

Academic Information

Academic Information	1
Arkansas Academic Challenge Scholarship Program	2
Smart Core Curriculum Requirements College Admission.....	2
Semester Examinations, Honor Roll.....	3
National Honor Society, Grading System.....	3
Rank-In-Class	4
Concurrent College and High School Credit.....	5
Arkansas Scholars	5
Athletic Eligibility Standards.....	5
Testing.....	6
Course Changes	6
Graduation.....	7
Diplomas, Homework.....	7
Parent/Teacher Conferences	7
Special Services, Equal Opportunity Assurance.....	7

Instructional Programs

Junior High.....	9
Senior High	
English	12
Speech and Drama	13
Journalism.....	13
World Languages.....	14
Social Studies.....	17
Mathematics.....	18
Science.....	20
East Lab	21
Fine Arts.....	22
Visual Arts, Music	22
Physical Education, Health and Safety.....	23
Career and Technical	24
Business Education.....	24
Marketing Education.....	27
Family and Consumer Sciences.....	28
Technical Education.....	29
Army JROTC.....	30
Western Arkansas Technical Center (WATC)	30
Concurrent College Courses	35

Course Selections

Grade 9.....	36
Grade 10.....	37
Grade 11.....	39
Grade 12.....	41

ACADEMIC INFORMATION
GRADUATION REQUIREMENTS
Class of 2009

23 units minimum

(Only 2 units of P.E. will count toward graduation, with a maximum of one unit per year)

English - 4 units

- ___ English 9
- ___ English 10
- ___ English 11
- ___ English 12

Oral Communication – ½ unit

Social Studies - 3 units

- ___ Social Studies (½ unit of Civics or ½ unit American Government required for graduation)
- ___ American (U.S.) History
- ___ World History

Mathematics – 4 units

- ___ Algebra I
- ___ Geometry

- ___ Math ► Algebra II is required for unconditional admission to Arkansas colleges/universities, Smart Core and/or Arkansas Academic Challenge Scholarship

- ___ Math ► See page 18 for listing of options

Science - 3 units

- ___ Physical Science
- ___ Biology
- ___ Science ► Chemistry or Physics is required for unconditional admission to Arkansas colleges/universities, Smart Core and/or Arkansas Academic Challenge Scholarship

Physical Education - 1 ½ units

(One unit can be ROTC or Marching Band with ½ P.E. required)

Health & Safety - ½ unit

Fine Arts - ½ unit

(Band, Choir, Orchestra, Music Theory, Art, or Survey of Fine Arts)

Only Required for Arkansas Academic Challenge Scholarship

- | | | |
|-----------------------------|---|--|
| ___ Foreign Language Year 1 | } | NOTE: Must be 2 years of the same language |
| ___ Foreign Language Year 2 | | |

NOTE: A student identified as disabled, as per State Department of Education definition of disabled, may be graduated by meeting the requirements above or by completion of his/her IEP (Individual Education Program) as established by the student's programming committee.

ARKANSAS ACADEMIC CHALLENGE SCHOLARSHIP PROGRAM

Regulatory Authority: Ark. Code Ann. 6-82-1001-1006 (Supp. 1991)

The **Arkansas Academic Challenge Scholarship** allows eligible students to receive a four-year scholarship worth up to \$11,750 at any Arkansas public or private college or university. Eligibility is based on your high school grade point average in core curriculum courses and your ACT and/or SAT test scores. Financial need requirements must be met, as well as certification that you are drug-free and intend to stay that way. For more information see your counselor, call 1-800-54-STUDY, or go online at <http://www.adhe.edu/challenge/>

REQUIREMENTS FOR ACADEMIC CHALLENGE SCHOLARSHIP

- English** Four units with emphasis on writing skills, not to include courses in oral communications, journalism, drama or debate.
- Natural Science** Three units, with laboratories, chosen from Physical Science, Biology, Chemistry, or Physics. Only one unit may come from a Life Science.
- Mathematics** Four units, including Algebra I and II, Geometry, and an advanced math course. It is strongly recommended that students take a math course during their senior year.
- Social Studies** Three units, including one of U.S. History (does not include Contemporary American History), one of World History (not to include World Cultures, World Geography, or Global Studies), and at least one-half unit of Civics or American Government.
- Foreign Languages** Two successive units in one foreign language.

NOTE: These requirements differ slightly from the core curriculum requirements for *unconditional admission* to an Arkansas public college or university.

SMART CORE CURRICULUM REQUIREMENTS

UNCONDITIONAL ADMISSION TO ARKANSAS PUBLIC COLLEGES OR UNIVERSITIES

- English** Four units with emphasis on writing skills, not to include courses in oral communications, journalism, drama or debate.
- Natural Science** Three units, with laboratories, chosen from Physical Science, Biology, Chemistry, or Physics. Only one unit may come from Life Science.
- Mathematics** Four units, including Algebra I and II, Geometry, and an advanced math course above Algebra II. It is strongly recommended that students take a math course during their senior year.
- Social Studies** Three units, including one of U.S. History (does not include Contemporary American History), one of World History (not to include World Cultures, World Geography, or Global Studies), and at least one-half unit of Civics or American Government.

Note: These requirements different slightly from the core curriculum requirements for the *Arkansas Academic Challenge Scholarship*.

A student who is preparing to enter college upon graduation from high school should communicate with his/her college of choice to determine specific course, grade point and test score requirements. Northside and Southside follow the State Board of Education's standards for college prep requirements and cannot be responsible for unique differences and changing requirements of colleges and universities.

SEMESTER EXAMINATIONS

A semester examination is administered in every full credit course in grades 10-12. These one and one-half hour examinations are scheduled at the end of each semester. Second semester exams for seniors are administered during regular class periods. A test schedule is posted in advance of the administration of such examinations. Test exemptions may be granted to students who meet attendance and grade standards.

ARKANSAS COMPREHENSIVE TESTING ASSESSMENT AND ACCOUNTABILITY PROGRAM – ACTAAP

In compliance with Arkansas State Law the Arkansas Department of Education has developed the Arkansas Comprehensive Testing Assessment and Accountability Program (ACTAAP). At the high school level this program consists of a literacy test at the end of the junior year and end-of-course tests in Geometry, Algebra I, and Biology to be taken at the completion of those courses. Results of these assessments will become a part of the student's permanent record. Academic Improvement Plans will be developed for students failing to achieve proficiency in any of these assessments. Failure to participate in an Academic Improvement Plan (AIP) will result in a loss of course credit.

Beginning with the 2009-2010 school year, any student who fails to meet the pass rate on the end-of-course assessments (Algebra I & Geometry) and end-of-level 11th Grade Literacy (English) shall not receive credit for the course until the student meets a satisfactory pass level on a subsequent end-of-course assessment, successfully completes an appropriate alternate exit course, or in the case of student a with disabilities, demonstrates alternate competencies as contained in their individualized education plan. Multiple opportunities to pass these exams shall be provided as defined by the Arkansas Department of Education. Any student failing to meet one of these conditions for satisfactory pass shall not be entitled to graduate with a high school diploma from an Arkansas high school or charter school. (ADE Rules Governing the Arkansas Comprehensive Testing, Assessment and Accountability Program 7.03.7)

HONOR ROLL

Pupils enrolled in four or more subjects with a grade point average of 3.0 or higher are listed on the honor roll. A parent or guardian must grant written permission for student names to be published on the honor roll. Honor roll will be published at semester.

NATIONAL HONOR SOCIETY

Election to membership in the National Honor Society is based upon character, leadership, service, and scholarship. A student whose cumulative grade point average is 3.5 or higher and who meets the standards for membership stated in the constitution and by-laws of the organization may be invited for membership. To be eligible for election and to retain membership, a student must be enrolled in four courses. Students meeting eligibility requirements will be inducted in the fall of their junior or senior year.

UNIFORM GRADING SYSTEM and NUMERIC VALUES

A uniform grading scale with numeric values will be used to denote academic achievement in grades 9-12 as follows:

A	90-100	4 points
B	80-89	3 points
C	70-79	2 points
D	60-69	1 point
F	0-59	0 points

These grade scales and values shall be used in all regular classes in all district schools. Special symbols and terms appropriate to special programs may be used to indicate student progress. Exceptional pupils shall be graded in accordance with their individualized education plans and current special education regulations.

Academic grades are determined on a semester basis. Progress grades are issued at nine weeks and other appropriate time periods. Nine-week grades are not terminal grades. At the end of the second quarter, a first semester grade will be assigned. A second semester grade will be assigned at the end of the fourth quarter. Only semester grades will be recorded on a pupil's permanent record. Pluses and minuses are not recorded on the permanent record. Quarterly grades are the mid-semester indicators of student progress and are not recorded on the pupil's permanent record.

The nine-week grades will be based upon many factors which may include, but are not limited to: tests and assignments, both oral and written; class participation; special projects and assignments; research; class activities of various types and items relative to the educational objectives of the class.

A uniform grading scale with numeric values will indicate academic achievement in AP, IB, and approved honors courses as follows:

A	90-100	5 points
B	80-89	4 points
C	70-79	3 points
D	60-69	2 points
F	0-59	0 points

RANK-IN-CLASS

Each graduating senior is assigned a class rank. Class rank is determined by calculating grade point average using the following grading scales (Acts 820 & 1573 of 2007):

Regular Class	Advanced Placement, IB, and Approved Honors
A = 4	A = 5
B = 3	B = 4
C = 2	C = 3
D = 1	D = 2
F = 0	F = 0

All courses (see * below) taken as a part of the school day in grades 9-12 will be counted in this calculation, except those listed below. The only course taken prior to the ninth grade that will count in this calculation is Algebra I. If students have the same total quality points, they will tie for that rank. The following courses will not count in the rank calculation, but will count for graduation.

- * Credits earned in Home School (will be assigned Pass/Fail grades only).
- * Credits earned at any school not fully accredited by a state's education department or one of the state's regional accrediting agencies (i.e., North Central Association) must be approved by the director of secondary education.

All public schools in the State are required to create, store and exchange student transcripts electronically. The electronic transcript system will also be used when submitting transcripts to colleges and universities and to the Department of Higher Education for scholarship programs

CONCURRENT COLLEGE AND HIGH SCHOOL CREDIT

Consistent with Act 1097 of 1991, any student in grades 9-12 who enrolls in and successfully completes a course(s) offered by a publicly supported community college or four-year college or university shall be entitled to receive both college and high school credit, including credit toward graduation. The following regulations will apply to awarding the high school credit.

