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**2009 – 2010**

**Bartlesville High School**

**and**

**Bartlesville Mid High School**



**Course Offerings**

**Grades 9 - 12**

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## BARTLESVILLE HIGH SCHOOL

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Bartlesville, OK 74003  
(918) 336-3311

TERI BRANT, Principal  
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## BARTLESVILLE MID HIGH SCHOOL

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Bartlesville, OK 74006  
(918) 333-4444

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## CURRICULUM - COURSE OFFERINGS 2009-2010

The information provided in this book has been prepared to assist each student in developing a long-term program of academic preparation and to select the courses for the upcoming school year. A study of the course offerings reveals the diversity of the curriculum and the many options and alternatives which have been developed. These allow each student to individualize the course of study chosen so that personal objectives may be met.

At least two (2) units of the last three (3) units completed for graduation must be completed while attending Bartlesville High School. Students who lack more than one unit of required credit for graduation from Bartlesville High School will not be permitted to participate in the graduation exercises.

Students must adhere to all graduation requirements of the State of Oklahoma. The superintendent is directed to establish regulations which support this policy.

All students are required to be enrolled in six or more periods for credit. Junior and senior students who elect to enroll at Tri-County Technology Center must be enrolled in three or four periods at the high school in addition to their courses at Tri-County Technology Center for a minimum of six periods.

## COURSE SELECTIONS

Decisions should be firm. Students and their parents should carefully consider the curriculum offerings prior to determining course selection. The counselor will assist students and parents in pre-enrollment and in planning for the future. Consideration should be given to each of the following:

- Prerequisites
- Prior successes and failures
- Special interests and aptitudes
- Post-high school plans
- Specific graduation requirements

## SCHEDULE CHANGES

### Changing Classes

The class schedule for the 2009-2010 school year will be constructed to fit the needs indicated by spring pre-enrollment. Therefore, students may change their schedules during the first two weeks of school for the following reasons **only**:

- To make up failures
- Computer error
- Outside credit earned
- Misplacement due to lack of prerequisite or background
- Balancing class sizes

### Dropping a Class

Beginning with the eleventh day of each semester, **courses which are dropped will be noted on the transcript as withdraw fail (WF) or withdraw pass (WP)**. Students who enroll in courses after the first ten (10) days of school will receive **No Credit (NC)** for the **semester** as a general policy. This regulation applies to students who enroll for the first time after ten (10) days of school if these students bring no prior credit for the semester, and to currently enrolled students who would drop a class after the first ten (10) days in class. However, the building principal may use discretion to review **any** case and render a decision that is in the best interest of a student and that is consistent with the goals and philosophy of the school district.

## REPEATING COURSES

Students may repeat any course which they have previously completed with a passing grade. Credit, however, will not be extended toward the minimum units required for graduation, and the grades made in the repeated courses will not replace prior grades. **Grades for the repeated courses will only be used in computing the student's cumulative grade point average.**

## CONCURRENT ENROLLMENT

Qualified eleventh-grade or twelfth-grade students may have the opportunity to be enrolled concurrently in high school and college courses. Tuition is free for up to six (6) hours at public colleges or universities, but there is a cost for fees and books. Students must meet current state

concurrent enrollment guidelines. College courses taken through concurrent enrollment will not count toward high school credit.

Each student choosing to enroll concurrently is responsible for contacting the college and enrolling in the appropriate course(s). This enrollment must be verified by submitting a copy of his or her college class schedule to his or her counselor. The student's counselor may check with the registrar at the college to verify the student is enrolled. A concurrently enrolled student must submit his or her semester grades to the appropriate BHS counselor at the end of each semester. This allows BHS to provide sound academic guidance to each student.

**Students must have a qualifying ACT score to enroll in college courses.**

## EARLY GRADUATION

Students who wish to graduate prior to the completion of eight semesters of high school attendance should file a written request with the senior high principal no later than one full semester before the graduation date.

## CORRESPONDENCE COURSES

Correspondence courses approved by the building principal and from an accredited institution may be counted toward graduation requirements to allow students to graduate at their proper time in reference to their initial enrollment in high school (four years from that date). However, correspondence courses may not be used to expedite early graduation. A maximum of two (2) units of credit may be earned by correspondence.

## SUMMER SCHOOL AND NIGHT SCHOOL

Credit may be applied toward graduation. The student must have a signed approval form from a principal or counselor.

## SPECIAL PROGRAMS

Non-traditional classes are available to students being enrolled through Curriculum Access Resource Guide (CARG-A and CARG-M). This requires written team approval.

Non-traditional classes that require committee and/or principal approval include the Alternative High School and on-line courses.

Gifted education is provided for those students identified as intellectually gifted. These students are served through Advanced Placement, Pre-Advanced Placement, and Honors courses at the High School level.

"All programs, positions, and services (curricular or extracurricular) in the Bartlesville Public Schools are open to persons regardless of sex, race, religion, marital status, national origin, or political affiliation; provided, however, participation rights may be withdrawn for disciplinary reasons (unbecoming conduct, violation of rules or laws, etc.)."

BHS Student Handbook

## BARTLESVILLE HIGH SCHOOL GRADUATION/ENROLLMENT REQUIREMENTS

The Board of Education of Bartlesville School District makes every effort to maintain high standards of performance in the public schools while maintaining sensitivity to the individual needs, abilities, and interests of the students. The graduation policy was developed to establish minimum standards for graduation, to encourage maximum participation in the availability of opportunities, and to insure compliance with state regulations.

So that students may fully enhance their social, physical, and intellectual maturity, it is expected that each student will spend four years in high school prior to graduation. Only in very exceptional cases may a student be allowed to graduate with less than four years in high school. Senate Bill 982 was signed into law and requires students entering the ninth grade in the 2006-2007 school year to enroll in a college preparatory curriculum.\* Students must complete the following:

### College-Preparatory Curriculum

4 units of English to include Grammar, Composition, Literature, or any English course approved for college admission requirements;
3 units of laboratory science, limited to Biology, Chemistry, Physics, or any laboratory science course with the content and/or rigor equal to or above Biology and approved for college admission requirements;
3 units of mathematics, limited to Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus, Advanced Placement Statistics, or any mathematics course with content and/or rigor above Algebra I and approved for college admission requirements;
3 Social Studies: 1 unit United States History ½ unit United States Government ½ unit Oklahoma History 1 unit World History
2 units of the same foreign language or non-English language, or 2 units of computer technology approved for college admission requirements whether taught at a high school or a technology center school, including computer programming, hardware, and business computer applications such as word processing, databases, spreadsheets, and graphics, excluding keyboarding or typing courses;
1 additional unit selected from the courses listed above or career and technology education courses approved for college admission requirements; and
One unit or set of competencies by inclusion of fine arts, such as music, art, or drama, or one unit of speech
7 Electives
<b>Total: 23</b>

\*A student may enroll in a non-college preparatory curriculum upon the approval of the student's parent or legal guardian. School districts may require parents to meet with school officials prior to this enrollment. The State Department of Education will provide schools with a form to be used for this purpose. High schools will be required to report the number of students whose parents choose a non-college preparatory curriculum.

### State Requirement Curriculum

4 Language Arts:	1 unit grammar and composition, <b>and</b> 3 units selected from American Literature, English Literature, World Literature, and Advanced English Courses
3 Mathematics:	1 unit Algebra I, <b>and</b> 2 units selected from Algebra II, Geometry, Trigonometry, Math Analysis or PreCalculus, Calculus, Statistics and/or Probability, Mathematics of Finance, and Computer Science
3 Science:	1 unit Biology I, <b>and</b> 2 units selected from Chemistry I, Physics, Biology II, Chemistry II, Physical Science, Earth Science, Environmental Science, Botany, Zoology, Physiology, Astronomy, or Applied Science (Biology/Chemistry, Physics, and Technology)
3 Social Studies:	1 unit United States History ½ unit United States Government ½ unit Oklahoma History ½ unit World History, <b>and</b> ½ unit World Geography <b>OR</b> 1 unit of World History
	2 units or <b>sets of competencies by inclusion</b> (Includes Visual Art and General Music)
10 Electives	
<b>Total: 23</b>	

A *Carnegie Unit* of credit is given for the successful completion of a course that meets 40 minutes a day, five days per week, for at least 36 weeks, or the equivalent of 120 clock hours within the school year. *Sets of competencies* are the skills and competencies specified in the Priority Academic Student Skills, or other skills and competencies adopted by the State Board of Education. Rigor means a level of difficulty that is appropriate for the grade level and that meets state and national standards. Contextual methodology means academic content and skills taught by utilizing real-world problems and projects in such a way that helps students understand the application of knowledge.

Each student who completes the instruction for English II, English III, United States History, Biology I, Algebra I, Geometry, and Algebra II at the secondary level shall complete an end-of-instruction test in order to graduate from high school. All students shall take the tests prior to graduation, unless otherwise exempt by law. Student entering the ninth grade are required to score proficient or advanced on the Algebra I and the English II EOI tests as well as two of the remaining five tests. Ninth-grade and tenth-grade students shall be afforded the opportunity to retake the tests three times each calendar year. Eleventh-grade and twelfth-grade students shall be afforded the opportunity to retake the tests once prior to graduation. School districts shall report the highest achieved state test performance level on the end-of-instruction tests on the student's high school transcript. Any student in the middle school level who completes the instruction in a secondary course in the aforementioned subjects shall be administered the appropriate end-of-instruction test. Students transferring into Oklahoma who have completed instruction in the aforementioned subjects prior to Oklahoma enrollment shall be exempt from end-of-instruction tests in subjects for which instruction has been completed.

**SAMPLE FORM**  
**For students who choose not to enter a college-preparatory curriculum**

Senate Bill 982 was passed by the Oklahoma Legislature and signed into law by Governor Henry on June 7, 2005. The law requires eighth grade students entering the ninth grade in the 2006-2007 school year to complete the college preparatory curriculum in SB 982, unless the student's parent or legal guardian approves the student to enroll in the existing state high school graduation requirements. The options for the existing state graduation requirements and new college preparatory curriculum are attached. Successful completion of either curriculum will result in accomplishment of a standard diploma.

Choosing the courses a student takes in high school is an important decision for you and your student. With your input, courses chosen for a student's career pathway can give him or her a head start on career and education success. A college preparatory curriculum is challenging and may help determine a student's future success in higher education and the world of work. Students who take a college preparatory curriculum designed to prepare them for both college and career have more opportunities. In addition, high school students who enroll in a career pathway at a technology center and meet eligibility requirements have the opportunity to earn college credit while in high school. This opportunity has been made possible through a new Cooperative Alliance between the State Regents for Higher Education and the Oklahoma Department of *CareerTech*.

Please complete the information below and return it to the office of your child's principal or school counselor prior to enrollment. **According to the law, if you do not select the existing state high school graduation requirements, your child will automatically be enrolled in the new college preparatory curriculum.** Please contact the school principal or school counselor if you have questions or need information on local graduation requirements.

