete both years of the program earn 31 hours of college credit. Good candidates for the CGT program will have strong math ability as well as mechanical and visual aptitude. **Courses Include:** Engineering Graphics I*, 3D Visualization,CAD-2D Design Level I*, CAD Concepts and Applications, Digital Design I—Digital Design II, and character Animation. **NOTE: This course must be passed with a "C" or better to continue in the CADD program.)*

Criminal Justice (College level Reading and English scores on the ACT of 19)
The Criminal Justice program prepares students for entry-level careers in federal law enforcement, state and local police work, probation/parole, and/or corrections. Successful students will earn 32 hours of college credit that may be applied to the associate of applied science degree and the Bachelor of Science degree in Criminal Justice at UAFS. Successful criminal justice professionals must have the ability to communicate, listen and understand information and ideas, the ability to apply general rules to specific problems and produce conclusions, and the ability to respond quickly to a signal when it appears. **Courses Include:** Intro to the Criminal Justice System, Intro to Sociology, Legal Aspects of Law Enforcement, Juvenile Delinquency and Justice, Computer Applications for the Knowledge Worker, Total Fitness ,Courts and Criminal Procedure, Police Systems, First Aid, Correctional Systems and Practices, and Intro to Forensic Science

Early Childhood Education
This two-year program provides students with the knowledge and skills to serve as an effective early childhood care provider or teaching assistant. Eighteen-year-old students successfully completing their first year are eligible to receive a CDA certificate. **Courses include:** Child Development, First Aid, Foundations of Early Childhood Education, Infant and Toddler Curriculum, Future Perspectives in Early Childhood Education, Literacy and Language Arts in the Early Childhood Education, Early Childhood Education Field Experience, Child Guidance, Computer Applications for the Knowledge Worker, and Math and Science in Early Childhood Education

Electronics Technology
The WATC electronics program is designed to prepare students for jobs in the use and maintenance of common electrical and electronic devices and instruments. After successfully completing the first year of study, students will receive a certificate of proficiency as a computer service technician. Electronics technicians should have good eyesight and color perception in order to work with the intricate components used in electronic equipment. An aptitude for mathematics is also helpful in this field. **Courses include:** Operating Systems, PC Systems Troubleshooting, Fundamentals of Electricity, Digital Fundamentals, Intro to Electronics Technology, Industrial Electricity I, Industrial Electricity II, Hydraulics and Pneumatics, Solid State, and Special Topics: STEM Guitar

Graphic Design (College level Reading scores on the ACT of 19)
The WATC Graphic Design program includes traditional art and design classes, as well as the latest digital media technology and prepress operations. The program is designed to meet the graphic and digital design requirements of the future. Students who successfully complete this two-year program are prepared for internships as entry-level production artists. Credit hours earned may be applied to the associate of applied science degree and the Bachelor of Science degree in Graphic Design at UA Fort Smith. Successful graphic designers should demonstrate artistic ability and creative thinking. Knowledge and training in computer usage is critical, as well as good communication skills. **Courses include:** 2-D Design, Drawing, Digital Imaging, Introduction to Typography, Advanced Typography, 3-D Design, and Graphic Design Admissions Portfolio

Advanced Health Sciences (College level scores on the ACT of 19 required for second year)
This two-year program provides students the opportunity to earn 27 college credit hours that may be applied to the following programs at UA Fort Smith: Associate Degree in Nursing, Radiography, Surgical Technician, Practical Nursing, Respiratory Care, Dental Hygiene, Imaging Sciences, and Bachelor's Degree in Nursing. (Not all courses will apply to all programs.) Before enrolling in the second year of the Advanced Health program, students must submit college-level ACT or COMPASS scores. **Courses include:** Intro to Health Sciences, First Aid, Medical Terminology, Basic Anatomy and Physiology, Chemical Principles, Anatomy and Physiology I, Computer Applications for the Knowledge Worker, General Psychology, Pharmacy Technician I, and Pharmacy Technician II

General Health and Nursing Assistant (Both morning and afternoon sessions offered)
The general health major offers students the opportunity to learn in a classroom setting about a variety of health careers and basic medical terminology. They also get hands-on experiences in a clinical setting and work directly with patients in local nursing homes. At the completion of this program, students meet the requirements to take the examination for CNA certification. Designed for high school seniors. **Courses include:** Intro to Health Sciences, Nurse Assisting, Medical Terminology, and First Aid

Broadcast Journalism (College level reading and English scores of 19 required for admittance into program)
This program will allow students to learn and participate in both print and broadcast journalism through an internet radio station at UAFS. Students will learn various aspects of media and communication principles and have the opportunity to be on-air during their second year of the program.