- ! Simultaneously with college courses taken during the fall and spring terms, an eleventh grader must be taking at least four high school courses which count toward graduation; a senior must be taking three high school courses which count toward graduation.
- ! A student may earn high school credit for college courses taken during the summer terms immediately preceding the ninth, tenth, eleventh, and twelfth grades in high school.
- ! Of the 23 units needed for graduation, a student is expected to earn 17 required units in grades 9-12 in junior high school and senior high school. A student may earn the remaining 6 elective units in college courses.
- ! A student may receive credit for a course required for high school graduation under the following conditions:
 - a. the student requests substitution for a course required for high school graduation with a college course.
 - b. the local high school or the institution of higher education certifies that the content of the college course meets or exceeds the requirements of the high school course.

If the student has an ACT, SAT, or COMPASS score which meets or exceeds the cut-off score for remedial English placement, freshman English may be substituted for English IV.

- Three, four and five hours of college credit will be the equivalent of one-half unit of high school credit. One-hour and two-hour courses will not equate to high school units.
- ! A college course will be recognized as a regular high school course in determining grade point average. Honors credit is not awarded for concurrent courses. Only courses taken at the Western Arkansas Technical Center will count in class rank calculation.
- A student must request high school credit during the semester immediately following the semester in which the college course is taken by submitting official college transcript.

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 annually;
- ! completion of Smart Core Curriculum (beginning with class of 2010)
- ! earn no grade lower than a "C" *
- ! completion of high school in eight consecutive semesters.

Scholars are recognized by the Fort Smith Chamber of Commerce and local employers through a system of awards and incentives, culminating with a luncheon 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.

(*Courses may be re-taken to qualify.)

ATHLETIC ELIGIBILITY STANDARDS

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

JUNIOR HIGH – Grades 7, 8, and 9 (1st Semester)

A student promoted from the sixth to the seventh grade automatically meets scholarship requirements. A student promoted from the seventh to the eighth grade automatically meets scholarship requirements for the first semester. The second semester eighth grade and first semester ninth grade student meet the scholarship

requirements for junior high if the student successfully passed four (4) academic courses the previous semester, three (3) of which shall be in the core curriculum areas specified by the Arkansas Department of Education=s Standards for Accreditation of Arkansas Public Schools.

SENIOR HIGH – Grades 9 (2nd Semester), 10, 11, 12

To be eligible to compete, students must have a 2.0 grade point and pass 4 academic courses. Students who have below a 2.0 grade point but do pass 4 courses may remain eligible by participating successfully in Arkansas Activities Association approved remediation program.

TESTING

Students planning post-secondary education should consider the following testing programs:

American College Testing (ACT)

PLAN - This test is a free comprehensive assessment program designed to improve the post-secondary planning and preparation for all 10th grade students. The test is administered once a year during first semester.

ACT - The predominant college entrance exam in midwestern, western, and southern states, is offered several times a year. This test is required by all colleges and universities in the state of Arkansas. Students are encouraged to take the ACT multiple times during their high school years.

NOTE: Some students may qualify an ACT fee waiver by meeting at least one indicator of economic need listed on the ACT fee waiver form. Ask your counselor for information about these indicators and how to request fee waiver forms.

College Board Testing

Preliminary Scholastic Aptitude Test/National Merit Scholarship Qualifying Test (PSAT/NMSQT) – The PSAT/NMSQT test should be taken during the junior year. The PSAT/NMSQT yields scores in verbal ability and mathematics. A student should take this test before taking the Scholastic Aptitude Test (SAT). The PSAT/NMSQT test has to be taken during the junior year for a student to qualify for the National Merit Scholarship Program. This test is administered once a year in October to those students pre-registering.

SAT I AND SAT II – These tests are offered on specific dates throughout the school year. The SAT I yields scores in critical reading, mathematics, and writing. The SAT II identifies achievement levels in a variety of subjects.

Students should consult a counselor for testing information. There are fees for some of the above mentioned tests.

Advanced Placement Courses

Advanced Placement (AP) courses are designed for college-bound students who want the best preparation for college course work. For a student to receive weighted credit for an AP class, he/she must complete the entire course which is taught by an appropriately trained teacher or one who is under the provision of an additional training plan (ATP). The student must also complete the nationally administered AP exam at the end of the year. Students should check with the college of their choice to determine the college’s AP policies. Students who successfully complete the AP exam can earn college credit that is accepted at most colleges and universities.

COURSE CHANGES

Each spring, students are encouraged to discuss course selections with their parents, teacher-advisors, career mentors, and counselors. Career goals and educational plans should determine course selections that are approved by parents and counselors. Therefore, schedule changes in the fall are allowed only in extraordinary situations and only with administrative or counselor approval.

Students who withdraw from a course after 10 school days will receive an “F” for the semester.

GRADUATION

To be graduated from a Fort Smith high school, a student must have been in attendance at that school during the final semester before graduation and have earned at least two units in that semester.* A student may not take a final requirement in a summer session and satisfy graduation requirements for Fort Smith Schools if all other high school work has been done elsewhere. *Enrollment must occur within the first 10 days of the final semester.

To participate in high school graduation activities or senior class activities, a student must have completed or must be able to complete all graduation requirements by the end of the summer session of the expected graduation year. Therefore, students who lack more than one (1) unit toward graduation may not participate in graduation activities or senior class activities. Upon completion of all graduation requirements, students will receive diplomas.

DIPLOMAS

Upon completion of graduation requirements, the Fort Smith schools award two types of diplomas:

Honors Diploma – meet requirements for graduation; maintain a 3.0 grade average; pass eight units of Pre-AP, AP courses, six units of which must be earned in grades 10, 11, 12.

Diploma – meet requirements for graduation or meet requirements of Individual Education Plan for special education students.

HOMEWORK

Parents and teachers are partners in a student's education. Their joint efforts in assigning and monitoring homework provide opportunities to strengthen the home-school relationship and demonstrate that the home and school are working together for the student's best interest. The importance of education to a child is almost always based on the importance of education to the parent. Homework reinforces and extends student learning and enhances family involvement in the educational process.

PARENT/TEACHER CONFERENCES

Teachers welcome the opportunity to talk with parents about their children and their work. Scheduled conferences are held at the end of the first and third quarter each year. Communication between parents and teachers may occur more frequently when students are not performing at expected levels. All parents and guardians are urged to communicate with teachers in face-to-face conferences or telephone conferences to keep informed of their child's progress in school.

SPECIAL SERVICES

Special education services are provided to any student who is identified as disabled or gifted/talented. In addition, services are provided to students identified as English language learners (ELL).

Alternative educational settings are provided for students seeking high school credit. Primary sources for such credit are The Basic School, Belle Point Center, correspondence courses, and summer school. See a counselor for information.

EQUAL OPPORTUNITY ASSURANCE

The Fort Smith Public Schools assures that no person shall, on the basis of race, color, national origin, sex, or disabled, be excluded from participation in, be denied the benefits of, or be subjected to discrimination under any program or activity receiving federal financial assistance.

EDUCATIONAL EQUITY COMPLAINT RESOLUTION PROCEDURE

I. Purpose: The purpose of the Educational Equity Complaint Procedure is to afford individuals opportunity to seek redress for any real or perceived problem in the area of:

- Title VI (Race) of the Civil Rights Act of 1964
- Title IX (Sex) of the Education Amendment of 1972
- Section 504 (Handicap) of the Rehabilitation Act of 1973

II. Who May Register A Complaint: Complaints concerning equity, as indicated in Section I, may be made by students, parents, legal guardians, employees and any concerned citizen.

III. When Is A Complaint Registered: A complaint may be registered by anyone listed in Section II when a question concerning equity relative to the areas listed in Section I cannot be resolved at the individual school level.

IV. Procedure for Registering a Complaint: An equity complaint by anyone listed in Section II must be made in writing or recorded on tape and submitted to:

- Fort Smith School District
- Equity Coordinator
- P.O. Box 1948
- Fort Smith, AR 72902-1948

Written complaints must be signed and dated. Taped complaints must include the date, and the name and identification of the complaining individual.

V. Procedure for Handling Complaints: Within seven working days after receipt of a complaint, the equity coordinator will appoint a committee composed of a parent, a principal, a teacher, a central office administrator, and a student when appropriate. The central office administrator will act as the chairperson of the hearing committee. The chairperson may conduct the hearing or ask another committee member to do so.

The committee will hold a hearing with the complaining party within fourteen working days of the receipt of the complaint. The hearing will be limited to involved parties only. The chairperson of the hearing committee may rule for an open meeting when appropriate.

The complaining party and the committee shall have an opportunity to present evidence, question parties involved and bring in witnesses. The committee will make a written report of their findings to the superintendent. The superintendent will make a decision based on the findings of the committee. The decision will be in writing and copies will be sent to the complaining party, the president of the Board of Education, the appropriate school principal, and the equity coordinator within thirty working days of receipt of the complaint.

VI. Appeal: The complaining party shall have the right to appeal the decision of the superintendent to the Board of Education by notifying the president. The appeal must be submitted in writing or on tape within fifteen working days of receipt of the superintendent's decision. Written appeals must be dated and signed. Taped appeals must include date taped and the identification of the appealing party.

The president of the Board of Education will convene a meeting within fifteen working days of receipt of the appeal. At least four members of the Board must be present at the meeting. The appealing party and the Board have the right to present evidence, question parties involved and bring in witnesses.

The Board will make a decision based on the evidence presented at the meeting. The decision will be in writing and copies will be sent to the appealing party, the superintendent, the appropriate principal, and the equity coordinator within ten working days of the hearing.

VII. Subsequent Appeals: The complaining party has the right to appeal the decision of the Board of Education. Further appeals must be submitted to the State or Federal agency charged with responsibility in the area covered by the complaint.

VIII. Addresses and Phone Numbers:

Fort Smith School District Equity Coordinator P.O. Box 1948 Fort Smith, Arkansas 72902-1948 Phone Number 785-2501	Arkansas Equity Assistance Center #4 Capitol Mall, Room 402A Little Rock, AR 72202-1071 Phone Number 682-4213
---	--

INSTRUCTIONAL PROGRAMS GRADE 9

Courses listed in this section are available to students in junior high school.