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As the parent or legal guardian, I am selecting the following curriculum for my student:

**Check one:**

College preparatory curriculum in SB 982

State graduation requirements

Student's Name (print) \_\_\_\_\_ Grade \_\_\_\_\_

Name of High School \_\_\_\_\_

Parent/Guardian's Name (print) \_\_\_\_\_

Parent/Guardian's Signature \_\_\_\_\_ Date \_\_\_\_\_

Parent/Guardian's Mailing Address \_\_\_\_\_

Daytime Telephone Number: \_\_\_\_\_

## GRADUATION WITH HONORS

To earn honor distinction in a particular discipline, students must complete the course of study outlined by the chart below **and must earn an unweighted GPA of 3.0 or higher in each discipline considered for honor distinction.** Students who complete at least one honors track will wear a gold tassel at graduation and special recognition will be printed on the graduation program.

English	English 9 Grammar and Composition Pre-AP English 10 World Literature Pre-AP or English 10 Literature & Composition Pre-AP English 11 English Language and Composition AP English 12 English Literature and Composition AP
Mathematics	Algebra I Honors Geometry Honors Algebra II Honors Pre-Calculus Pre-AP And at least <u>one</u> of the following: Calculus AB AP Calculus BC AP Statistics
Computer Science	Four units of mathematics <b>and</b> Computer Science AP with a minimum grade of C in Computer Science AP
Science	Biology I Honors Chemistry I Honors <b>and at least two of the following:</b> Biology II AP Chemistry II AP Physics AP
Foreign Language	Foreign Language I Foreign Language II Foreign Language III Honors or Pre-AP Foreign Language IV AP
Art	Three units of Art which must include Art V <b>AND</b> Art VI AP
History	U.S. History AP U. S. Government & Politics AP
Psychology	Three units of social studies <b>and</b> Intro to Psychology <b>and</b> Psychology AP with a minimum grade of C in Psychology AP
Music	Four units of performing musical arts (i.e., band, orchestra, chorus, select choir) <b>and</b> Music Theory AP with a minimum grade of C in Music Theory AP

# THE COURSES TO TAKE

## Bartlesville High School Graduation Worksheet

### FRESHMAN YEAR

### SOPHOMORE YEAR

1st Semester	2nd Semester		1st Semester	2nd Semester
English	English		English	English
Math	Math		Math	Math
Science	Science		Science	Science
Social Studies			Social Studies	Social Studies
Alternate	Alternate		Alternate	Alternate
Alternate	Alternate		Alternate	Alternate

### JUNIOR YEAR

### SENIOR YEAR

1st Semester	2nd Semester		1st Semester	2nd Semester
English	English		English	English
Math	Math		Social Studies	
Science	Science			
Social Studies	Social Studies			
Alternate	Alternate		Alternate	Alternate
Alternate	Alternate		Alternate	Alternate

## High School Core Curricular Requirements for Oklahoma Four-Year Colleges and Universities Admission of First-Time-Entering Students

<b>English</b>	4 units	Grammar, composition, literature
<b>Mathematics</b>	3 units	Algebra I, Algebra II, geometry, math analysis, trigonometry, pre-calculus, calculus, Advanced Placement Statistics
<b>Laboratory Science</b>	3 units	Biology, chemistry, physics, or any lab science certified by the school district
<b>History and Citizenship Skills</b>	3 units	Including 1 unit of American history and 2 units from the subjects of history, government, Geography, economics, and/or non-Western culture
<b>Other</b>	2 units	From any of the subjects above or computer science or foreign language
<b>Total</b>	15 units	

Four additional units are also recommended for college preparation: 1 unit of mathematics, 1 unit of laboratory science, and 2 units of speech or fine arts (music, art, or drama). First-time entering students must meet assessment requirements before enrolling in college-level courses. See the State Regents' *Assessment Policy* for more information.

### Admission Standards FIRST-TIME ENTERING STUDENTS

#### Minimum Oklahoma High School Performance Criteria for Admission of First-Time-Entering Students

	<u>Option 1</u> Minimum ACT/SAT	<u>Option 2</u> Minimum GPA and Class Rank	<u>Option 3</u> Minimum GPA in the 15-Unit Core
<b>University of Oklahoma</b>	24/1090 <b>AND</b> 3.0 GPA or top 50%	3.0 GPA <b>AND</b> top 25%	3.0 GPA <b>AND</b> ACT 22 or SAT 1020
<b>Oklahoma State University</b>	24/1090	3.0 GPA <b>AND</b> top 33%	3.0 GPA <b>AND</b> ACT 21 or SAT 980
<b>University of Science and Arts of Oklahoma</b>	22/1020	3.0 GPA <b>AND</b> top 50%	3.0 GPA <b>AND</b> Act 19 or SAT 900
<b>Regional Universities</b>	20/940	2.7 GPA <b>AND</b> top 50%	2.7 GPA
<b>Community Colleges</b>	No minimum required		

The required ACT score is the composite score without the writing component. The required SAT score is the combined critical reading and mathematic score without the writing component.

# NCAA CLEARINGHOUSE REQUIREMENTS

*For Students Interested in Athletic Scholarships for Division I or II Colleges or Universities*

**Academic Eligibility Requirements**  
[www.ncaa.org/library/general/cbsa/](http://www.ncaa.org/library/general/cbsa/)

## Division I

For students entering any Division I college or university, your NCAA initial eligibility will be evaluated. You must:

- Graduate from high school
- Complete these **16 core courses**:
  - 4 yrs of English
  - 3 yrs of math (algebra I or higher)
  - 2 yrs of natural or physical science (including 1 yr of lab science if offered by your high school)
  - 1 extra year of English, math or natural or physical science
  - 2 yrs of social science
  - 4 yrs of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy\*)
- Earn a minimum 2.0 GPA in core courses; and
- Earn a combined SAT or ACT sum score that matches your core-course GPA and sliding scale in next column.

## Division II

For students entering Division II college or university, your NCAA initial eligibility will be evaluated. You must:

- Graduate from high school
- Complete these **14 core courses**:
  - 3 yrs of English
  - 2 yrs of math (algebra I or higher)
  - 2 yrs of natural or physical science (including 1 yr of lab science if offered by your high school)
  - 2 extra years of English, math or natural or physical science
  - 2 yrs of social science
  - 3 years of extra core courses (from any category above, or foreign language, non-doctrinal religion or philosophy\*)
- Earn a minimum 2.0 GPA in core courses; and
- Earn a combined SAT score of 820 or ACT sum score of 68. There is no sliding scale in Division II.

\*May use computer science if credit is through the mathematics or science department. Residual tests cannot be used.

## Core GPA and Test Score Index for Division I

Core GPA	SAT	ACT
3.550 & above	400	37
3.525	410	38
3.500	420	39
3.475	430	40
3.450	440	41
3.425	450	41
3.400	460	42
3.375	470	42
3.350	480	43
3.325	490	44
3.300	500	44
3.275	510	45
3.250	520	46
3.225	530	46
3.200	540	47
3.175	550	47
3.150	560	48
3.125	570	49
3.100	580	49
3.075	590	50
3.050	600	50
3.025	610	51
3.000	620	52
2.975	630	52
2.950	640	53
2.925	650	53
2.900	660	54
2.875	670	55
2.850	680	56
2.825	690	56
2.800	700	57
2.775	710	58
2.750	720	59
2.725	730	59
2.700	730	60
2.675	740-750	61
2.650	760	62
2.625	770	63
2.600	780	64
2.575	790	65
2.550	800	66
2.525	810	67
2.500	820	68
2.475	830	69
2.450	840-850	70
2.425	860	70
2.400	860	71
2.375	870	72
2.350	880	73
2.325	890	74
2.300	900	75
2.275	910	76
2.250	920	77
2.225	930	78
2.200	940	79
2.175	950	80
2.150	960	80
2.125	960	81
2.100	970	82
2.075	980	83
2.050	990	84
2.025	1000	85
2.000	1010	86

## NCAA CLEARINGHOUSE CERTIFICATION

**Graduate from high school.** You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. After six 6 semesters of high school credit, you will apply on-line to start the process. The web address is [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net). The Clearinghouse will issue a preliminary certification report when you have had all your materials submitted. After you graduate, if your eligibility information is requested by a member institution, the Clearinghouse will review your final transcript to make a final certification decision according to NCAA standards.

### NCAA CLEARINGHOUSE APPROVED CORE COURSE

#### English

American literature  
American literature AP  
Basic English 9  
Basic English 10  
Basic English 11  
Basic English 12  
British literature  
Debate  
Drama  
English 9 grammar/composition  
English 9 grammar/composition PreAP  
English 10 world literature  
English 10 world literature PreAP  
English 10 literature/composition  
English 10 literature/composition PreAP  
English 11 language/composition AP  
English 12 literature/composition AP  
English literature  
English literature AP  
Journalism I  
Journalism II  
Speech

#### Mathematics

Algebra I  
Algebra II  
Algebra II Hon  
Applied math II  
Applied math III  
Basic algebra I  
Basic geometry  
Calculus AB AP  
Calculus BC AP  
College algebra/trig  
Computer Science AP  
Geometry  
Geometry Hon - 9<sup>th</sup> grade  
Pre-calculus PreAP  
Statistics/AP

#### Social Science

Current events  
Basic Oklahoma history  
Basic US history  
Basic world geography  
Basic world history  
Cold War  
Economics  
Geography  
Government  
Government AP  
Introduction to Psychology

#### Social Science con't

Oklahoma History  
Psychology  
Psychology AP  
Sociology  
US history  
US history AP  
US history 1850-present  
US Government & Politics AP  
World History  
World History I and II

#### Natural/Physical Science

Anatomy and physiology/lab  
Basic biology I/lab  
Basic earth science/lab  
Basic environmental science/lab  
Basic physical science/lab  
Biology I/lab  
Biology I/lab Hon  
Biology II/lab AP  
Chemistry I/lab  
Chemistry I/lab Hon  
Chemistry II/lab AP  
Chemistry in the community/lab  
Environmental science/lab  
Natural biological science/lab  
Physical science/lab  
Physics/lab  
Physics B/lab AP  
Physics inquiry/lab

#### Additional core course

Chinese I  
French I  
French II  
French III  
French III PreAP  
French IV AP  
French V AP  
German I  
German II  
German III  
German III PreAP  
German IV  
German IV AP  
Spanish I  
Spanish II  
Spanish III  
Spanish III PreAP  
Spanish IV AP  
Spanish V AP

## Oklahoma's Promise OKLAHOMA HIGHER LEARNING ACCESS PROGRAM

### ELIGIBILITY REQUIREMENTS

To be eligible to enroll in Oklahoma's Promise, a student must meet the following requirements:

- The student must be a resident of the State of Oklahoma
- The student must be enrolled in the 8<sup>th</sup>, 9<sup>th</sup>, or 10<sup>th</sup> grade.
- The income of the student's parent(s) from taxed and untaxed sources for the most recently completed federal tax year must not exceed \$50,000 (second income screen at \$100,000 for students entering college in 2009 and after).

### **High School Requirements:**

The following requirements must be completed by the time the student graduates from high school:

- A. The student must have at least a 2.5 cumulative GPA for all course work attempted in grades 9 through 12.
- B. The student must also complete the following 17-unit core curriculum and achieve at least a 2.5 cumulative GPA for the 17-unit core curriculum.