Medical Office Administration
This two-year program prepares students for entry-level positions in health care settings such as a physician's office, hospital, clinic, local or state health department, group medical practice, or medical research department. They can expect to perform a variety of clerical tasks and assume minor executive responsibilities in order to keep the office running smoothly. **Courses include:** Intro to Health Sciences, Medical Terminology, Basic Anatomy and Physiology, First Aid **Second year:** Career Management, Administrative Office Procedures, Medical Insurance and Billing, Computer Input Technology, Medical Coding

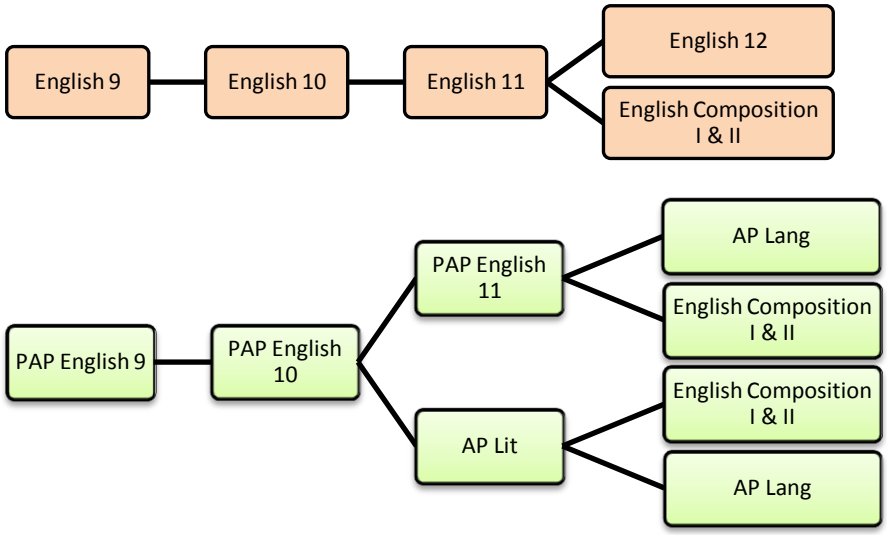
Information Technology
The Information Technology (IT) program is designed to provide students with meaningful exit points to the workforce at the certificate, associate of applied science, and baccalaureate degree levels. Students who successfully complete the first year will receive a certificate of proficiency as a Computer Service Technician. Candidates for the IT program should have strong analytical skills. It is recommended that students take advanced math and science courses prior to enrolling. **Courses include:** Network Fundamentals, Operating Systems, PC Systems Troubleshooting, Website Design, Logic and Design, Network Client Support, Introductory Programming

Pre-Engineering (College level scores on the ACT of 19 required for second year)
This two-year pre-engineering program introduces high school students to the scope, rigor, and discipline of mechanical and electrical engineering prior to entering that chosen college curriculum. Candidates for the pre-engineering program should have strong math, science, and technical abilities. Basic mathematical topics (e.g., algebra, geometry, trigonometry, and introductory calculus) are used to illustrate the relationship between engineering calculations and problem solving. **Courses include:** Intro to Engineering I, Intro to Engineering II, Graphics for Engineers, Intro to Electronics Technology, Digital Fundamentals, Digital Systems, Fundamentals of Electricity, PC Systems Troubleshooting

Welding
Students have the opportunity to learn basic and advanced welding in four areas: Arc, TIG, MIG, and Layout and Fabrication. Students may earn welding certificates of proficiency in these areas. **Courses include:** Intro to Welding and Blue Print Reading, Arc Welding, Basic, Layout and Fabrication – Sheet Metal, Arc Welding, Advanced, Layout and Fabrication – Structural & Pipe, MIG Welding – Basic, TIG Welding – Basic, MIG Welding – Advanced, and TIG Welding – Advanced. **NOTE:** Welding classes are conducted in 8-week increments. Students must pass the basic class

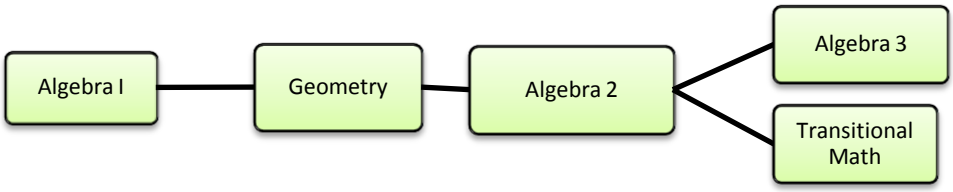
with a “C” or better in order to continue in the advanced class.