ENGLISH

ENGLISH 9

This study of mechanics and grammar includes sentence structure, parts of speech, spelling/vocabulary, and composition. A survey is made of all types of literature.

ENGLISH 9 (Pre-AP)

This course emphasizes written composition, formal vocabulary, sentence structure, paragraph development, and themes. Mechanics, usage, advanced grammar, and a wide variety of literature are parts of the course.

SPEECH AND JOURNALISM

ORAL COMMUNICATIONS (SEMESTER)

Students learn techniques for effective listening and speaking, group discussion, and effective formal/informal communication.

JOURNALISM I

Students learn to write for print. The course includes a general introduction to the entire field of journalism and preview of career opportunities.

WORLD LANGUAGES

SPANISH I

In this introductory course, pronunciation is stressed; simple conversation is encouraged; vocabulary, grammar fundamentals, and composition are the basis for reading and writing the language. Cultural materials of Spanish-speaking countries are presented.

SOCIAL STUDIES

CIVICS / GOVERNMENT

This course is designed to study the foundations and structure of United States government and the basic rights and responsibilities of citizenship. The role of the individual citizen is emphasized.

CIVICS (Pre-AP)

This course covers the same material as the regular civics course, with additional materials selected to emphasize application of the structure and ideals of United States government to the student's life. Students use organizational, research, and critical thinking skills.

MATHEMATICS

ALGEBRA I

This is a full year course in the study of college-preparatory mathematics. Topics include sets, translating mathematical sentences for problem solving, linear equations, linear inequalities, factoring graphs, and quadratic equations.

ALGEBRA I (Pre-AP)

This is a full year course in the study of college-preparatory mathematics. The course is designed for students with advanced math skills. The topics include sets, translating mathematical sentences for problem solving, linear equations, linear inequalities, factoring, graphs, and quadratic equations.

GEOMETRY

This course is the study of basic concepts of Euclidean geometry dealing with points, lines, and planes. Topics include angles, triangles and other polygons, congruence, similarity, introduction to proof, area and volume, ratio and proportion, circles, right triangle trigonometry, and coordinate geometry. This course is designed for students who do not intend to major in math or science in college.

GEOMETRY (Pre-AP)

This course is a study of the structure of Euclidean geometry with emphasis on formal proofs based on properties and relationships of points, lines, planes, circles, and polygons. Topics include angles, triangles and other polygons, congruence, similarity, area and volume, ratio and proportion, right triangle trigonometry, coordinate geometry, and transformational geometry.

Prerequisite: Algebra I

SCIENCE

PHYSICAL SCIENCE

Physical science is a study of matter and energy and their relationships. Students develop an understanding for matter and the everyday application of physical science principles. Topics include measurement and motion, patterns, and changes in matter, light and sound, and energy resources.

PHYSICAL SCIENCE (Pre-AP)

This course explores the relationship between matter and energy with lab techniques. It is a preparatory course for high school physics, chemistry, and other laboratory science classes that are devoted to laboratory experiences. The class is designed along the inquiry approach rather than the lecture/lab situation. Students should have a good background in the basics of math.

FINE ARTS

GENERAL ART I (GRADES 9-12)

Students learn the basic elements and principles of design and investigate and experiment with various mediums.

BAND

Band students are selected by audition or recommendation of the director. Those enrolled in band are required to participate in all public presentations, parades, contests, and festivals.

HIGH SCHOOL ORCHESTRA

A prerequisite for student participation is one or more years previous training in violin, viola, cello, or string bass. All students must audition and/or have a recommendation by the junior high directors.

ADVANCED GIRLS' CHORUS

This class is open to girls who have been in a choral group previously in a Fort Smith junior high school and have been selected by the director. A wide variety of music is used, ranging from classics and sacred to the popular styles. This group performs frequently in the community.

ADVANCED BOYS' CHORUS

This class is open to boys who have been in a choral group previously in a Fort Smith junior high school and have been selected by the director. A wide variety of music is used ranging from classics and sacred to the popular styles. This group performs frequently in the community.

BUSINESS EDUCATION

COMPUTER APPLICATIONS I (SEMESTER)

In this course, students are expected to master fundamental computer skills necessary to do well in high school and in the workplace. With the teacher acting as a coach and facilitator, students are introduced to word processing, use of scanners, graphics, WordArt, PowerPoint, and simple spreadsheet operations including graphs and charts, and Internet searching and citing skills. Students progress in the course as soon as mastery is demonstrated.

COMPUTER APPLICATIONS II (SEMESTER)

At this level, students are expected to master intermediate computer skills necessary to do well in high school and in most jobs today. Students are introduced to fairly complex word processing and spreadsheet documents. They continue with Internet research, applying it to spreadsheets, charts, graphs and Web pages. The teacher acts as coach and facilitator and the students will progress in the course as mastery is demonstrated.

COMPUTER APPLICATIONS III (SEMESTER)

Students master the computer skills necessary to do well in college and/or that are required in many workplaces. With the teacher as coach and facilitator, students create desktop publishing documents; create access and edit databases; use e-mail efficiently and ethically; and create Web pages. Students conduct Internet research, apply it to advanced electronic presentations and use it to create Web pages.

Prerequisite: Computer Applications II

NOTE: CA I, II, and III are self-directed, self-paced courses in which teachers coach students to expand their computer skills. Advanced students can master multiple levels in one semester while other students may require multiple semesters to master one level. Credit is awarded for the highest course level mastered during a semester. Neither credit nor grade (NG) is awarded to students who fail to master at least one level per semester.

COMPUTERIZED BUSINESS APPLICATIONS

The computer applications introduced in this course are those common in most workplaces: word processing using Word; data base management using Access; spreadsheet usage with Excel; and development of presentation skills using PowerPoint. Students are also introduced to e-mail and Web page design. This course is recommended for those students who need daily structure and supervision to complete work and meet deadlines. This course is taught using a traditional, teacher-led method.

TECHNICAL EDUCATION

EXPLORING INDUSTRIAL TECHNOLOGY I

This course offers students experience in four major areas: manufacturing; communication; construction; energy, power, and transportation. Through laboratory experiences, students actively examine the role of industrial production, communication methods, and energy systems.

PHYSICAL EDUCATION

NOTE: If the class meets off campus, students are responsible for their own transportation.

P.E. Male

P.E. Female

FAMILY AND CONSUMER SCIENCE

NUTRITION AND WELLNESS (SEMESTER) (Ramsey Jr. High only)

Nutrition and Wellness emphasizes the interaction of nutrition, foods, sports, and exercise for lifelong fitness and well-being of individuals and families.



INSTRUCTIONAL PROGRAMS GRADES 10-12

- # This symbol denotes that the course is available at Southside only.
- + This symbol denotes that the course is available at Northside only.

NOTE: Even in those cases where a specific program or course is offered at only one high school (due to facilities or staff limitations), all courses listed in this section are available to students enrolled in senior high school.

ENGLISH (10, 11, 12)

ENGLISH 10 (GRADE 10)

English 10 emphasizes the study of various literary genres and the writing process. In the course of this study, grammar, mechanics, and vocabulary skills will be further developed. A research paper is required.

ENGLISH 10 Pre-AP (GRADE 10)

This course prepares students for the Junior and Senior A.P. English courses by presenting an in-depth study of mechanics, grammar, and composition skills. Also included is a survey of the various literary forms with an emphasis on the mastery of the literary terms and their application in composition. An intensive vocabulary study accompanies both the grammar and literature. Additional instruction on test-taking skills is included through the use of the English computer lab. A research paper may be required. This class requires independent writing and reading.

ENGLISH 11 (GRADE 11)

English 11 includes the study of grammar, mechanics, usage, and sentence structure as they relate to expository writing. College preparatory vocabulary is stressed. Students are taught analytical skills as they read the classics written by American authors. Juniors will complete a research paper.

ENGLISH 11 (Pre-AP) (GRADE 11)

English 11 Pre-AP includes the study of grammar, mechanics, usage, and sentence structure as they relate to expository writing. College preparatory vocabulary is stressed. Students are taught analytical skills as they read the classics written by American authors. Juniors will complete a research paper.

ENGLISH 11 AP LANGUAGE and COMPOSITION

In preparation for Senior English A.P. and college writing, English III A.P. emphasizes writing and reasoning. Students will complete an in-depth analysis of American non-fiction as well as fiction. Students will practice writing argument, exposition, definition, compare-contrast, description and persuasion essays. Students will conduct research to support and enhance their writing. This study of non-fiction and essays prepares students for the Advanced Placement Language Composition Test.

ENGLISH 12 (GRADE 12)

Intensive training in expository writing and a survey of British literature are basic to this course. Students read for ideas and express their own ideas in clear, correct, and forceful writing. The course stresses development of improved study habits, extensive vocabulary, and general reviews of grammar, mechanics, and usage. The senior formal paper is a literary analysis.

ENGLISH 12 Pre-AP (GRADE 12)

Intensive training in expository writing and a survey of British literature are basic to this course. Students read for ideas and express their own ideas in clear, correct, and forceful writing. The course stresses development of improved study habits, extensive vocabulary, and general reviews of grammar, mechanics, and usage. The senior formal paper is a literary analysis. Students develop analytical skills

in exposition and learn to read critically as they survey various British literary works. Students are required to read extensively outside of class. This course is designed to prepare students for college coursework.

ENGLISH 12 AP ENGLISH LITERATURE and COMPOSITION

Through extensive reading and writing, students learn of the resources of language: connotation, metaphor, irony, syntax, and tone. Writing assignments emphasize the critical analysis of literature. Course objectives are designed to prepare students for the literature and composition Advanced Placement exam, which when completed successfully, may provide college credit. Studies include British, American, and world literature.



SPEECH AND DRAMA

ORAL COMMUNICATIONS (SEMESTER) (GRADES 9-12)

Students will learn techniques for effective listening and speaking, and formal/informal communication.

ORAL COMMUNICATIONS II, III, IV (GRADES 10-12)

The course offers opportunities for actual speaking, dramatic/oral interpretation, and performance outside the classroom. Attendance at forensic contests and local and regional competitions is expected.