**Remember: You, the student, are ultimately responsible for completing the program requirements.**

**Students must strictly follow the curriculum listed below. Be aware that some courses that qualify for high school graduation requirements do not qualify for Oklahoma's Promise requirements.**

4	<b>English</b> (grammar, composition, literature; courses should include an integrated writing component)
3	<b>Lab science</b> (Biology, Chemistry, Physics or any lab science certified by the school district; General science with or without a lab may <b>not</b> be used to meet this requirement.)
3	<b>Mathematics</b> (Algebra I, Algebra II, Geometry, Trigonometry, Math Analysis, Calculus, Advanced Placement Statistics)
3	<b>History and Citizenship skills</b> (including 1 unit of American History and 2 additional units from the subjects of History, Economics, Geography, Government and/or Non-Western Culture.)
2	<b>Foreign or non-English language</b> (two years of the same language)  <b>OR</b>  <b>Computer Technology</b> (two units in programming, hardware, or business computer applications such as word processing, databases, spreadsheets, and graphics will qualify. Keyboarding or typing classes do not qualify.)  <b>(1 foreign language &amp; 1 computer course will not meet this requirement.)</b>
1	<b>Additional Course</b> of any of the subjects listed above
1	<b>Fine Arts</b> (music, art, drama) or <b>speech</b>
17	Total Units Required

The student must also agree to:

- Attend school regularly and do homework regularly;
- Refrain from substance abuse;
- Refrain from criminal or delinquent acts;
- Have school work and school records reviewed by an appropriate school official;
- When requested, provide information to the Oklahoma State Regents for Higher Education or the State Board of Education; and participate in program activities.

[Note: Compliance with conduct standards will be based upon the local school district's policy.]

## **BUSINESS**

### **Accounting I**

*Course Number: 2111*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: None*

Accounting students will learn to plan, keep, and analyze financial records. Accounting procedures covered will include those for all types of businesses. Students will learn to maintain financial records, interpret financial statements, and analyze elements of accounting essential to the operation of a **business**. This course is recommended for all students for its value in keeping both personal and business financial records and especially for students who are going to pursue a career in business. Included in the curriculum is the learning and use of automated accounting software and procedures

### **Accounting II**

*Course Number: 2112*

*Semesters: 2*

*Grade Level: 12*

*Prerequisite: Accounting I*

This course is for students who desire a further study of accounting, entry-level job skills, and effective personal financial management skills; learning activities are directed toward management decision-making. The course begins with a comprehensive review of the accounting cycle. Payroll tax records, cost accounting, inventory control, depreciation, and corporate and management accounting are emphasized. It is especially recommended for students planning to major in business. Included in the curriculum is the learning and use of automated accounting software and procedures.

### **Advanced Business Computer Applications**

*Course Number: 2128*

*Semesters: 1*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: Keyboarding and BCA*

This course is an in-depth study of the advanced features of word processing, spreadsheets, databases, and presentations. Students will use the Internet, scanner, and digital camera as tools to enhance and enrich course work. Curriculum will include Microsoft Office software.

### **Business Computer Applications**

*Course Number: 2127*

*Semesters: 1*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: Completion of Keyboarding or concurrent enrollment in Keyboarding*

This course is an introduction to word processing, spreadsheets, databases, and presentations and the integration of these applications. Curriculum will include Microsoft Office software, the most popular integrated software package today. This course is recommended for both college-bound students and those ready to enter the workplace. Oklahoma colleges and universities consider this to be a core course.

### **Business Dynamics**

*Course Number: 5001*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

Want to know about the real world? This class is designed to address vital information about real-world activities. Students will examine their roles as workers, consumers, and citizens. Areas covered will include human relations, insurance, personal finance and investing, and career exploration. The real world is the business world. Prepare for the real world – today.

### **Business Law I**

*Course Number: 2150*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

Do you know your rights if you are stopped by a law enforcement officer? We want students to be informed of their rights and obligations in business and personal legal dealings. We will review the law as it relates to our daily lives and have discussions and updates on current events and cases in law. The court system, criminal and civil law, and valid contracts will be subjects of our study.

For further study of the law and legal applications, we suggest students enroll in Business Law II.

### **Business Law II**

*Course Number: 2151*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: Business Law I*

This course is designed to help students better understand the legal world in which they live. Students will expand their vocabulary and sharpen their abilities to think critically, analytically, and systematically by looking at real-life problems and actual cases that have been decided by the courts. Students will be better equipped to recognize legal problems, utilize professional counsel, and make decisions by weighing the rights of all involved. Current cases and events in the news will be the basis of discussions.

### **Desktop Publishing**

*Course Number: 2557*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: Keyboarding*

Students will use Microsoft Publisher, In Design, and Photoshop to produce business documents such as flyers, calendars, leaflets, and items. Students will be able to format photos, manipulate graphics,

and use color design to create professional documents.

## Entrepreneurship

*Course Number: 2231*

*Semesters: 1*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: None*

Are you a risk-taker? Would you enjoy a lively course that is guaranteed to help you understand what you read and hear about business? Learn about the free enterprise system and use this knowledge to organize and operate a class business. Students will be responsible for all aspects of the business and gain invaluable information about supply, demand, problem solving, decision making, and other economic concepts.

## Notetaking and Study Skills

*Course Number: 2391*

*Semesters: 1*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: None*

This course will help students develop strategies in study skills and note taking skills for personal, career, and/or college use. Students will learn an alphabetic system of writing for the purpose of effective note taking strategies for use in college and career. Study skill techniques are utilized to help students learn to plan their time wisely, listen and read for understanding, organize notes, and review and prepare for essay and objective examinations. Development of spelling and vocabulary skills will also be included.

## Personal Keyboarding

*Course Number: 2364*

*Semesters: 1*

*Grade Level: 8, 9, 10, 11, 12*

*Prerequisite: None*

Have you tried to complete a research paper for a class but have been slowed down by having to "hunt and peck" the keys? You can learn the keyboard accurately without looking at the keyboard. The

proper knowledge of the computer keyboard is vital in today's world. This keyboarding class is the basis for all computer classes. This semester course will concentrate on proper touch keyboarding technique, development of speed and accuracy, and the ten-key pad. Besides learning the keyboard, students will also learn to format basic types of documents for personal, educational, and business use. A proficiency test is available for prerequisite purposes, but not for credit. There is also a test for credit that may be taken at the Education Service Center. Please see your counselor for more information.

## Web Page Design

*Course Number: 2122*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: Keyboarding*

In this course, students will be planning, designing, and launching a complete website. The first half of the semester will be devoted to creating Web pages using a form of HTML page definition language. Students will design their own Web site, which will incorporate class project materials. During the second half of the semester the students will learn how to create and edit web pages using Microsoft FrontPage.

## Word Processing

*Course Number: 2119*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: Keyboarding*

Today's students need to be able to do more than create, save, and print. By enrolling in this class, you will learn how to use the advanced features of MS Word. Many of the topics covered include desktop publishing, mail merge, and the creating of tables, charts, and graphs. Also, students will learn to use a digital camera and scanner to produce digitally enriched documents. At the end of this course, you will be prepared to take a test that could quali-

fy you as a Core and Expert user of Microsoft Word in the Microsoft Office User Specialist (MOUS) certification program.

## CONCURRENT ENROLLMENT

Qualified eleventh-grade or twelfth-grade students may have the opportunity to be enrolled concurrently in high school and college courses. Tuition is free for up to six (6) hours at public colleges or universities, but there is a cost for fees and books. Students must meet current state concurrent enrollment guidelines. College courses taken through concurrent enrollment will not count toward high school credit.

Each student choosing to enroll concurrently is responsible for contacting the college and enrolling in the appropriate course(s). This enrollment must be verified by submitting a copy of his or her college class schedule to his or her counselor. The student's counselor may check with the registrar at the college to verify the student is enrolled. A concurrently enrolled student must submit his or her semester grades to the appropriate BHS counselor at the end of each semester. This allows BHS to provide sound academic guidance to each student.

**Students must have a qualifying ACT score to enroll in college courses.**

During the 2008-2009 school year, the following courses were taught on the BHS campus through Rogers State University: Composition I, Composition II, College Algebra, and American Federal Government.

\*Proposed courses and times for the 2009-2010 school year are:

### Fall 2009

Composition I	8:25	MWF
College Algebra	9:25	MWF
Social Studies	12:50	TTh

### Spring 2010

Composition II	8:25	MWF
College Algebra	9:25	MWF
Social Studies	12:50	TTh

\*Courses and times are subject to approval from Rogers State University. Check the RSU web site at [www.rsu.edu](http://www.rsu.edu) Academics for up to date information.

## DRIVER EDUCATION

### Driver Education

*Course Number: 2710*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: The course is taught only at the Mid High building. Students must be 15 years of age the day the semester starts and may be placed as space is available. Also, in accordance with HB2889, students must meet both enrollment and 8th grade reading proficiency requirements in order to enroll in Driver Education. Courses are provided the hour before school, after school, and in the summer (June and July).*

This course is designed to meet the standards established by the State Department of Education. All students must complete at least **six hours** of "behind-the-wheel" instruction and **thirty hours** of "classroom instruction" to receive credit. **Letter grades and ½ unit of credit will be given!!** This course provides information and practice activities needed to prepare for the basic driving exam. The major purpose is to provide a foundation for the development of student driving skills. Driver and passenger safety and the use of proper judgment in various situations are emphasized.

**NOTE: Enrollment is first come, first served.**

**\*A fee is required for this course.\***

## FAMILY & CONSUMER SCIENCES

### FACS IA

*Course Number: 5012*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course includes units on career exploration, housing, consumer education, and sewing construction.

This course begins with exploring career possibilities and employment practices. Students will complete a floor plan including color, home furnishings and personal living space. Students will study consumer awareness and decision making with their purchasing power. Clothing analysis and construction, including pattern and fabric selection, and using sewing equipment will complete the semester. Opportunity to use a computerized sewing machine and personalize the project is possible. *Fabric and sewing supplies will be needed.*

### FACS IB

*Course Number: 5013*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course includes units on childcare, foods, and health. This course includes units in early child development and related careers (7 weeks; lab projects: write a child's story, conduct an interactive preschool lesson with the class and conduct a one-day childcare lab). Using self directed teamwork lab sheets, students will study food habits and health issues (9 weeks; lab projects: quick breads, cakes, homemade pasta, homemade ice cream, egg dishes, outdoor cooking and taste testing, health analysis). Personal growth and human relations completes the course. *Extra credit opportunities: Electronic Baby and community experience*

### FACS IIA

*Course Number: 5014*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course includes units in leadership, consumer education (banking and credit), clothing and textiles (labels, textiles, purchasing and garment construction, and housing and home furnishings (interior design and architectural design; home tours, when available; model room

construction) and career exploration (obtaining a job, progress and success on the job). Each unit has field trips, guest speakers, or numerous lab experiences. *Fabric and sewing supplies will be needed.* Optional use of computerized sewing machine.