English Course Progression

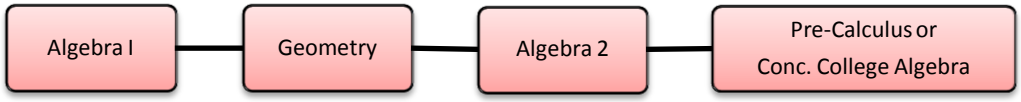


Math Course Progression

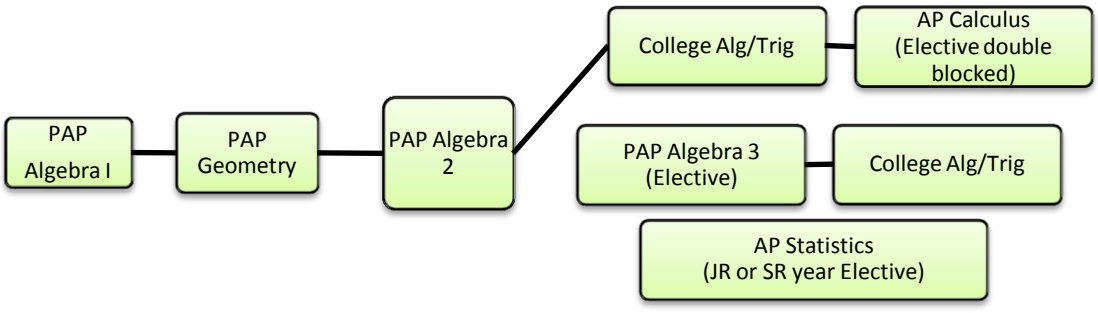
Smart Core Diploma



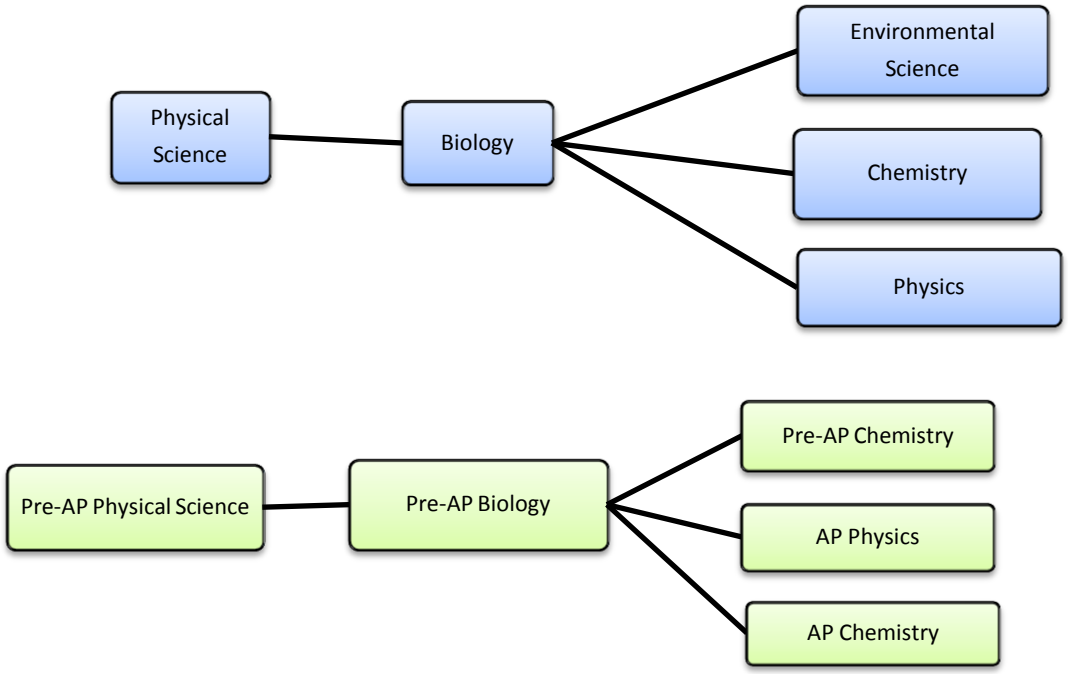
College Prep Diploma



College Prep with Honors Diploma



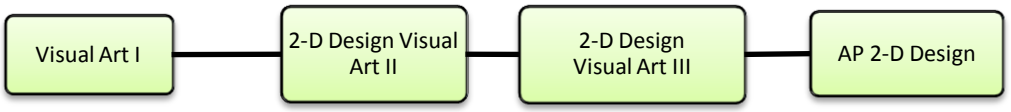
Science Course Progression



AP Biology and Environmental Science can be taken as electives at any time during the junior and senior year.

Visual Arts Course Progression

2-D Design Focus



3-D Design Focus

Drawing/Painting Focus