DRAMA (SEMESTER) (GRADES 10-12)

This course provides experiences in the dramatic arts and/or public speaking designed to develop poise, self-confidence, and communication skills.

DRAMA AND THEATER I (GRADES 10-12)

This course introduces the full scope of theatre experience and skills: mime, improvisation, voice, acting, set construction, lighting, sound, make-up, costumes, analysis, and theatre history.

DRAMA AND THEATER II (GRADES 11-12)

Drama II is an advanced acting, production, and directing class. Portfolios are prepared for college tech and acting students. Students are expected to participate in the production of three shows.

DRAMA AND THEATRE III (GRADE 12)

Drama III is the advanced directing and production course designed to develop leadership skills in the areas of directing, scenic design, analysis, publicity, and set construction.

STAGE CRAFT I, II, III (GRADES 10-12)

Stage Craft is a hands-on production class. Students will construct and paint sets and focus lighting instruments for each production. Students will also use computers to design sets and light effects and to design and publish tickets and show programs.

SPEECH AND DEBATE I (GRADES 10-12)

The national debate topic will indicate the area of research. Building affirmative and negative cases will require research, organization, listening, note taking, reasoning, and speaking. These skills will be taught and sharpened by the competitive nature of the class. Participation in tournaments is required.

SPEECH AND DEBATE II, III (GRADES 11-12)

Intensive research will deal with the current national debate topic. Students apply advanced argumentation strategies. Participation at tournaments is required.

JOURNALISM

JOURNALISM I (GRADES 9-12)

Students learn to write for print. The course includes a general introduction to the entire field of journalism and previews career opportunities.

JOURNALISM II (GRADES 10-12)

This course offers intensive training in effective writing. This class forms the staff of the school newspaper. Facilities are available for training in photography.

JOURNALISM III, IV (GRADES 11-12)

Journalism III & IV are advanced laboratory courses in which writing experience and leadership training are emphasized in publishing the school newspaper. Facilities for training in photography and desktop publishing are available.

YEARBOOK I, II, III (GRADES 10-12)

These courses introduce the basics of yearbook design including copy writing and photography. Production of the publication provides practical experience in the use of desktop publishing to produce camera-ready material. Facilities are available for training in photography production.



WORLD LANGUAGES

FRENCH I (GRADES 10-12)

This course is designed to introduce the student to the basics of the language, history, culture, and countries of the French speaking peoples around the world. The focus is on the acquisition of basic grammar and vocabulary with an emphasis on the student's ability to comprehend and successfully use the language in real-world situations, including being able to communicate through reading and writing.

Prerequisite: Completion of English I with a grade of "C" or better.

FRENCH II (GRADES 11-12)

This course is designed to further a student's ability to communicate and comprehend the language. Further emphasis is placed on reading, writing, speaking, and understanding a broader vocabulary and a deeper study of grammar. Cultures and histories of French speaking peoples is also explored to a greater extent through group and independent projects, the study and tasting of foods, the study of films, and research of specific topics.

Prerequisite: Completion of French I with a grade of "C" or better.

FRENCH II Pre-AP (GRADES 11-12)

This course is designed to prepare a student for Level III French and includes college preparatory materials. Students will practice skills according to the AP format. The course will delve more deeply into the French language, vocabulary, grammatical structures, and literature. An emphasis will also be placed on a student's ability to communicate in more sophisticated ways both in writing and in speaking the language. Students may expect to participate in special projects which focus on the histories and cultures of the French speaking countries around the world. This will include reading, understanding and cooking basic recipes, completing research projects of specific topics such as architecture, viticulture, or historical figures, and the study of French literature and film.

Prerequisite: Completion of French I with a grade of "B" or better.

FRENCH III Pre-AP (GRADES 11-12)

This course is designed to prepare a student for either the AP exam or for college placement / CLEP tests. College materials will be used to augment the recommended texts. The course will emphasize a deep understanding and appreciation of both the language and the French culture through intensive study of grammar, vocabulary, literature, and film. Students will be expected to successfully communicate, both orally and in writing, in French in real-world situations. Students will practice skills according to the AP format. Students will be expected to complete research projects covering specific topics relating to either the history or culture of French speaking peoples. Students wishing to take the AP French exam may do so.

Prerequisite: Completion of French II or French II Pre-AP with a grade of “B” or better.

GERMAN I (GRADES 10-12)

This course is designed to introduce the student to the basics of the language, history, geography, culture, and German-speaking countries. The focus is on the acquisition of basic grammar and vocabulary with an emphasis on the student’s ability to comprehend and successfully use the language in real-world situations, including being able to communicate through speaking and writing.

Prerequisite: Completion of English I with a grade of “C” or better.

GERMAN II (GRADES 11-12)

This course is designed to further a student’s ability to communicate and comprehend the language. Further emphasis is placed on reading, writing, speaking, and understanding a broader vocabulary and a deeper study of grammar. The culture and history of German-speaking people are also explored to a greater extent through group and independent projects, the study and tasting of foods, film, and research of specific topics.

Prerequisite: Completion of German I with a grade of “C” or better.

GERMAN II Pre-AP (GRADES 11-12)

This course is designed to prepare a student for Level III German which includes college preparatory materials. The course will delve more deeply into the German language, vocabulary, grammar, literature, and culture. An emphasis will also be placed on a student’s ability to communicate in more sophisticated ways both in writing and in speaking. Students may expect to participate in special projects which focus on the history and culture of the German-speaking countries. This will include reading, understanding and cooking basic recipes, completing research projects of specific topics such as architecture, or historical figures, and the study of German literature and film.

Prerequisite: Completion of German I with a grade of “B” or better.

GERMAN III Pre-AP (GRADES 11-12)

This course is designed to prepare a student for the AP exam or college placement / CLEP tests. College materials will be used to augment recommended texts. The course will emphasize a deep understanding and appreciation of both the language and the German culture through intensive study of grammar, vocabulary, literature, and film. Students will be expected to successfully communicate in German in real-world situations using oral and writing skills. Students will be expected to complete research projects covering specific topics relating to either the history or culture of German-speaking peoples. Students wishing to take the German AP exam may do so.

Prerequisite: Completion of German II or German II Pre AP with a grade of “B” or better.

LATIN I (GRADES 10-12)

This course is an introduction to the elements of classical Latin. Skills in grammar and syntax aim at an ability to read continuous Latin prose as well as illuminate the mechanics of English vocabulary and grammar. The readings of simple prose and poetry will introduce Roman culture of the late Republican and early Imperial Periods.

Prerequisite: Completion of English I with a grade of “C” or better.

LATIN II Pre-AP (GRADES 11-12)

A continuation of more advanced grammatical and syntactical studies while reviewing basic elements and increasing vocabulary. Content includes unaltered prose selections of original works, simple composition, and an introduction to iambic pentameter.

Prerequisite: Completion of Latin I with a grade of “C” or better.

LATIN III Pre-AP (GRADE 12)

The third year of Latin enables a student to further his comprehension of the language. Through translations of Virgil and other classical authors, the student acquires an understanding of Roman literature and its influence.

Prerequisite: Completion of Latin II Pre-AP with a grade of “B” or better.

SPANISH I (GRADES 10-12)

This course introduces the student to a very basic understanding and interpretation of written and spoken Spanish. Students learn grammar and vocabulary to engage in conversation, provide and obtain information, express feelings and emotions, and exchange opinions. They also learn to present information to listeners or readers on a variety of topics. Spanish I is not for students who have grown up with Spanish as a home language.

Prerequisite: Completion of English I with a minimum grade of “C” or better.

SPANISH FOR SPANISH SPEAKERS (GRADES 10-12)

This course is meant for students who have grown up with Spanish as a home language. Students gain knowledge of authentic language in context, literary selections, and cultural perspectives. They also acquire skills in listening, reading, writing, and speaking and discover how to connect their learning to the community in which they live. They also benefit by discovering the relationship between language, community, and career. This course has three levels: INTRODUCTORY, ONE and TWO.

PLACEMENT EXAMS are available for determining the level of any student who is unsure of their skill level.

SPANISH II (GRADES 10-12)

This course is a continuation of Spanish I. Students will gain knowledge and understanding of the twenty-two Spanish speaking nations and learn to understand the practices and perspectives of people from those cultures. Students will demonstrate an understanding of Spanish by comparing the cultures studied with their own. Spanish II is not meant for students who have grown up with Spanish as a home language.

Prerequisite: Completion of Spanish I with a minimum grade of a “C” or better.

SPANISH III Pre-AP (GRADES 11-12)

This course prepares students for the AP exam or for college placement. College texts are used to supplement the recommended materials. Students will learn to communicate in Spanish in the school and community setting and demonstrate use of Spanish for personal enjoyment and enrichment. All will complete projects covering topics relating to the history or culture of the various Spanish-speaking peoples.

Prerequisite: Completion of Spanish II with a minimum of a “B” or better or prior approval of the Pre-AP teacher.

SPANISH IV AP LANGUAGE (GRADES 11-12)

This is a College Board approved course to further prepare advanced students to take the AP Language Exam. The syllabus for this course includes the use of several college level textbooks in addition to authentic material. All skills are further developed in the language and culture.

Prerequisite: Completion of Spanish III Pre AP- with a minimum of a “B” or better or prior approval of the AP teacher.



SOCIAL STUDIES

WORLD HISTORY (GRADES 10-12)

This course is the study of human cultural development and civilizations from earliest existence to modern times. Consideration is given to the study of cultural heritage to develop an understanding of civilization today. The course concludes with a brief survey of current world events and relationships between the many countries.

WORLD HISTORY Pre-AP (GRADES 10-12)

This course is an intensive analysis of world history. Students explore the global situations in world affairs from pre-history to the present. Research, reading, and note taking skills are essential in this class.

WORLD HISTORY AP (GRADES 10-12)

This course highlights the nature of changes in international frameworks and their causes and consequences, as well as comparisons among major societies. The course is designed for qualified students who wish to complete studies equivalent to an introductory college course in world history.

EUROPEAN HISTORY AP (GRADES 10-12)

Focusing upon European history from 1450 to the present, the study includes an examination of the diplomatic, political, intellectual, cultural, social, and economic history of Europe. Students develop their analytical, research, and writing skills.