### FACS IIB

*Course Number: 5015*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course emphasizes parenting, foods, and relationships. This course includes units in child development and parenting (7 weeks; lab projects: PowerPoint presentation on interactive presentation screen, analysis of childhood behavior, and conduct a one-day child care lab); food habits and health issues (7 weeks; lab projects: yeast breads, meat dishes, pies, dehydrating, bread machine, vegetable dishes, comparison of latest technology, ex: halogen vs. convection vs. conventional ranges); building stronger family relations and understanding the disabled. *Extra credit opportunities: Electronic Baby and community experience.*

### Teen Life Skills

*Course Number: 8611*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This is a sampler course, which covers all areas of Family and Consumer Science. This course is designed to help develop skills needed in everyday living. Areas of emphasis are career enhancement skills, study skills, communication, responsible dating, choosing a marriage partner, healthy relationships with family and friends, consequences of teen pregnancy and childbirth, budgeting time and money, principles of design, care, and repair of clothing, nutrition and simple cooking techniques. Lab projects include Empathy Belly, health analysis, and electronic baby project. *Teen Life Skills*

fulfills the complete set of Priority Academic Student Skills (PASS) competencies in Health and Safety Education, 9-12.

### **Career Exploration**

*Course Number: 8609*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course emphasizes career choice and skills for entering the world of work. This course begins with interest assessments and personal value inventories and use of a software package called Oklahoma Career Search. This course is designed to help students develop study skills, attitudes, perceptions and motivation toward good work habits to be used during school and to continue in the workplace. Conceptual skills such as planning and time management, computer skills and PowerPoint presentations, communication and problem-solving techniques are taught in this course. Guest speakers, field trips, and career shadowing introduce students to career opportunities.

### **Adult and Family Living I**

*Course Number: 8602*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

Areas of study include communication skills, career preparation, financial planning, understanding taxes, insurance, understanding self and developing socially, emotionally, and physically.

### **Adult and Family Living II**

*Course Number: 8604*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

Areas of study include selecting and caring for clothing, living on your own, defining married and single lifestyles, understanding family life, pregnancy and childbirth, parenting skills with infants and young child-

ren, choosing food for fitness and preparing food.

## **FINE ARTS**

### **Introduction to Art Concepts**

*Course Number: 2809*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

Introduction to Art Concepts is a course designed to expose students to fundamental art concepts. Topics will include art criticism, art history, aesthetic theories, and the elements and principles of design. Worksheets, quizzes, and tests will be given over the information covered in each chapter. Studio projects will be developed to reinforce the art topics covered in the text. Students' productivity and good study habits are imperative to achieve in this course. A passing grade *and teacher approval are required* before a student advances to the next level. Art supplies will be needed

#### **Art I**

*Course Number: 2811*

*Semesters: 2*

*Grade Level: 9, 10*

*Prerequisite: None*

The fundamentals of art including introduction to drawing, perspective, water-based painting techniques, color theory, 3-D work, and general art history are presented in this course. PASS objectives in the visual arts for the State of Oklahoma are emphasized. A passing grade for this course is required as well as teacher approval to advance to the next level. Student productivity is imperative to achieve in this course. Art supplies will be needed.

#### **Art II**

*Course Number: 2812*

*Semesters: 2*

*Grade Level: 10, 11, 12*

*Prerequisite: Art I and Instructor Approval*

This course focuses on successfully employing the principles of design

using a variety of mediums. The proper use of mediums is explored while reinforcing the theory of design. Current art history and theory are emphasized. Productivity is imperative to achieve success in this course. Art supplies will be needed.

### **Art II Pre-AP**

*Course Number: 2815*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: Art I and Instructor Approval*

Art II Pre-AP is designed to transition students into the AP Program at the high-school level. Art II Pre-AP is an advanced studio-oriented course with emphasis on both the college-bound and career artist. Sophomores may enter this course only with the recommendation of the instructor. This course is based on the College Board's studio art requirements. The portfolio consists of three sections. The first semester focuses on the breadth section. The breadth section includes nine works that vary in medium, subject, and content. The second semester deals with the concentration section. The concentration section is a series of nine pieces that are visually and conceptually related. The quality section includes five of the student's best works. Students at this level must be able to work independently, creatively solve difficult visual problems, and articulate using appropriate visual terminology. Students are expected to complete at least one project every two weeks. Project grades are determined using several methods of assessment including, but not limited to, group, peer, and self-critiques, project assessment forms, and student/teacher conferences. Productivity is strongly considered when calculating grades. Art supplies will be needed.

### **Art III, IV, and V**

*Course Number: 2813, 2814, 2818*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite Art III - Art I, II or Instructor Approval, Art IV - Art I, II, III or Instructor Approval, Art V - Art I, II, III, IV or Instructor Approval*

Art III, IV, and V are similar in the course structure. The primary difference between the classes are the higher expectations for the quality of the students work. The course are designed to assist students in creating a portfolio. The portfolio consists of two sections. The concentration section is a series of eight works that are visually and conceptually related. The breadth section includes eight works that vary in both medium and subject matter. Students are given the artistic freedom to explore their own personal aesthetic interests. Art III is considered an advanced course. Students should have a strong art foundation and be able to render images from direct observation. **Students are expected to complete at least one project every two weeks. Project grades are determined using several methods of assessment including, but not limited to, group, peer, and self-critiques, project assessment forms, and student-teacher conferences. Productivity is strongly considered when calculating grades. Art supplies will be needed**

### **Art IV AP, Art VI AP**

*Course Number: 2817, 2819*

*Semesters: 2*

*Grade Level: 11, 12 (Art VI AP -12 only)*

*Prerequisite: Art IV AP - Art I, II, III or Instructor Approval, Art VI AP - Art I, II, III, IV, V or Instructor Approval*

Art IV AP is an advanced studio-oriented course with emphasis on both the college-bound and career artists. Juniors may enter this course only with the recommendation of the Mid High School teacher and final approval by the BHS teacher. Art VI AP Seniors may enter this Course only with the recommendation of the High School teacher. These courses are based on the College Board's art studio portfolio requirements. Students may

choose from several types of portfolios, depending on their interests. The portfolios consist of three sections. The concentration section is a series of twelve works that are visually and conceptually related. The breadth section includes twelve works that vary in medium, subject, and content. The quality section includes five of the student's best pieces. Students at this level must be able to work independently, creatively solve difficult visual problems, and articulate using appropriate visual terminology. **Students are expected to complete at least one project every week.** Project grades are determined using several methods of assessment including, but not limited to, group, peer, and self-critiques, project assessment forms, and student/teacher conferences. Productivity is strongly considered when calculating grades. Juniors entering into Art IV AP must be enrolled in Art III. Seniors entering into Art VI AP must be enrolled in Art V. Art supplies will be needed.

### **Band**

*Course Number: 2931*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: Former member of middle school or Mid High band or approval of director. Students must receive permission from the director to enroll in the course.*

Band is offered as a full year course to qualified music students who wish to develop their talents through performance on brass, wind, and percussion instruments. The class stresses life skills such as leadership skills, time management, and team-building. The class stresses music skills such as tone production, musical style, phrasing, articulation, balance, intonation, and musical discrimination through ensemble and solo performance. The program offers concerts, ensemble and solo performance opportunities,

full orchestra experiences, and marching band performances.

Students with no prior band experience who wish to participate with the Color Guard only, may audition for and participate in the fall semester only with prior approval from the band staff. Students who play an instrument in the band are encouraged to participate and are required to continue to play in one of the concert ensembles offered. Color Guard is a great opportunity for students to enhance the marching band's visual program through dance, movement, flags, rifles, sabers, and other equipment. Additionally, Winter Guard will be offered to interested students outside the school day from December through April.

The band takes out-of-state trips every year to a music festival or competition. Every other year it takes a major out-of-state trip. Students have opportunities to earn their money for the trip through booster club-sponsored fund-raisers. For more information contact the band office.

Band requires extra practices to ensure enough rehearsal time to have competitive and outstanding performances. Students will be required to attend additional rehearsals outside of the normal school day before and after school in addition to the summer. Typically, the marching band rehearses from 7:00AM until 8:45AM daily during the fall and the concert bands have required additional rehearsals and/or sectionals from November through May. **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### **Orchestra**

*Course Number: 2932*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: Former member of middle school or Mid High orchestra or approval of director*

Orchestra is offered to qualified stringed-instrument students who play violin, viola, cello, bass, or harp. Students are offered the means to attain excellence through group performance. A variety of styles of music is studied and performed, with emphasis on traditional "class" music. Full orchestra (utilizing selected students from the band class) is an integral part of the class. Participation in outside-of-class rehearsals is required, as is participation in evening performances. The schedule for these events will be distributed as early as possible. Students also have the opportunity to participate in solo and ensemble contests and performances through this class.

The orchestra usually takes an out-of-state trip to a music festival. Students have opportunities to earn their money for the trip through booster-club-sponsored fund-raisers. **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### Men's Chorus

*Course Number: 2952*

*Semesters: 2*

*Grade Level: 9, 10*

*Prerequisite: Audition and approval of choir director*

Men's Chorus is a performing group in which advanced vocal techniques are stressed. Class instruction includes the study of all classifications of choral literature. Rehearsals and public performances outside of class are requisite parts of the course. In addition, individual performance is encouraged. **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### Women's Chorus

*Course Number: 2950*

*Semesters: 2*

*Grade Level: 9, 10*

*Prerequisite: Audition and approval of choir director*

Women's Chorus is a performing group in which advanced vocal techniques are stressed. Class instruction includes the study of all classifications of choral literature. Rehearsals and public performances outside of class are requisite parts of the course. In addition, individual performance is encouraged. **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### Mixed Chorus

*Course Number: 3071*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: None*

This course is for those students who love music and enjoy singing but may not have the outside time required for the Select Choir. This choir will learn all the same fundamentals of good singing taught in the Select Choir, as well as experiencing the same aesthetic values and multi-cultural education, but out-of-class rehearsals and required performances will be at the discretion of the director.

### Music Theory AP

*Course Number: 2940*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Students should have average or above average-proficiency in music reading and/or performance*

Music Theory AP is a review of basic theory and an introduction to college-level harmony. All students planning to major or minor in music in college are urged to take this class. Curriculum includes major and minor key signatures, part-writing, orchestration, secondary dominants, transposition, and figured bass with units on music history and composition. Students are encouraged to take the College Board's Advanced Placement Exam in Music Theory.

### Select Choir

*Course Number: 2953*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Audition and approval of choir director*

Select Choir is a performing group in which advanced vocal techniques are stressed. Class instruction includes the study of all classifications of choral literature. Rehearsals and public performances outside of class are requisite parts of the course. In addition, individual performance is encouraged. **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### Drama I

*Course Number: 4041*

*Semesters: 1 or 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: None*

This course is designed for students interested in acting who have little or no experience in the craft or do not have the outside-of-class time required for Advanced Acting. This course will introduce students to the elements of acting, such as character, stage presence, script-analysis, and performance critique. Course-work will include the examination of both live theatre and film. Students will have the opportunity to audition for all play productions.