AMERICAN (U. S.) HISTORY (GRADES 11-12)

This course presents a brief review of our country's history from arrival of the first Americans to the Civil War (1865). Comprehensive coverage is given from the Reconstruction Period to present day events.

U. S. HISTORY Pre-AP (GRADES 11-12)

This course provides coverage of the nation's history from discovery to the present. The students do an in-depth study of each time period in American history.

U.S. HISTORY AP (GRADES 11-12)

While encompassing the same chronology as the American (U.S.) History course, this course includes discussion and written work that exposes students to a more rigorous level of scholarship. It also helps further develop those skills necessary for successful college performance such as note taking, critical thinking, and discerning historical significance.

CURRENT EVENTS (SEMESTER) (GRADE 12)

The course is a study of the problems facing people today, particularly in relation to local, state, and national governments. Newspapers, news magazines, library research, guest speakers, and other outside sources form the basis for classroom discussion.

U.S. GOVERNMENT AND POLITICS AP (GRADES 10-12)

This course focuses on the foundations of the Constitution and its relationship to democratic theory. Factors influencing political beliefs and actions of parties, interest groups and individuals, as well as the role of government institutions in formulating public policy, are also examined. Analytical reasoning and writing skills are developed in preparation for the Advanced Placement examination.

AMERICAN GOVERNMENT (SEMESTER) (GRADES 10-12)

This course studies the structure of local, state, and national government. Current government activities will be used to illustrate the operation of government.

ARKANSAS HISTORY (GRADES 10-12)

This course will provide a brief study of the history, geography, and early inhabitants of the state of Arkansas. Students will study the social, political and economic back-ground of the state, and the effect that national issues the governmental policies have had on the state. The course includes a study of the history of Fort Smith along with current issues and events relevant to Arkansas.

PSYCHOLOGY (GRADES 10-12) (SEMESTER)

This course is an introduction to the field of psychology, the scientific study of human and animal behavior. Included will be an overview of each of the major subfields in psychology.

PSYCHOLOGY AP (GRADES 11-12)

This course is equivalent to most college level introductory psychology courses and will introduce the student to the systematic and scientific study of human and animal behavior. Areas of study will include origins, research methods, physiological, sensation/perception, motivation, emotion, development, learning, memory, cognition, personality/testing, disorders, therapy, and social psychology. Students will develop their critical thinking, research and writing skills. A major research project may be required.

SOCIOLOGY (SEMESTER) (GRADES 11-12)

Sociology is the scientific study of human interaction and relationships. The course includes instruction in the process of socialization, roles, structure of society, groups, and social stratification. Students study race, ethnic relations, issues within families, education, and religion.

MATHEMATICS

Specific Requirements for:

SMART CORE – 4 units Algebra 1 Geometry Algebra II Choice of: Transitions to College Math, Pre-Cal/Trig, Calculus, Trigonometry, Statistics, Computer Math, Algebra III or an Advanced Placement Math	CORE – 4 units Algebra I Geometry Algebraic Connections Algebra II
--	---

+ ALGEBRA I (GRADES 9-12)

This is a beginning course in the study of college-preparatory mathematics. Topics include sets, translating mathematical sentences for problem solving, linear equations, linear inequalities, factoring, graphs, and quadratic equations.

GEOMETRY (GRADES 9-12)

This course is the study of basic concepts of Euclidean geometry dealing with points, lines, and planes. Topics include angles, triangles and other polygons, congruence, similarity, introduction to proof, area and volume, ratio and proportion, circles, right triangle trigonometry, and coordinate geometry. This course is designed for students who do not intend to major in math or science in college.

GEOMETRY Pre-AP (GRADES 9-12)

This course is a study of the structure of Euclidean geometry with emphasis on formal proofs based on properties and relationships of points, lines, planes, circles, and polygons. Topics include angles,

triangles and other polygons, congruence, similarity, area and volume, ratio and proportion, right triangle trigonometry, coordinate geometry, and transformational geometry.

ALGEBRAIC CONNECTIONS (GRADES 10-12)

This course is designed for students who have completed Algebra I and Geometry. Students will explore content from probability, functions and graphs, statistics, graph theory, investigations and the use of graphing calculators and computers. It is designed for students who are not intending majors in mathematics or science in college, yet want an additional course in mathematics and its applications to real-world situations.

ALGEBRA II (GRADES 10-12)

This course is designed for students who wish to study mathematics beyond geometry with less emphasis on theory and proof. Topics include structure of the real number system, linear functions and relations, polynomials, factoring, rational expressions, radicals and irrational numbers, linear systems, quadratic equations, complex numbers, logarithms, sequences and series, and probability. This course is designed for students who do not intend to major in math or science in college.

ALGEBRA II Pre-AP (GRADES 10-12)

This is a study of systems of real and complex numbers. Emphasis is placed on structure, proof, and precision of language. Topics include linear functions and relations, matrices, polynomials, factoring, rational expressions, radicals and irrational numbers, linear systems, quadratic equations, complex numbers, logarithms, sequences and series, and probability.

ALGEBRA III (GRADE 11-12)

This course is designed for students who have successfully completed Algebra II and need a math background for college but are not yet ready for the rigor of PreCalculus. This course will enhance the higher level thinking skills developed in Algebra II through a more in-depth study of Algebra II concepts and exploration of some pre-calculus concepts. Concepts include the study of various functions, modeling, sequences and series and some trigonometry topics.

PRECALCULUS/TRIGONOMETRY Pre-AP (GRADES 11-12)

This course is a study of trigonometry and advanced algebra beyond Algebra II and Geometry. Topics include circular functions, inverses, graphs, sinusoidal variation, identities and conditional equations, solution of triangles, vectors, polar coordinates, complex numbers, algebraic functions, exponential and logarithmic functions, techniques of equation solving, matrices and determinants, sequences and series, probability, and curve sketching.

TRANSITION TO COLLEGE MATHEMATICS (GRADE 12)

Building on previous courses in Algebra I, Geometry, and Algebra II, this course will bring about a deeper understanding of previously learned mathematical concepts. Linear functions, exponential functions, real-world models, and probability and statistics are the major areas emphasized. This course will prepare students for college level mathematical logic and reasoning skills. (Prerequisite: Algebra II)

CALCULUS AP AB/BC (GRADE 12)

These courses are for students who have a thorough knowledge of college- preparatory mathematics, including Precalculus/Trigonometry. Topics include elementary functions, limits, differential calculus, and integral calculus as defined in the College Board Advanced Placement Course Description.

AP STATISTICS (GRADES 11-12)

This course provides college level work in statistics using a curriculum provided by the College Board. The course ends in an advanced placement test for college credit. The statistics curriculum will include collecting, analyzing, and drawing conclusions from data as well as probability. Technology and hands on practical experience will be utilized throughout the course. Students should have a thorough knowledge of Algebra II.



SCIENCE

NOTE: The **SMART CORE** option requires **Chemistry or Physics**

EARTH SCIENCE (GRADES 11-12)

This course creates a greater awareness of the physical aspects of the earth. Students are introduced to a wide range of earth topics: map reading, identification of rocks and minerals, earthquakes, volcanoes mountain ranges above and below the oceans, and the solar system.

ENVIRONMENTAL SCIENCE (GRADES 10-12)

Environmental Science (with lab) provides a study of the nature of life science; the interrelationships among living things and their environment, cycles, ecosystems, and populations; and natural and man-made systems and their problems and solutions.

BIOLOGY (GRADES 10-12)

Biology is a study of organisms from simple through complex forms. The study includes the use of the microscope, dissection, and laboratory experiments. The nature of pathogenic organisms and the diseases they produce will be included.

BIOLOGY Pre-AP (GRADES 10-12)

This is an intensive course designed to enhance the knowledge, lab skills, and study habits needed to be successful in AP Biology II or any first year college biology course. Students will cover the regular biology class.

BIOLOGY AP (GRADES 11-12)

The course is comparable to college level general biology. Course content progresses from the study of the biochemical and physiological aspects of the cell to the study of the complete plant or animal. This is a two-hour course. Chemistry I and Pre-AP Biology are recommended prerequisites.

ANATOMY AND PHYSIOLOGY (Pre-AP) (GRADES 11-12)

Human anatomy and physiology is the study of structure and function of the human body organ systems. Students who plan to enter any of the medical fields should consider taking this course.

Prerequisite: Grade of A or B in Biology or Grade of A, B, or C, in Biology Pre-AP.

OCEANOGRAPHY (GRADES 11-12)

This is an advanced scientific study of the plants, animals, and other organisms that live in the ocean. The main topics of study will include principles of marine science, life in the ocean, structure and function of marine ecosystems, and human impact on the marine environment.

Prerequisite: Recommend a grade C or better in Pre-AP Biology or a grade B or better in Biology.

CHEMISTRY I (Grades 10-12)

This course develops an understanding of the basic concepts underlying the principles of chemistry. In the laboratory examples of chemical behavior are explored. This course is college preparatory. It does provide information which makes a better understanding and appreciation of our environment possible.

Recommended Prerequisites: Completion of Algebra I and Geometry with a grade B or higher. Concurrent enrollment in Algebra II or higher is recommended.

CHEMISTRY I Pre-AP (Grades 10-12)

Chemistry is the study, in the classroom and laboratory, of matter and the changes it undergoes. This course is designed as a preparation for AP Chemistry or first year college chemistry. This course is similar to Chemistry I, but covers more concepts and is faster-paced.

Recommended Prerequisites: Completion of Pre-AP Physical Science, Pre-AP Geometry, and Pre-AP Algebra I with grades of B or higher.

CHEMISTRY AP (GRADES 11-12)

This course is the equivalent of freshman chemistry in college. Lab work is emphasized with experimentation utilizing volumetric glassware and modern instrumentation. Considered in depth will be topics of chemical kinetics, equilibria, thermodynamics, and atomic and molecular theory and structure. This is a two-hour block course.

Recommended Prerequisites: Completion of Algebra II and Pre AP Chemistry with grades of B or higher.

+ PRINCIPLES OF TECHNOLOGY I (GRADES 11-12)

This course is a rigorous yet practical course for students planning technical careers. It provides an understanding of the principles of technology and the mathematics associated with them. Many hands-on laboratories help students learn to adapt to the changing demands of the workforce. Content areas include force, work, rate, resistance, energy, power and force transformers. This course is also known as Principles of Technology.