### Drama II

*Course Number: 4043*

*Semesters: 2*

*Grade Level: 9, 10*

*Prerequisite: Drama I or teacher approval*

Focusing on acting, this class works with introductory acting theories/philosophies to improve character development and stage presence. Development of acting skills is the primary focus of students enrolled in this course. Students are required to participate in drama competition and encouraged to audition for play productions. The acting theories of Plato and Aristotle will be among those studied and applied throughout this course. **The student must also have completed**

**the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### **Advanced Acting**

*Course Number: 4042*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Drama I or II and/or teacher approval*

Designed for serious students of acting, this course includes in-depth study of acting theories, including those of Stanislavsky, Hagen, Adler and others. Student participation in statewide drama competition once per semester is required and students are encouraged to participate in play productions. Course work includes individual and scene work as well as oral and written literary and performance analysis and critique. **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

### **Stagecraft**

*Course Number: 4291*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: None*

If you like to build things and use power tools—this is the class for you. Utilizing a “hands-on” approach, this course is the study of lighting, sound, scenic design, costume, and make-up for the stage. Wood construction and the safe use of tools are a primary focus of this course. The fundamentals of electricity and color theory are also studied. Students will learn technical drawing/drafting and elements of design for all technical aspects of theater. Students will be required to participate in backstage crew for play productions. *This course may be taken each year for credit.*

### **Technical Theater**

*Course Number: 4044*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

Designed for actors and non-actors alike, this course is an introductory study of lighting, sound, scenic design, costume, and make-up. Students will learn technical drawing/drafting and elements of design for all technical aspects of theater. Students will be encouraged, but not required, to participate in back-stage crew for play productions. This class provides a “hands-on” approach to the role of technical theater in the dramatic arts and includes shop safety and working with hand tools. *This course may be repeated for credit.*

### **Fine Arts Management Internship**

*Course Number: 4045*

*Semesters: 1 or 2*

*Grade Level: 10, 11, 12*

*Prerequisite: Written approval from the fine arts manager*

This course involves front-of-house training (house manager and ticket office) and back-stage training (stage technician). Students will gain experience rotating between both areas during events at the Fine Arts Center. Their work will cover before-event safety checks, making certain the theatre is clean and ready for the event, instructing the ushers on their responsibilities, as well as emergency procedures in case of evacuation, etc. they will monitor the lobby area before, during, and after the event to help provide directions and information and maintain order.

While working as a stage technician, students will learn to operate all the different technical systems in the theatre, including the sound system, lighting system, and fly rail. They may be required to work an event as the sound board or light board operator or act as the back-stage manager.

Grades are based on participation, test scores covering theatre terminology, areas of theatre, proper use of all theatre equipment and willingness to work. Students are

expected to work all rehearsals and events assigned by the Fine Arts Manager.

**Attendance at events outside of school hours will be required.**

## **FOREIGN LANGUAGE**

### **Chinese I**

*Course Number: 3101*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: Recommend 'C' average in language arts*

Chinese I is intended for the students to know the structure and vocabulary necessary to communicate in Chinese about the personal and familiar contexts, to read and write most common Chinese characters, and to gain general knowledge and understanding of Chinese cultures.

### **Chinese II**

*Course Number: 3105*

*Semesters: 2*

*Grade Level, 11, 12*

*Prerequisite: Chinese I*

Chinese II provides the students wider topics to communicate and a deeper knowledge and understanding of Chinese cultures. Among the four skills, reading and writing skills are emphasized.

### **French I**

*Course Number: 3111*

*Semesters: 2*

*Grade Level: 8, 9*

*Prerequisite: Recommend 'C' average in language arts*

This course provides a foundation in grammar, vocabulary, and culture. Communication and self expression are the main goals. Speaking and listening comprehension, as well as reading and writing skills, are emphasized.

### **French II**

*Course Number: 3112*

*Semesters: 2*

*Grade Level: 9, 10*

*Prerequisite: French I, Recommend 'C' average or counselor recommendation*

and successful completion of quarterly assessment – French I.

The main goal is communication and self-expression within the areas of speaking, understanding, reading, and writing French. A continuing study of grammar and vocabulary is included. Geography and customs of French-speaking countries will be studied.

### **French III Pre-AP**

*Course Number: 3195*

*Semesters: 2*

*Grade Level: 10, 11, 12*

*Prerequisite: French II, recommend 'A' or 'B' or approval of instructor*

Students will develop writing skills and speaking skills and will continue to build on their foundation of cultural and historical knowledge and understanding of the French-speaking countries. *The purchase of a dictionary is recommended.*

### **French IV/V AP**

*Course Number: 3103*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: French III Pre-AP, recommend 'A' or 'B' or approval of instructor*

This course is equivalent to a third-semester college course in French. The course will focus on refining language skills. Selected pieces of literature will be studied and frequent writing assignments will be made. Students will develop oral proficiency through class discussion and work with tape recordings. Grammar and vocabulary will be extensively reviewed. Students are encouraged to take the Advanced Placement Exam in French Language and will be prepared to take other French placement tests. *The purchase of a dictionary AND an AP workbook is recommended.*

### **German I**

*Course Number: 3121*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: Recommend 'C' average in language arts*

This course provides an introduction to the basic language skills of comprehension, speaking, reading, and writing with primary emphasis on comprehension and speaking. Basic German grammar is taught. German culture is also presented through films, slides, and tapes. *The purchase of a dictionary is recommended.*

### **German II**

*Course Number: 3122*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: German I, recommend 'C' average or counselor recommendation*

This course provides continuing development of the four basic skills with emphasis in reading and writing ability. Additional grammar, vocabulary, and cultural activities are introduced. Audio/visual materials provide variety in class activities. *The purchase of a dictionary is recommended.*

### **German III**

*Course Number: 3123*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: German II, 'A' or 'B' or approval of instructor*

This course is intended for students interested in improving proficiency in German. Students will develop writing, reading, and grammar skills through classroom and independent-study projects. *The purchase of a dictionary is recommended*

### **German IV**

*Course Number: 3119*

*Semesters: 2*

*Grade Level: 12*

*Prerequisite: German III, 'A' or 'B' or approval of instructor*

This course will focus on refining language skills in preparation for the German Advanced Placement exam. Along with language skills, history and culture will be further studied. *The purchase of a dictionary is recommended*

### **Spanish I**

*Course Number: 3161*

*Semesters: 2*

*Grade Level: 8, 9, 10, 11, 12*

*Prerequisite: Recommend 'C' average in language arts*

Communication and self-expression in Spanish are the main goals. The course provides a strong foundation in grammar, vocabulary, and culture. The approach emphasizes speaking and listening comprehension as well as reading and writing skills.

### **Spanish II**

*Course Number: 3162*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: Spanish I, recommend 'C' average or counselor recommendation and successful completion of quarterly assessment – Spanish I*

Communication and self-expression in Spanish are the main goals. Oral comprehension, speaking, reading, and writing skills are stressed. Additional study of grammar and vocabulary is included, as well as the study of the Hispanic culture

### **Spanish III Pre-AP**

*Course Number: 3191*

*Semesters: 2*

*Grade Level: 10, 11, 12*

*Prerequisite: Spanish II, 'A' or 'B'*

This Pre-AP course is intended to be followed by level IV AP for serious students interested in improving proficiency in Spanish. Students will continue development of grammar and vocabulary. Students will use the **THIRD** level to acquire new skills, develop an understanding of Spanish cultures, and use Spanish for effective day-to-day communication. Readings from various sources will supplement the core text.

### **Spanish IV AP**

*Course Number: 3192*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Spanish III Pre-AP, 'A' or 'B' or approval of instructor*

This AP course is intended to be followed by level V AP and is for serious students interested in improving proficiency in Spanish. Students will develop writing skills and will build on their foundation of cultural and historical knowledge and understanding of the Hispanic world. An extensive grammar review is included and students may take the Advanced Placement Exam in Spanish Language at the end of this course. *The purchase of a Spanish to Spanish dictionary is recommended.*

### **Spanish V AP**

*Course Number: 3194*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Spanish III Pre-AP, 'A' or 'B' or approval of instructor*

This course is equivalent to a third-semester college course in Spanish. Students successfully meeting the requirements of this course will be encouraged to take the Advanced Placement Exam in Spanish Language. The course will focus on refining language skills. Selected pieces of literature will be studied and frequent writing assignments (corresponding to the AP Spanish Language test format) will be made. Students will develop oral proficiency through class discussions and oral presentations. Grammar and vocabulary will be extensively reviewed. *The purchase of a Spanish to Spanish dictionary is recommended.*

## **LANGUAGE ARTS**

### **English 9 Grammar and Composition**

*Course Number: 4301*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: Eighth-grade English*

English 9 Grammar and Composition strengthens and expands students' practical knowledge of English grammar and usage through an intensive program of writing. Stu-

dents learn advanced proofreading and revision skills that they apply to a wide range of multi-paragraph compositions. Additionally, students learn the elements of vocabulary development, literary analysis, and critical reading by reading and responding to a variety of texts in both formal and informal ways.

### **English 9 Grammar and Composition Pre-AP**

*Course Number: 4303*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: Eighth-grade English*

*Recommended: Pre-AP 8<sup>th</sup> Grade English*

*This course of study is a rigorous, introductory course to Advanced Placement English courses and is available to the student interested in taking the Advanced Placement Examinations in English upon completion of the AP program.*

English I Pre-AP engages students to dissect and discuss advanced literary techniques, concepts, and skills. Students become adept at identifying and analyzing the techniques of various authors and how those techniques contribute to the overall purpose and meaning of the works. Students are expected to create a composition portfolio and an extensive research paper/project. Fused with the study of literature is the refinement of composition skills, usage skills, and research skills. Practice in listening/speaking and viewing/representing occurs throughout the course.

**Summer Reading Assignment** - have *The Outsiders* read by September 18.

### **English 10 Literature and Composition**

*Course Number: 4305*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: English 9*

English 10 Literature and Composition students read, discuss, and write about selected works of literature from a variety of genres and cultures. *English 10*

*Literature and Composition* focuses on strengthening students' critical reading skills, literary analysis skills, and higher-order thinking skills, and composition skills. The course utilizes an intensive program of process-based writing which emphasizes vocabulary development, sentence construction, and standard usage and grammar.

### **English 10 Literature and Composition Connections**

*Course Number: 4305*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: English 9*

English 10 Literature and Composition students read, discuss, and write about selected works of literature from a variety of genres and cultures. *English 10 Literature and Composition* focuses on strengthening students' critical reading skills, literary analysis skills, and higher-order thinking skills, and composition skills. The course utilizes an intensive program of process-based writing which emphasizes vocabulary development, sentence construction, and standard usage and grammar.

Additionally, *Connections* uses an interdisciplinary approach combining Literature and Composition with World History/World Geography. Literature is organized according to historical era, theme, or geographical location emphasizing the relationship between the two courses.

### **English 10 Literature and Composition Pre-AP**

*Course Number: 4304*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: English 9*

*Recommended: English 9 Pre-AP*

This course of study engages students to dissect and discuss advanced literary techniques, concepts, and skills. Students become adept at identifying and analyzing the techniques of various authors from a variety of cultures and how these techniques contribute to the overall purpose and meaning of the works. Emphasis is placed on understanding of the historical implications of each work. This course emphasizes refinement of composition skills, usage skills, and

research skills. Practice in listening/speaking/notetaking occurs throughout the course.