NOTE: Credit for PT I and PT II is equal to a credit in Physics.

+ PRINCIPLES OF TECHNOLOGY II (GRADE 12)

In this continuation of Applied Physics I, students study momentum, waves and vibrations, energy converters, transducers, radiation, fiber optical systems, lasers and time constants. Units are divided into four subsystems: mechanical, fluid, electrical and thermal.

NOTE: Credit for PT I and PT II is equal to a credit in Physics.

CONCEPTUAL PHYSICS (GRADES 10-12)

In conceptual physics, students learn essential concepts of physics through demonstrations, laboratory work, and discussion. Careful gathering and analysis of quantitative data is stressed. Some of the topics covered in this course are mechanics, electricity and magnetism, sound and light.

PHYSICS Pre-AP (GRADES 11-12)

Physics is concerned with the relationship between energy and matter. It incorporates such major topics as the study of mechanics, thermo-dynamics, optics, electromagnetism, and atomic physics. Concurrent enrollment in Pre-AP Algebra II is recommended.

AP PHYSICS B (GRADE 12)

This is a traditional college-level introductory course in algebra-based physics. Its broad scope includes mechanics, heat, electricity and magnetism, waves and optics, and modern physics. It meets in two hour blocks, five days per week. The minimum math requisite is concurrent enrollment in Trig/Pre-Cal or higher.

Recommended Prerequisite: Pre-AP Chemistry or Pre-AP Physics with a grade of B or better.

EAST LAB

EAST (Environmental and Spatial Technology) Lab I, II, III (GRADES 10-12)

This is a course in which students use state of the art computer hardware and software tools to engage in a project-based approach to problem solving. Emphasis is placed on student responsibility for learning, personal initiative, development of critical thinking skills, enhancement of communication skills, and willingness to help others. The students are often the instructors and the teacher's role is that of facilitator rather than information giver. Students are expected to assist one another in learning to use appropriate tools and resources. Resources include software tutorials, user manuals, Internet, peers,

facilitator, and the EAST FORUMS. Students work independently and in teams to solve “real world” problems that may involve one or more of the following areas: computer network systems administration, computer-aided design, 3-D modeling, animation, engineering design, architectural design, surveying and mapping with global positioning systems, geographic information systems, Visual BASIC programming, database applications, Web page design, and digital photo edition.

FINE ARTS

SURVEY OF FINE ARTS (SEMESTER) (GRADES 10-12)

Students explore various aspects of art, music, drama, and architecture in their cultural history. This course is designed as an introduction to humanities.

VISUAL ARTS

GENERAL ART I, II (GRADES 9-12) (SEMESTER COURSES)

Students learn the basic elements and principles of design; investigate and experiment with various media.

+ ART I (GRADES 10-12)

Students learn the basic elements and principles of design and experiment with diverse media. The class is designed for those who are planning to take Drawing and Painting I, and for those who want to pursue further their study of Art.

COMMERCIAL ART I (GRADES 10-12)

Students do graphic design, lay-out, and lettering related to commercial advertising. Portfolios are required.

Prerequisite: Successful completion of General Art I

COMMERCIAL ART II (GRADES 11-12)

Advanced illustrating and design techniques and creative advertising methods are studied.

COMMERCIAL ART III (GRADE 12)

Continued study in illustrating and design techniques with an emphasis on portfolio preparation for scholarship application.

CRAFTS (GRADES 10-12) (FULL YEAR at SHS; SEMESTER COURSE at NHS)

Students experience a range of two-and three-dimensional media while learning skills and terminology involved in various craft fields, such as weaving, ceramics, and stained glass. This course is designed for the artist-hobbyist.

Prerequisite: Successful completion of General Art I

DRAWING AND PAINTING I (GRADES 10-12)

The course is for students wanting to advance their artistic knowledge and skills for personal development. A concentration on realism is carried throughout the entire program. Methods and media may include pencil, colored pencil, watercolor, oil and/or acrylic.

Prerequisite: Successful completion of General Art I.

DRAWING AND PAINTING II (GRADES 11-12)

Students study advanced methods and techniques of drawing and painting.

+ AP STUDIO ART (GRADE 12) The AP Studio class is designed specifically for students pursuing a career in the visual arts. The AP student will complete one of two portfolios: A Drawing Portfolio or a 2-D Design Portfolio. The student must complete a minimum of 24 pieces and/or a maximum of 29 pieces of art for this class. If a student completes and submits the portfolio for the AP testing and receives a “2” or higher, he/she will receive AP credit and the new class rank and GPA will be adjusted.

Prerequisite: Drawing and Painting I and Drawing and Painting II.



MUSIC

BAND (GRADES 9-12)

Band students are selected by audition or recommendation of the director. Those enrolled in band are required to participate in all public presentations, parades, contests, and festivals.

NOTE: 1 unit of Marching Band may count as P.E. credit.

ORCHESTRA (GRADES 9-12)

A prerequisite for student participation is one or more years previous training in violin, viola, cello, or string bass. All students must audition and/or have a recommendation by the junior high directors.

MIXED CHORUS (GRADES 10-12)

Students are selected by audition or the director's recommendation. The group studies a wide variety of vocal styles and techniques and performs frequently for community activities.

+ CHORUS I (GRADES 10-12)

The class is available to all students who enjoy music.

CHORUS II (GRADES 10-12)

This class is available to all students who enjoy music. This course may include the singing of three and four-part literature with emphasis on interpretation and improvement of vocal production and music reading ability.

MIXED ENSEMBLE (GRADES 11-12)

Students who are enrolled in mixed chorus are eligible to audition for this group which participates frequently in community activities. The course of study includes various periods of music history.

AP MUSIC THEORY (GRADES 11-12)

This course prepares students for a career, college, and the A.P. Music Theory exam. Study ranges from scales and key signatures to the study of harmonic organization and analysis. Written exercises, sight-singing, and ear training form the basis of instruction. Musical knowledge and skills are prerequisite.

PHYSICAL EDUCATION, HEALTH and SAFETY

NOTE: If a class meets off-campus, students are responsible for their own transportation.

The following P.E. (Physical Education) courses provide an extensive array of physical activities for every student. These activities develop each student's skill, interest, and appreciation for life-long learning, activity, and recreation.

P.E. (Grade 10)

P.E. (Semester) (Grades 10, 11, 12)

P.E. (Grade 11)

P.E. (Grade 12)

HEALTH / SAFETY (GRADES 10-12) (SEMESTER)

This course emphasizes the understanding and prevention of disease. It creates an awareness of special health problems and the medical effects of a socially changing climate. It encourages students to develop strong minds and bodies through positive behavioral changes and good health habits.

CAREER AND TECHNICAL

WORKPLACE READINESS (GRADES 10-12) (SEMESTER)

This course teaches the employability skills needed to succeed in a high-performance work organization including identification and use of resources, developing appropriate interpersonal skills, accessing information, understanding work systems and utilizing technology in the workplace.

+ JOBS FOR AMERICA'S GRADUATES (JAG) (GRADES 11-12)

JAG's goal is to ensure student graduation and preparation for workplace success whether the student's career begins immediately upon high school graduation, entry into military service, or requires completion of postsecondary education/training. Enrollment in a CTE program of study is required and a JAG internship component is optional.

+ PERSONAL FINANCE (GRADES 10-12) (SEMESTER)

The intent of this personal finance course is to inform students how individual choices directly influence occupational goals and future earnings potential. Real world topics covered will include income, money management, spending and credit, as well as saving and investing. Students will design personal and household budgets, utilize checking and saving accounts, gain knowledge in finance, debt, and credit management and evaluate and understand insurance and taxes. This course will provide a foundational understanding for making informed personal financial decisions.

+ INTERNSHIP (GRADES 11-12)

Internships are designed to help students in any CTE program of study successfully transition from high school to a related career field. Students must demonstrate competencies in individualized work experiences.

BUSINESS EDUCATION

NOTE: Students who enroll in any business course will have the opportunity to participate in Future Business Leaders of America. Outstanding students may be asked to represent their school in district, state, or national competitions.

INTRODUCTION TO FINANCE (GRADES 10-12) (SEMESTER)

This course focuses on the individual's role and financial responsibilities as a student, citizen, consumer, and active participant in the business world.

WORD PROCESSING I (GRADES 9-12) (SEMESTER)

Students are provided with entry-level skills in word processing concepts, operations, text manipulations, and production of business documents. Students are trained in mechanics of punctuation and grammar; format, style and proofreading; and in editing and reviewing business documents.

Prerequisite: Keyboarding

WORD PROCESSING II (GRADES 9-12) (SEMESTER)

Emphasis in this course is on production of business documents and applications, including formats, creating and maintaining files, repetitive documents, revising and printing.

Prerequisite: Word Processing I

COMPUTERIZED ACCOUNTING I (GRADES 10-12)

Computerized Accounting is a two-semester course with emphasis on basic accounting principles as they relate to both manual and computerized financial systems. Instruction is on an integrated basis using computers and electronic calculators as the relationships and processes of manual and computerized accounting are presented. Entry-level skills in the accounting occupations can be attained. Students who meet specific requirements in this course can earn college credit through articulation with UAFS.

COMPUTERIZED ACCOUNTING II (GRADES 11-12)

Computerized Accounting II provides students with the knowledge, understanding, and skill necessary for successful careers in accounting. Partnership as well as departmental, corporate and cost accounting systems are components of the course. Emphasis is given to the computerized/automated functions in accounting.

Prerequisite: Computerized Accounting I

ENTERPRISE MANAGEMENT I (GRADES 10-12) (SEMESTER)

This one-semester course is designed to introduce students to the American Enterprise System by focusing on the concepts and practices of small business ownership and management. Students will have the opportunity to start and operate their own business and participate in a business plan competition sponsored by the Innovation and Entrepreneurial Center.

ENTERPRISE MANAGEMENT II (GRADES 10-12) (SEMESTER)

This one-semester course continues the study of business concepts and practices. Students will continue to operate their business and learn first hand the success and risks involved in business ownership. At the end of this semester, the students will present their success stories to local entrepreneurs and receive awards based on the successes of their business.

Pre-requisite: Enterprise Management I

OFFICE MANAGEMENT (GRADES 11-12)

Students learn office management and supervision skills in a simulated office environment. Students improve their basic office skills such as word processing, records management, and business communications. Decision making, critical thinking, teamwork and business ethics are also taught.

Prerequisite: Computer Applications I, Word Processing, or Business Applications

BUSINESS LAW I (GRADES 10-12) (SEMESTER)

Business Law is designed to acquaint the student with some of the legal problems and rights encountered in business transactions. This course will include: introduction to law, introduction to criminal law, personal injury law, torts, elements of contracts, marriage and divorce, using credit, commercial paper, and ethics.

BUSINESS LAW II (GRADES 10-12) (SEMESTER)

Business Law II is designed to further acquaint the student with legal issues and rights encountered in business transactions. This course will include: ethics, bankruptcy, property law, employment law, insurance, wills, estates, and trusts, and consumer protection.

Prerequisite: Business Law I

OFFICE EDUCATION COOPERATIVE (GRADES 11-12)

This course teaches use of current technology and communications, ergonomics, human relations, records management, and the basics of management and supervision. A part-time supervised work experience in an office is required. This experience is for advanced business education students who attend school part of the day and work in a business office for the remainder of the day.

Prerequisite: Word Processing I, II, or Computer Applications I, II, III, or Computer Business Applications

BUSINESS COMMUNICATIONS (GRADES 10-12) (SEMESTER)

This one-semester course is designed to provide students with the communication skills needed in business careers. The course includes both written and oral communications relating to business

activities and is directed toward understanding the language of nonverbal communication and improved listening skills, reading, voice usage, and writing skills. Emphasis is given to developing competencies in fundamentals, such as spelling, punctuation, grammar, vocabulary, sentence and paragraph structure, English usage, and proofreading. Applications in writing all types of business documents are valuable components of the course. Students gain competencies in writing, thinking, organizing ideas, writing clearly and concisely, and displaying tact and courtesy in writing. Technological advancements relating to information, communication, and telecommunications are given emphasis.

DESKTOP PUBLISHING I (GRADES 10-12) (SEMESTER)

Students use personal computers to produce high quality printed documents. Desktop publishing includes page composition, layout, design, editing, and a variety of printing options.

Prerequisites: Word Processing, Computerized Business Applications, or Computer Applications

DESKTOP PUBLISHING II (GRADES 10-12) (SEMESTER)

Students learn to analyze information and audience in order to choose the appropriate visual signals to communicate a message effectively. Applied principles are used to organize information, set up a design structure and produce special visual expressions.

Prerequisite: Desktop Publishing I

MULTIMEDIA I (GRADES 11-12) (SEMESTER)

Students gain advanced experience in using multimedia to merge text, graphics, video and sound. Applied principles are used to analyze and organize information, set up a design structure and produce special visual expressions.

Prerequisite: Word Processing or Computerized Business Applications or Computer Applications

MULTIMEDIA II (GRADES 11-12) (SEMESTER)

Students learn to use multimedia to merge text and graphics, and to edit and dub video and sound. Applied principles are used to analyze and organize information, set up a design structure and produce special visual expressions. Students develop an interactive multimedia presentation with academic core integration.

Prerequisite: Multimedia Applications I

COMPUTER APPLICATIONS I (GRADES 9-12) (SEMESTER)

In this course, students are expected to master fundamental computer skills necessary to do well in high school and in the workplace. Word processing, use of scanners, graphics, WordArt, PowerPoint, and simple spreadsheet operations including graphs and charts are presented. Internet searching and citing skills are introduced. With the teacher acting as coach and facilitator each student may progress through the course as mastery is demonstrated.

Prerequisite: Keyboarding

NOTE: CA I, II, and III are self-directed, self-paced courses in which teachers coach students to expand their computer skills. Advanced students can master multiple levels in one semester while other students may require multiple semesters to master one level. Credit is awarded for the highest course level mastered during a semester.

COMPUTER APPLICATIONS II (GRADES 9-12) (SEMESTER)

At this level, students are expected to master intermediate computer skills necessary to do well in high school and in most jobs today. Students are introduced to fairly complex word processing and spreadsheet documents and they continue their Internet research, applying it to spreadsheets, charts, graphs and Web pages. The teacher acts as coach and facilitator as the students progress as quickly as mastery is demonstrated.

Prerequisite: Computer Applications I

COMPUTER APPLICATIONS III (GRADES 10-12) (SEMESTER)

Students master the computer skills necessary to do well in college and that are required in many workplaces. With the teacher as coach and facilitator, students create desktop publishing documents;

create, access and edit databases; use e-mail efficiently and ethically; and create Web pages. Students do Internet research, applying it to advanced electronic presentations and to creation of Web pages. Students may progress as quickly as mastery is demonstrated. Prerequisite: Computer Applications II
COMPUTERIZED BUSINESS APPLICATIONS (GRADES 9-12)

This year long course is designed to prepare students with an introduction to business applications that are necessary to live and work in a technological society. Emphasis is given to hardware, concepts, and business uses of applications. The business applications covered are word processing, database, spreadsheet, telecommunications, presentation, and Web page design. Prerequisite: Keyboarding + **PROGRAMMING I, II (SEMESTER) (GRADES 10-12)**

Students are taught Visual BASIC to code instructions for business applications.

MANAGEMENT (GRADES 11-12)

This course assists the student in understanding basic business and management functions. Students study the management process, decision making, environmental factors, business ethics, and social responsibility. Planning, organizing, leading, and controlling are emphasized as well as basic concepts of business and management, staffing, leadership, communications, entrepreneurship, financing, and international business.

AP COMPUTER SCIENCE A (GRADES 11-12)

This course emphasizes object-oriented programming using the Java language with a concentration on problem-solving and algorithm development. Topics include class design, inheritance, and Java library classes as outlined in the College Board Advanced Placement Course Description. Students should have an excellent foundation of mathematical reasoning before attempting this course. Pre- or Co-requisite: Pre-calculus/Trigonometry and Keyboarding

MARKETING EDUCATION

NOTE: Students who enroll in marketing education will have the opportunity to participate in DECA. Outstanding students may be asked to represent their school in district, state, or national competitions.

MARKETING (GRADES 11-12)

Marketing provides students with the fundamental concepts, principles, skills, and attitudes common to the field of marketing. Instruction will focus on market types, market analysis, consumer types, planning, promotion, buying, pricing distribution, finance, trends and careers. If a student participates in the on-the-job training component of this course, the marketing coordinator (teacher) will develop a list of competencies to be taught on the job and the competencies must be related to the student's career objective and must coordinate with classroom competencies.

MARKETING MANAGEMENT (GRADE 12)

Decision-making skills are developed through the application of marketing and management principles. The course will focus on organization, finance, risks, credit, technology, and social aspects. If a student participates in the on-the-job training component, the marketing coordinator (teacher) will develop a list of competencies to be taught on the job and the competencies must be related to the student's career objective and must coordinate with classroom competencies.

+ FASHION MERCHANDISING (SEMESTER) (GRADES 10-12)

This course offers an overview of the fashion industry and provides the foundation for a wide variety of careers available in fashion. Emphasis is given to historical development, textiles, manufacturers, merchandising, domestic and foreign markets, accessories, and retailing.

FAMILY AND CONSUMER SCIENCES

NOTE: Students are provided the opportunity to participate in Future Career and Community Leaders of America. Outstanding students may be asked to represent their school in district, state, or national competitions.

FAMILY AND CONSUMER SCIENCES (GRADES 10-12)

Students are provided with basic information and skills needed to function effectively within the family and within a changing, complex society. Emphasis is given to individual and family relationships; arrangement of personal living space; wardrobe planning and selection; garment care and construction; selection of toys and age-appropriate play activities for children; health and safety procedures related to child care; nutrition and food selection; meal planning, preparation and service; home management; money management; use of credit and banking; consumer education; computer use at home, in school and in the workplace; and career skills.

+ FAMILY DYNAMICS (GRADES 10-12)

Family Dynamics focuses on the role for the family in helping individuals develop to their highest potential, in strengthening the community, and in addressing concerns of global society. Emphasis is given to dynamics of family life, life relationships, responsible parenting, crisis management, civic responsibility, food and fitness, housing, career planning, and new technologies and trends affecting families.

+ HUMAN RELATIONS (GRADES 10-12) (SEMESTER)

Students learn skills needed in order to build and maintain successful relationships in the home, community and workplace. They will gain a better understanding of self; know how to communicate effectively; how to establish and maintain effective relationships with family members, peers, and others.

CLOTHING MANAGEMENT (GRADES 10-12) (SEMESTER)

Emphasis in this course is given to clothing selection; clothing needs of family members; wardrobe planning; clothing care; characteristics of natural and synthetic fibers; types of fabrics and fabric finishes; laws and regulations related to the clothing and textile industry; use and care of basic sewing supplies and equipment; fabric selection; clothing construction techniques, jobs and careers, computer use and effects of technology on the clothing and textiles industry.

Recommended Prerequisite: Family and Consumer Science

FOOD AND NUTRITION (GRADES 10-12) (SEMESTER)

This course focuses on skills needed to select, prepare, and serve food which meets nutritional needs of individuals and families. Students study nutrition, weight control, the food consumer, the 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.

Recommended Prerequisite: Family and Consumer Science

+ PARENTING (GRADES 10-12) (SEMESTER)

Experiences in this course are designed to assist students in developing an understanding of the parenting process and of parenting skills. It will be useful to anyone who lives with, associates with, or works with children. This course will teach students skills necessary to provide quality care for children - as a parent, as one employed to care for children or as one who interacts with children in other settings.

ORIENTATION TO TEACHING (GRADES 10-12)

Students are provided with information and experiences in the field of education. Students plan and direct individualized instruction and group activities, prepare instructional materials, assist with accountability measures, and complete other responsibilities of classroom teachers. The students hear from a variety of education professionals and are provided opportunities for observations in a full range of education career roles, grade levels, subject areas and ability groups.

CHILD DEVELOPMENT (GRADES 10-12) (SEMESTER)

This course focuses on skills related to the study of children, pregnancy and prenatal development, birth and the newborn, types of growth and development, stages of growth and development, rights and responsibilities of parents and children, factors influencing the behavior of children, selection of child-care services, health and safety of children, children with special needs, coping with crises, the effects of technology on child development, and related careers.