The College Board who regulated the AP courses describes the suitable AP student as: "Academically talented, imaginative students who read with finesse and write with clarity and style, who are curious and responsive to academic risk-taking and who are not deterred by hard work."

**Summer Reading Assignment** - have *The Hobbit* by J.R.R. Tolkien read by September 18.

## English 11 American Literature

*Course Number: 4297*

*Semesters: 2*

*Grade Level: 11*

*Prerequisite: English 10*

English 11 American Literature consists of a study of representative literature from the Colonial period to the present. Emphasis is placed on improving reading comprehension and developing the student's ability to think by exposure to the challenging ideas of great writers. A major part of the student's grade is based on writings of multi-paragraph, literature-based compositions with an emphasis on expository development. Compositions are graded closely for content, organization, and mechanics. A vocabulary program is included. A short research paper will be assigned.

## English Language and Composition AP (11<sup>th</sup> grade)

*Course Number: 4309*

*Semesters: 2*

*Grade Level: 11*

*Prerequisite: English 10*

*Recommended: English 10 Pre-AP*

*This course of study is equivalent to an introductory college English course and is available to the student interested in taking the Advanced Placement Examination in English Language and Composition.*

English III AP engages students in becoming skilled readers of a variety of prose selections and skilled writ-

ers who compose for a variety of purposes. Students become adept at identifying and analyzing the various rhetorical features used in writing as the features contribute to purpose and meaning. This course provides an overview of American literature, including samples of traditional and multi-ethnic selections. Fused with the study of literature is the refinement of composition skills, usage skills, and research skills. Practice in listening/speaking and viewing/representing occurs throughout the course.

**Summer Reading Assignment** - have *Of Mice and Men* by John Steinbeck and *The Great Gatsby* by F. Scott Fitzgerald read by September 19.

## English 12 British Literature

*Course Number: 4299*

*Semesters: 2*

*Grade Level: 12*

*Prerequisite: English 11*

This course consists of a study of representative British literature from the Anglo-Saxon period to modern writings. Emphasis is placed on developing independent reading, writing, and thinking skills. A major part of the student's grade is based on writings of multi-paragraph, literature-based compositions with an emphasis on expository development. Compositions are graded closely for content, organization, and mechanics. Students will complete a documented research project. A vocabulary program is included.

## English Literature and Composition AP (12<sup>th</sup> grade)

*Course Number: 4310*

*Semesters: 2*

*Grade Level: 12*

*Prerequisite: English 11*

*Recommended: English Language and Composition AP*

*This course of study is equivalent to an introductory college English course and is available to the student interested in taking the Advanced Placement Examination in English Language and Com-*

*position and/or English Literature and Composition.*

English IV engages students in close reading and written analysis of imaginative literature. Students become adept at identifying and analyzing varied literary techniques as the techniques contribute to purpose and meaning of a selection. Selected writings from the literature of other countries, with an emphasis on British literature from varied time periods, serve as the basis for reading and for writing literary analysis. Fused with the study of literature is the continued refinement of composition skills, usage skills, and research skills. Opportunities for practice of listening/speaking and viewing/representing are inherent in the course.

**Summer Reading Assignment** - have *A Prayer for Owen Meany* read by September 19.

## LANGUAGE ARTS ELECTIVES

### Literacy for Life

*Course Number: 4059*

*Semesters: 1 or 2*

*Grade Level: 9, 10*

*Prerequisite: None*

Literacy for Life is a course designed to remediate/assist students that have demonstrated difficulties with reading and/or language arts skills. Students that perform at the Unsatisfactory or Limited Knowledge level on the 8th grade criterion reference test will be enrolled in the course for remediation purposes. If students perform at a satisfactory level during the first semester of their 9th grade year, they may exit the class and take a 2nd semester elective course. This course may also be taken by 10th grade students who continue to struggle with reading and/or language arts skills.

## Speech

Course Number: 4221

Semesters: 1

Grade Level: 11, 12

Prerequisite: None

This is an introduction to oral communications. Students will learn basic public speaking, stage fright control, research, and outlining. Students will prepare and perform various types of speeches throughout the semester.

## Competitive Debate

Course Number: 5026

Semesters: 2

Grade Level: 9, 10, 11, 12

Prerequisite: None

The class will cover debate, oratory, extemporaneous speaking, and student congress. A majority of the grade will be based on participation in tournaments. Tournaments are scheduled on Friday afternoons and all day on Saturdays. *This course may be taken each year for credit. This is a full year course.* **The student must also have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

## Journalism and Mass Communications

Course Number: 4111

Semesters: 2

Grade Level: 9, 10

Prerequisite: None

Journalism and Mass Communications class is designed as an introduction to the world of the media. Students will explore the realm of newspapers, magazines, and yearbooks and the effect they have on society. Basic skills needed to become a well-rounded journalist will be studied in depth. These basic skills include interviewing, news, feature, sports and opinion writing and editing. Students will become familiar with photography and word processing and desktop publishing computer programs. Students will publish their work in school-related and community publications and projects.

## Electronic and Digital Media

Course Number: 4112

Semesters: 2

Grade Level: 11, 12

Prerequisite: Application required for admittance

This class is designed as an advanced study of the media. Students will study advanced forms of writing, as well as electronic media, desktop publishing, photography, advertising, public relations, radio/television journalism, journalism history, journalism law, magazine writing, and media problems. Students will put their journalistic skills to the test by applying those skills to the production of school-related and community publications.

## Media Study and Production

Course Number: 4151

Semesters: 2

Grade Level: 9, 10, 11, 12

Prerequisite: Previous experience and/or teacher permission; application required for admittance

Mid-High: Media Study and Production is the official course name for *The Paladin* staff. The students will work together to produce the monthly edition of the Mid-High newspaper. Student duties include following a beat (getting all news from an assigned area), writing and typing stories, writing headlines, and designing pages. Production work is done on a computer (writing, designing pages, etc.). Good writing skills are necessary.

High School: Media Study and Production is the official course name for *The Fourth Estate* staff. The students work together to produce the monthly edition of the high school paper. Student duties include following a beat (getting all the news from an assigned area), writing stories, selling ads, typing copy into the computer, taking pictures, writing headlines, and designing pages and advertisements.

## Magazine and Visual Media

Course Number: 4240

Semesters: 2

Grade Level: 9, 10, 11, 12

Prerequisite: Previous experience and/or teacher permission; application required for admittance

Magazine journalism and visual media will put theory to practice through the production of the yearbook. This encompasses financing the yearbook, learning the process for publishing a yearbook, developing the theme, and distributing the completed book. The course includes cropping and proportioning pictures, planning layout, creating typography and graphic designs, editing and proofing all material, evaluating costs of production, learning responsibility by meeting deadlines, creativity, and communication with the publisher.

## Reading for Personal Pleasure

Course Number: 4243

Semesters: 1

Grade Level: 11, 12

Prerequisite: None

This class is designed to foster enjoyment of reading and literature as well as improving reading skills for students. Reading improves your vocabulary and your comprehension, therefore providing a boost for ACT and SAT testing. The focus of the class will be providing more opportunities for students to read, discuss, evaluate, and analyze literary works. The majority of reading occurs during class. A journal may be required.

## MATHEMATICS

### Math Plus

Course Number: 4459

Semesters: 2

Grade Level: 9, 10

Prerequisite: None

The emphasis of this course is to support students taking Algebra I. Concepts stressed will be variables, properties of operations with real

numbers, and solutions of linear equations and inequalities. Also included are manipulations of polynomials, basic operations with algebraic fractions and elementary concepts of probability and statistics are included. Heavy emphasis is placed on applications of algebra and problem solving. A scientific calculator is recommended. This class does NOT count toward college core prerequisite, NCAA Clearinghouse, or OHLAP scholarship credit. **This class will not count as a math credit for graduation, but it will count as an elective credit.**

### Algebra I-A

*Course Number: 4409*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: Low CRT math score, low grade in 8th grade math class, and 8th grade teacher recommendation*

This course is the first part of a two-part program. The course will consist of two semesters or one full school year. Upon successful completion of this course students will enroll in the second part of the program (Algebra I-B). The course has been designed to equip students with a knowledge base that will help them be successful in college course work, a technical trade school, or any and all workforce situations. The topics covered in this class include: integers, mathematical expressions, equations, proportional reasoning, linear functions, inequalities, graphing and applications of functions. This class does not count toward NCAA Clearinghouse. **Students will receive one-half unit of mathematics credit and one-half unit of elective credit upon successful completion of this course.**

### Algebra I-B

*Course Number: 4410*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: Low CRT math score, low grade in 8th grade math class, and 8th grade teacher recommendation*

This course is the second part of a two-part program. The course will consist of two semesters or one full school year. The course has been designed to equip students with the same abilities to enter college, technical school, or the workforce as Algebra I-A. The topics covered in this class include: systems of equations, powers and exponents, polynomials, factoring, quadratic equations, radicals, and applications of functions. This class does not count toward NCAA Clearinghouse. **Students will receive one-half unit of mathematics credit and one-half unit of elective credit upon successful completion of this course.**

### Algebra I

*Course Number: 4411*

*Semesters: 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: None*

The emphasis of this course is on variables, properties of operations with real numbers, and solution of linear equations and inequalities. Manipulation of polynomials, basic operations with algebraic fractions, and elementary concepts of probability and statistics are included. Heavy emphasis is placed on applications of algebra and problem solving. *A scientific calculator is recommended.* **Juniors and Seniors enrolling in Algebra I may have to attend this course at the Mid High depending on total student enrollment circumstances.**

### Algebra II

*Course Number: 4412*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Pass Algebra I*

The emphasis of this course is the attainment of proficiency in the use of fundamental operations, solution of linear and quadratic equations, functions, graphs, solutions of systems of equations, variations, exponents, irrational numbers, inverse relations, sequences, series, and ma-

trices. *A graphing calculator is recommended.*

### Algebra II Honors

*Course Number: 4420*

*Semesters: 2*

*Grade Level: 9, 10*

*Prerequisite: Pass Algebra I Honors and Geometry Honors and recommend a grade of 'C' or above and teacher recommendation*

The emphasis of this course is the attainment of proficiency in the use of fundamental operations, variations, inverse relations, linear and quadratic equations, functions, matrices, exponents and roots, irrational number operations, sequences and series, and solution of systems of equations. *A graphing calculator is recommended.*

### Algebra III

*Course Number: 4413*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Pass Algebra II*

The course will cover number patterns, equations and inequalities, functions and graphs, polynomial and rational functions, exponential and logarithmic functions, systems and matrices, and other subjects as time allows. This will be an opportunity for students to improve their algebra skills. *A graphing calculator is recommended.*

### Geometry

*Course Number: 4520*

*Semesters: 2*

*Grade Level: 10, 11, 12*

*Prerequisite: Pass Algebra I*

This course is a study of visual patterns and an introduction to the relationships of geometric figures. Emphasis is placed on application and problem solving. Algebra is integrated throughout the course. Four dimensions of understanding are emphasized: visualizing and following algorithms; understanding of properties, mathematical relationships, and proofs; using geometric ideas in real situations; and

representing geometric concepts with coordinates, networks, or diagrams. *A scientific calculator is recommended.*