HOUSING AND INTERIOR DESIGN (GRADES 10-12) (SEMESTER)

The focus of this course is given to skills 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 furnishings and appliances; energy conservation; jobs and career opportunities in housing and interior design; and the effect of technology on housing.

PERSONAL & FAMILY FINANCE (GRADES 9-12)

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, individual and family scenarios, and the use of FCCLA Financial Fitness projects. Emphasis is given to the development of competencies related to life goals and decisions, preparing to earn, understanding your paycheck, financial planning and banking, insurance, credit, consumer skills and housing and transportation costs. Upon successful completion of this course, students will have the ability to handle financial responsibilities effectively now and in their future.

TECHNICAL EDUCATION

NOTE: Students enrolling in Construction or Furniture Manufacturing will have the opportunity to participate in Skills U.S.A. Students who have outstanding abilities may be chosen to compete in local, regional, state, and national competitions.

+ FURNITURE MANUFACTURING I (GRADES 10-12)

This course emphasizes basic woodworking technology. An emphasis is placed on wood and wood products, forestry, reading drawings, and career opportunities. Safe use of hand tools, power tools, and stationary industrial machines will be taught through practice, tests, and applied through project production.

+ FURNITURE MANUFACTURING II (GRADES 11-12)

This two-hour course is designed to advance a student's skills in furniture production processes and equipment. More in-depth study of furniture design, drawing, and planning as well as advanced wood

jointery will be introduced. Students are expected to individually produce required small furniture items prior to pursuing more challenging projects of their choice.

Prerequisite: Furniture Manufacturing I

+ FURNITURE MANUFACTURING III (GRADE 12)

This two-hour course for third-year students offers the application of all aspects of furniture design and construction. The 32mm system and expanded jointery methods are taught. Larger, more complex furniture projects that include doors, drawers, and industrial hardware are required.

Prerequisite: Furniture Manufacturing II

+ CONSTRUCTION TECHNOLOGY (GRADES 10-12)

This class will follow the curriculum established by the National Center for Construction Education and Research (NCCER). Skills in carpentry, electrical and plumbing will each be taught. Safety practices are a priority.

ARMY JROTC

NOTE: One (1) unit of JROTC may substitute for one (1) unit of physical education.

+ INTRODUCTION TO LEADERSHIP EDUCATION & TRAINING (GRADES 10-12)

LET-I includes: Citizenship in Action; Leadership Theory and Application; Foundations for Success; Mandatory Core Service Learning; Leadership lab and cadet challenge.

+ INTERMEDIATE LEADERSHIP EDUCATION & TRAINING (GRADES 11-12)

LET-II includes: Wellness, Fitness, and First Aid; Geography and Earth Science (Map Reading); Citizenship in American History and Government; Mandatory Core Service Learning; Leadership lab and cadet challenge.

Prerequisite: Completion of LET I with a grade of C or better and Senior Army Instructor's approval.

+ APPLIED LEADERSHIP EDUCATION & TRAINING (GRADE 12)

LET III includes: Citizenship in Action (Basic Command Staff Principles); Leadership Theory and Application (Leadership Strategies, Leading Others); Foundations for Success (Presenting Skills, Managing Conflict, Career Planning, Planning Skills and Social Responsibility, NEFFE High School Financial Planning Program); Citizenship in American History and Government (Critical Thinking in Citizenship); Mandatory Core Service Learning; Leadership lab and cadet challenge.

Prerequisite: Grade of C or better in LET-II and Senior Army Instructor's approval.

**+ JROTC STAFF (GRADES 11-12) (PRACTICUM) **

The battalion commander supervises the staff (executive officer, personnel, training/operations, supply management, public relations, and computer support) to support the cadet corps. The command sergeant major assists the battalion commander with enlisted cadet matters. Additional members may be added to the staff based on need.

Prerequisite: By invitation only from Senior Army Instructor.

WESTERN ARKANSAS TECHNICAL CENTER (WATC)

Approved 11th and 12th graders who have demonstrated appropriate interests and aptitudes for health or technical careers and who have established good attendance and discipline records may be eligible to enroll in WATC programs.

High school students who attend WATC enroll in a specific sequence of courses in or related to health occupations or areas of technology. The student's program of study includes courses in a career major as well as related and supporting academic courses that lead to a certificate, an AAS degree or occupational certification. College credit is awarded to students by the University of Arkansas – Fort Smith and 1.5 Carnegie Units are awarded by the student's high school for each semester completed successfully. (Credit is posted on both transcripts.) Tuition, books, fees and equipment are provided at no cost to the student. Students must have parental permission and counselor or administrative approval to enroll in the half-day WATC programs. For detailed information about the programs offered, call Western Arkansas Technical Center at 788-7713. Students must commit to completing each semester's coursework. Students may not drop any part of the program within the semester. If the student chooses to drop the WATC program after the first 10 days of the semester, he/she will receive an F, and be rescheduled at their sending high school.

Automotive Technology (Morning and Afternoon Sessions Offered)

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.

Courses include:

Automotive Theory and Maintenance*	Braking Systems
Automotive Electrical Systems	Suspension and Steering
Intro to Transmissions and Drive Trains	Automotive Engines
Emission Control Systems	Automotive A/C & Heating

*NOTE: This course must be passed with a "C" or better to continue in the automotive program.)

Computer Aided Drafting and Design (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 CADD program will have strong math ability as well as mechanical and visual aptitude.

Courses include:

Engineering Graphics I*	Engineering Graphics II
CAD-2D Design Level I*	CAD-2D Design Level II
Color	Digital Layout I – Foundation
Digital Design I – Foundation	Digital Design II – Advanced

*NOTE: This course must be passed with a "C" or better to continue in the CADD program.)

Criminal Justice

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 UA Fort Smith. 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.

- Intro to the Criminal Justice System
- Legal Aspects of Law Enforcement
- Computer Applications for the Knowledge Worker
- Courts and Criminal Procedure
- Introduction to Law
- Introduction to Forensic Science
- Introduction to Sociology
- Basic Life Support
- Total Fitness
- Criminology
- First Aid
- Criminal Law

Early Childhood Education (Morning and Afternoon Classes)

This two-year program provides students with the knowledge and skills to serve as an effective early childhood provider or teaching assistant. Students successfully completing their first year are eligible to receive a CDA certificate.

Courses include:

- | | |
|---|--|
| Foundations of Early Childhood Education | Child Development |
| Developmental Appropriate Practice in Early Education | First Aid |
| Art in the Early Childhood Education Classroom | Color |
| Beginning Conversational Spanish I | Health & Safety |
| Beginning Conversational Spanish II | Computer Applications for the Knowledge Worker |

Electronic 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. At the completion of this two-year program, successful students will earn a technical certificate in computer maintenance. 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 | Visual Basic Programming |
| PC Systems Troubleshooting | Digital Fundamentals |
| Fundamentals of Electricity | Circuits and Components |
| Electronic Fabrication | Digital Communication |
| Solid State | |

Graphic Design

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. 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
Color
Printmaking I

Production Techniques
Introduction to Typography
Advertising Design I
Digital Illustration

HEALTH CAREERS

The WATC Health Careers program provides students with both classroom and clinical experiences taught by highly qualified instructors. Four health care majors are offered from which students select their specialty.

General Health and Certified Nursing Assistant (CNA) (GRADE 12) (Morning and Afternoon Classes 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 C N A certification. Designed for high school seniors.

Courses include:

Intro to Health Sciences
Nurse Assisting

Medical Terminology
First Aid

NOTE: Students may incur the expense of a smock or lab coat and satisfactory footwear.

Emergency Medical Technician (EMT) (GRADE 12)

This is an introductory program of emergency service systems and the basic principles of emergency care. Students completing the one-year EMT program are eligible to take the National Registry EMT-Basic written and practical examinations. (Students must be 18 years old to take this exam.)

Courses include:

Intro to Health Sciences
Basic Anatomy & Physiology

Medical Terminology
Emergency Medical Technology - Basic

NOTE: Students will accompany EMTs on ambulance runs. Some evening or Saturday time may be required.

Advanced Health

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:

First Year

Fall Semester

Intro to Health Sciences

Medical Terminology

Spring Semester

First Aid

Basic Anatomy & Physiology

Second Year

Fall Semester

Chemical Principles

General Psychology

Spring Semester

Anatomy & Physiology I

Computer Applications for the Knowledge Worker

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

Digital Information Management

Professional Development

Digital Office Communication

Data Entry Applications

Professional Office Organization

Medical Terminology

Basic Anatomy & Physiology

Customer Focused Organization

Office Procedures

Workplace Computations

Professional Office Project

Records Management

Electronic Communication

Administrative Assistant Project

Electronic Bookkeeping

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 and a certificate of proficiency in Computer Applications. They will also be eligible to sit for the Microsoft A+ certification exam. The IT program is competency-based. Each IT course has specific course outcomes which are measured with authentic assessments. Students must achieve a minimum of 75% on each authentic assessment to continue in the course.

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:

Survey of Information Technology	Computer Applications for the Knowledge Worker
PC Systems Troubleshooting	Operating System Concepts
Network Client Support	Logic & Design
Web Site Design	Network Fundamentals
	IT Project Tools

Pre-Engineering (GRADE 12)

This one-year pre-engineering program introduces high school seniors to the scope, rigor, and discipline of mechanical 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. This program is reserved for seniors who have appropriate college-level placement scores.

Courses include:

Intro to Engineering I	Intro to Engineering II
Engineering Graphics I	CAD-2D Design
Logic and Design	Introductory Chemistry

Welding (both morning and afternoon classes offered)

In the WATC welding program, students learn basic and advanced welding in four areas: Arc, TIG, MIG, and Layout and Fabrication. Students' welding skills must meet the AWS certification test standards for structural welding. Successful students earn welding certificates of proficiency. Welders need good eyesight, hand/eye coordination, and manual dexterity.

Courses include:

Arc Welding, Basic	Arc Welding, Advanced
Layout and Fabrication – Sheet Metal	Layout and Fabrication – Structural & Pipe
MIG Welding - Basic	MIG Welding - Advanced
TIG Welding – Basic	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.

CONCURRENT COLLEGE COURSES (GRADES 11-12)

Students may receive high school credit for designated college courses. Student must enroll through their high school counselors and assume all costs for academic courses. (See page 5 for additional information.)