## Geometry Honors

*Course Number: 4521*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: Pass Algebra I Honors*

This course is a study of visual patterns and an introduction to the relationships of geometric figures. Emphasis is placed on application and problem-solving. Algebra is integrated throughout the course. Four dimensions of understanding are emphasized as in Geometry. In addition, this course will involve the student in the research and development of projects related to course work. *A scientific calculator is recommended.*

## Math of Finance

*Course Number: 4814*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Pass Algebra I*

This course is designed to help students learn about earning money, checking accounts, savings accounts, running a business, credit cards, life insurance, stocks and bonds, income tax, owning homes and cars, and budgeting. This course meets high school graduation requirements. **It does NOT count toward college core prerequisite, NCAA Clearinghouse, or OHLAP scholarship credit.**

## Statistics AP

*Course Number: 4795*

*Semesters: 2*

*Grade Level: 10, 11, 12*

*Prerequisite: Pass Algebra II*

This course will emphasize both descriptive and inferential statistics. Students will explore various techniques for collecting, organizing, and displaying data. Measures of central tendency and variability will

be studied. Students will learn how to design, carry out, and analyze surveys and experiments. Specific distributions of data to be studied include the Binomial, Normal, and Chi-Square. The importance of the Central Limit Theorem will be emphasized. Students will learn how to formulate and test statistical hypotheses about population means and variances. Students are encouraged to take the College Board's Advanced Placement Exam in Statistics. *Graphing calculator is recommended (TI-83).*

## College Algebra and Trigonometry

*Course Number: 4413*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Pass Algebra II*

This is an integrated course in college algebra, plane trigonometry, and analytic geometry with an introduction to the concepts of limits. Emphasis is placed on the meaning and analysis of methods. Use is made of sets, inequalities, absolute values, graphs, and the axioms of the number field. This course is NOT the preferred prerequisite to Calculus.

Trigonometry is taught from circular functions and correlated with the solution of triangles. Attention is given to the graphing of the trigonometric functions and solving identities. Exponential and logarithmic functions are also taught. *Heavy emphasis is placed on the utilization of a graphing calculator which is recommended for each student.*

## Pre-Calculus Pre-AP

*Course Number: 4417*

*Semesters: 2*

*Grade Level: 10, 11*

*Prerequisite: Pass Algebra II Honors*

This is an integrated Pre-AP course in college algebra, plane trigonometry, and analytic geometry with an introduction to the concepts of limits. This course is the preferred pre-

requisite to calculus. Emphasis is placed on the meaning and analysis of methods and the promotion of abstract thinking. Some areas covered in the college algebra portion are sets, inequalities, absolute value, graphs, logarithms, function analysis, matrices, polar coordinates, sequences and series, vectors, and combinatorics.

Trigonometry is taught from circular functions and correlated with the solution of triangles. Attention is given to solving identities and the graphing of trigonometric functions, with heavy emphasis on the utilization of a graphing calculator. Self-study, group work, and research are a part of the Pre-Calculus class. *A graphing calculator is recommended.*

## Calculus AB AP

*Course Number: 4611*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Pass Pre-Calculus Pre-AP*

This course is designed to cover limits of functions, differentiation of algebraic and transcendental functions, curvature and roots, integration of functions, volumes generated when curves are rotated about the axes, and many applications. The difficulty level of this course is comparable to that of a college calculus course. The course is designed to prepare students for the Advanced Placement Tests of the College Entrance Examination Board. *A graphing calculator is recommended.*

## Calculus BC AP

*Course Number: 4610*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Pass Pre-Calculus Pre-AP*

This is a full-year course in the calculus of functions of a single variable. It includes all topics covered in AP Calculus AB plus additional topics such as parametric, polar and vector functions, sequences and series. Students who score a 3 or bet-

ter on the AP exam receive two semesters of college credit at most universities. *A graphing calculator is recommended.*

## Computer Science A AP

*Course Number: 4610*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Successful completion of Algebra II and concurrent enrollment in a math course above Algebra II*

Students will learn the fundamentals of structured programming with an emphasis on Object Oriented Design. The language used will be JAVA. Successful completion of the course is comparable to an introductory Computer Science course at a major university or college. Students will be prepared to take the AP Computer Science A test. Some lab time will be allowed but much of the lab work will be done outside of the normal class schedule. *A personal computer capable of operating JAVA is strongly suggested.*

## PHYSICAL EDUCATION

### Lifetime Games & Activities

*Course Number: 5020/5021*

*Semesters: 1 or 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: None*

This course emphasizes instruction in the basic skills, rules, and playing strategies of various sports and activities. Health-related issues are also examined.

### Strong and Fit

*Course Number: 5028/5030*

*Semesters: 1 or 2*

*Grade Level: 9, 10*

*Prerequisite: None*

Students will be expected to dress out and participate in all activities. This course provides exercises to improve the cardiovascular system (heart and lungs) and to help firm and tone the muscles. The course

includes aerobics (dance, step aerobics, fitness walking, and exercises), games, and health-related issues.

### Weightlifting - Mid High

*Course Number: 3346/3347*

*Semesters: 1 or 2*

*Grade Level: 9, 10*

*Prerequisite: None*

This course provides the opportunity to increase the strength and improve the muscle tone of the student. The emphasis is on a free-weightlifting program that includes squats, dead lift, incline bench, bench press, hang clean, triceps extension, leg curls, leg extensions, lunges, and various dumbbell exercises. Students will be expected to rotate throughout each of these stations. Health-related issues and benefits will be implemented throughout the course.

**SPECIAL NOTE: Weightlifting is not recommended for students who currently have or have had back or knee problems.**

### Weightlifting - Senior High

*Course Number: 3345*

*Semesters: 1 or 2*

*Grade Level: 11, 12*

*Prerequisite: None*

This course provides the opportunity to increase the strength and improve the muscle tone of the student. The emphasis is on a free-weightlifting program that includes squats, dead lift, incline bench, bench press, hang clean, triceps extension, leg curls, leg extensions, lunges, and various dumbbell exercises. Students will be expected to rotate throughout each of these stations. Health-related issues and benefits will be implemented throughout the course.

**SPECIAL NOTE: Weightlifting is not recommended for students who currently have or have had back or knee problems.**

## Competitive Athletics

*Semesters: 1 or 2*

*Grade Level: 9, 10, 11, 12*

*Prerequisite: The student must have a Physical Examination and Medical Release dated after May 1, 2009*

**All students must be academically eligible as determined by board policy and OSSAA rules to compete.**

**SPORTS:** Football, Softball, Volleyball, Cross-Country, Basketball, Swimming, Wrestling, Track, Soccer, Golf, Tennis, Baseball, Pom Pon, Cheerleading, Athletic Training, Athletic Manager.

### FOOTBALL THROUGH CHEER-LEADING:

This program is designed for competition among schools in various sports. In competitive Athletics the focus is upon the ability of the **TEAM** to compete successfully. Coaches determine playing time based on a player's skill and ability to improve the **TEAM's** ability to compete successfully. Playing time is not guaranteed. However, coaches will try to give all players an opportunity to demonstrate their ability during the course of the season. The number of participants on a team is limited in all sports except for Football, Cross-Country, Swimming, Wrestling and Track. Selection of team members will be determined through a tryout process based on criteria established by the coach. Team members may be required to participate in off-season or season conditioning programs. If a student is selected and approved to participate, he or she may obtain the rules, regulations, and practice times from the coach of that sport.

**ATHLETIC TRAINING:** Athletic training involves the prevention, immediate care, and rehabilitation of athletic injuries. Students will gain experiences working with all varsity sports offered through Bartlesville Public Schools. Athletic training offers a variety of future

opportunities in many medically-oriented fields. Because athletic training lies within the school day, units may be counted toward graduation through the physical education department. This course provides an opportunity to earn a varsity letter. Grades are based on participation, test scores covering a medical curriculum, and willingness to work. Students are expected to be at all practices, games, and related events assigned by the head trainer. (Must have head trainer's written approval.)

**ATHLETIC MANAGER:** This class provides the student with the opportunity to participate in competitive athletics through aiding the coach and student athletes during practice sessions and actual competitive sporting events. A student who is academically eligible to participate must have the coach's signature on his or her enrollment form to enroll in the class. This course provides an opportunity to earn a varsity letter.

**Students must have completed the Alcohol and Illegal or Performance Enhancing Drug Contract.**

## SCIENCE

Three units of science are required for graduation, including one full unit of Biology I.

All entering 9<sup>th</sup>-grade students will be enrolled in either Physical Science or Biology I Honors. When those students advance to 10<sup>th</sup> grade, those who took Physical Science will then take Biology I; those who took Biology I Honors will then take Chemistry I Honors (or Physical Science if leaving the honors track). All 10<sup>th</sup> grade students must enroll in a science class. Students must re-enroll in any semesters of Biology I for which they have not earned credit.

### Honors/AP Courses

Honors classes (9, 10), and AP classes (11, 12) are offered to those students who qualify through performance in courses leading to the Honors or Advanced Placement classes. The classes are designed for those who score at or above the 80<sup>th</sup> percentile on standardized achievement tests in reading, math, and/or science, or who have shown superior performance in previous traditional science courses. Teacher/counselor recommendations are considered. **ENTRY/EXIT POLICY:** In placing students, consideration will be given to student performance in the current science class, with teacher/counselor recommendation. Honors students may be rescheduled to corresponding traditional classes based on poor performance and after evaluation by the teacher/counselor, parent, and administration. An honors class may be taken later after it is apparent the student can handle more demanding work. Please note that there is no corresponding traditional class at the Mid-High for Chemistry I Honors, so students may NOT exit that Honors course except during the regular schedule change period at the start of a semester.

### Biology I/Lab

*Course Number: 5031*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: None*

Biology I is a high school-level course which uses a lab-oriented hands-on approach to present essential facts and concepts that constitute a comprehensive biology course. Topics covered include energy and matter transfer, stability and equilibrium, patterns of change/cycles, and structure and function.

### Biology I Honors/Lab

*Course Number: 5033*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: (1) Recommend students achieve a 'B' or better in 8th grade science, (2) Teacher recommendation for honors program, (3) Recommend scores at or above 80% on reading achievement.*

Honors Biology is an in-depth, systematic approach to the study of living organisms. Due to the rapid expansion of knowledge in this field, study will be accelerated so that not only text content will be covered but also current research and development. The major topics covered are: study of living organisms, cells, continuity of life, history and diversity of life, viruses and monera, protista and fungi, plants, invertebrates, human biology, and ecology.

Emphasis is placed on the mastery of the vocabulary of biology. Students will maintain a biology notebook. Students are required to present a representative insect collection, current news articles, and a research paper. Microscope work and lab dissections are an integral component of this course. The laboratory aspect of Biology I Honors will be tested with comprehensive semester lab applications.

Guest lecturers and visiting scientists that complement the curriculum are used to give students a first-hand experience of science in our community. *Science Fair Project Required, including participation in the District Fair, held on a Saturday in the spring.*

### Biology II AP/Lab

*Course Number: 5032*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: (1) Recommend a 'B' or better in all semesters of Biology I and Chemistry I, (2) A desire for further in-depth study of advanced Biology*

Biology II AP follows the currently recommended outline published by the College Board. Biology II AP is a college-level course taken at the high school setting. This AP course will encompass the following in de-

tail: biochemical and cellular basis of life, cell organization, energy transformation, nutrient procurement, transport and processing, genetics, evolution, ecology, animal behavior, and botany. Dissections may be performed, but are not a major component of this course. Biology II AP is designed for the student who plans to major in biology, chemistry, medicine, veterinary medicine, dentistry, nursing or other health career. Students are required to do a self-directed research project that involves developing and conducting experiments and writing a scientific paper over their research project. Additional laboratory time is required. Students are encouraged to take the College Board's Advanced Placement Exam in Biology.

### **Anatomy and Physiology/Lab**

*Course Number: 5220*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: (1) Recommend a 'B' or better in Biology I, (2) Recommend a 'C' or better in Chemistry I/ChemCom, or currently enrolled*

This full-year course is an in-depth study of human anatomy and physiology. It includes a systematic review of the integumentary, skeletal, muscular, nervous, reproductive, endocrine, digestive, immune, and circulatory systems. Labs involving comparative study of cells, tissues, and organs are incorporated into the curriculum to supplement and enhance learning. Labs involving detailed dissections of either cow or sheep eyes, brains, hearts, and kidneys will be performed. Other dissections, such as fetal pigs or rabbits, may be included if time allows. Major human muscle groups and blood vessels will be studied using modeling clay, sculpted to a specialized human model. In addition, current topics in the fields of medicine and health will be researched using the Internet and other media. From this research, students will do Power-

Point presentations, brochures, oral presentations, or topical papers (3-4 pages).

### **Environmental Science/Lab**

*Course Number: 5120*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: None*

Environmental Science is a full-year study of the interrelationships between organisms and their physical surroundings focusing on the effects man has within the worldwide ecosystem. This course provides students with knowledge to evaluate choices that can reduce the negative impact man has made on the environment and optimize worldwide living standards. The course emphasizes the development of scientific principles, which allow students to identify and analyze environmental problems and associated risks. Students also examine solutions that can resolve/prevent ecological problems through critical and creative thinking skills.

### **Physical Science/Lab**

*Course Number: 5213*

*Semesters: 2*

*Grade Level: 9*

*Prerequisite: None*

Physical Science is a laboratory course designed to be an introduction to the basic concepts of chemistry and physics. Since most students take a chemistry course during their junior or senior year of high school, Physical Science spends approximately 3/4 of the school year on physics and 1/4 of the year on chemistry concepts. Physics is the study of interactions between matter and energy, and includes topical studies in motion, electricity, sound, and heat. Chemistry is the study of the properties, classification, and structure of matter.

### **Chemistry I Honors/Lab**

*Course Number: 5054*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: (1) Completion of or concurrent enrollment in Algebra II (2) Biology I*

This course is designed as a comprehensive, theoretical chemistry course with a systematic study of the periodicity of chemical elements, the quantum mechanical model, chemical bonding, and stoichiometry. Emphasis is placed on the inquiry approach to science and proper record keeping in a personal chemistry notebook/journal. *It is a requirement of this course to complete an independent, experimental scientific research project and enter it into—the District Science Fair or another, comparable competition.*

### **Chemistry I/Lab**

*Course Number: 5053*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: (1) Algebra I with a 'B' or better in both semesters OR completion of or concurrent enrollment in Algebra II OR approval from a math teacher, (2) Successful completion of Biology I*

Chemistry I is designed to prepare students for taking chemistry at the college level. The approach is more mathematical and theoretical than ChemCom. Emphasis is placed on the atomic molecular theory, laboratory experiences, and reporting techniques. Calculators are extensively used.

### **ChemCom/Lab**

*Course Number: 5051*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Algebra I (minimum), Biology I*

ChemCom means "Chemistry in the Community." It is a model chemistry program developed by the American Chemical Society with funding from the National Science Foundation. The program is aimed at college-bound liberal arts majors (non-science or engineering) and is not remedial in nature. In ChemCom, the theory is presented in order to study typical everyday problems. Units studied may include the

chemistry of water, natural resources, petroleum, biochemistry, air, and nuclear chemistry. A three-ring binder is recommended.

### **Chemistry II AP/Lab**

*Course Number: 5052*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Chemistry I Honors or approval from Chemistry I teacher, Algebra II, or instructor approval*

This course follows the recommended course outline published by the College Board. Chemistry II AP is a college-level course taken at the high school setting. The college-level approach differs significantly from the first course in chemistry in the textbook used, range and depth of topic covered, and the kinds of laboratory work done by students as well as the time and effort required for a successful experience at the AP level. Lectures and investigations will involve a higher level of mathematical application. Emphasis will be placed on development and use of critical thinking skills. Students are encouraged to take College Board's Advanced Placement Exam in Chemistry.

### **Physics Inquiry/Lab**

*Course Number: 5211*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: One or more units in science, recommend 'B' or better in Algebra I*

This course is an in-depth study, centered in lab experience, of the physical world. Central themes are the properties and interrelationships of matter and energy. Topics include: motion in a straight line, graphical analysis of motion, vectors, falling objects, projectile motion, Newton's Laws, friction, circular motion, universal gravitation, work and energy, electrical circuits and currents, static electricity, magnetism, and electromagnetism. Students with poor algebra skills should not attempt this course. A

*calculator and three-ring binder are required.*

### **Physics B AP/Lab**

*Course Number: 5212*

*Semesters: 2*

*Grade Level: 12 (11 with instructor permission)*

*Prerequisite: One or more units in science, completion of College Algebra/Trigonometry or Pre-Calculus Pre-AP OR may be concurrently enrolled with instructor approval*

Physics B AP is a college-level course taken in the high school setting and follows the recommended course outline published by the College Board for the trigonometry-based Physics B test. The course is appropriate for the advanced math/science student who is considering a major in the sciences or engineering. Students will learn to apply math principles to scientific theory. Class topics will include kinematics, dynamics, energy, and electricity and magnetism. Optional studies of thermodynamics, wave mechanics, geometric optics, and modern physics will also be offered. Students who complete this course and attend 4<sup>th</sup> quarter night lectures are encouraged to take the Advanced Placement Physics B Exam. A calculator and three-ring binder are required.

## **SOCIAL STUDIES**

### **Oklahoma History**

*Course Number: 5620*

*Semesters: 1*

*Grade Level: 9*

*Prerequisite: None*

This course integrates the richness of Oklahoma culture with Oklahoma's unique history, thriving economy, diverse geography, political foundations, and representative government. Students will explore events from European exploration to the present with emphasis on the influ-

ence of that past in molding the present. Major events and individuals who have shaped Oklahoma's heritage will be studied using a variety of teaching strategies including critical thinking, projects, simulations, and issue debates.

### **World History I and II**

*Course Number: 5737 and 5738*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: None*

This course provides a study of history and cultures from the Renaissance to the Post World War II era. Geography is integrated to provide the context or time and place to each unit of study. Emphasis will be placed on general understanding of the development of human societies through the specified ages and across the regions of the world. Students will study the historic development of world cultures and countries using chronological, geographic, topical, and inquiry approaches. Students will gain a deeper understanding of current events, international relations, and the increasing interdependence of nations through the study of interrelationships between countries and cultures. Critical thinking and analysis of political, economic, and social systems will be emphasized

### **World History I and II CONNECTIONS**

*Course Number: 5737 and 5738*

*Semesters: 2*

*Grade Level: 10*

*Prerequisite: Enrollment in corresponding 10<sup>th</sup> grade English course*

Connections combines the new 10<sup>th</sup> grade World Civilization and Cultures course into a creative two semester course integrated and teamed with the 10<sup>th</sup> grade English II course. Students will explore history with geographic perspectives and will explore fine arts of each historical era. Social Studies Connections teams with 10<sup>th</sup> grade English to provide unique opportunities with literature and writing.

## **U. S. History 1850-Present**

*Course Number: 5425*

*Semesters: 2*

*Grade Level: 11*

*Prerequisite: None*

Students will examine the influences of extraordinary people, the impact of immigration, causes of social and political decisions, and major historical events in United States history. This course will include a variety of research, exploratory learning, debates, lecture, cause and effect analysis, and critical thinking. The course is designed to meet state and national history, economic, and geography standards.

## **U. S. History AP Exploration to Present**

*Course Number: 5424*

*Semesters: 2*

*Grade Level: 11*

*Prerequisite: Strong interest in and commitment to the program, counselor recommendation*

The AP United States History course is a rigorous course that follows the outline recommended by the College Board. Activities will include practice in analyzing documents and using them in writing essays, guided reading and discussion of various selections, both primary and secondary, pertaining to significant issues and events in U.S. History, and various oral and written activities which enhance students' understanding of major themes in our nation's history. Students are encouraged to take the College Board's Advanced Placement Exam in U. S. History.

**Any student wishing to enter the AP program after the first semester must have teacher and counselor recommendation.**

## **Government**

*Course Number: 5540*

*Semesters: 1*

*Grade Level: 12*

*Prerequisite: None*

This course examines the basic structures of the U.S. government. The decision-making process in government is emphasized. Powers inherent to each branch of government are examined through the study of the Constitution of the United States and its amendments and other historical documents and local governing bodies. Democratic values and citizen participation are stressed throughout the course. Student participation in the community should be encouraged.

## **U.S. Government & Politics AP**

*Course Number: 5543*

*Semesters: 1*

*Grade Level: 12*

*Prerequisite: None*

AP United States Government & Politics is a rigorous course that follows the outline recommended by the College Board. Through readings, discussion, and written assignments, students will learn concepts concerning the political process and understandings of the political relationships between people and institutions. Students are encouraged to take the College Board's Advanced Placement Exam in U. S. Government.

## **SOCIAL STUDIES ELECTIVES**

### **The Cold War - 1945-1990**

*Course Number: 5732*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course will begin with a study of the world as it was impacted by the emergence of two rival superpowers and the resulting bipolarization of the rest of the world. The focus will be the efforts of the United States and the Soviet Union to widen their spheres of influence through the use of military forces and economic aid, and the long-term

effects of these policies. Further study will reveal the economic conditions that led to the eventual collapse of the Soviet Union and resolution of the Cold War era. Students will use internet research, group discussions, panels, and debates for learning.

## **Current Events - Causes, Conflicts, and Consequences**

*Course Number: 5542*

*Semesters: 1*

*Grade Level: 9, 10*

*Prerequisite: None*

This course will follow current world news reports. Units will include the roots of ongoing world conflicts such as the Arab/Palestinian conflict, Pakistani/Indian relations, Northern Ireland, the former Yugoslavia, former Soviet Republics, and North & South Korea. Students will look at both sides of issues such as famine and environmental preservation vs. economic progress. Students will analyze and evaluate the impact and consequences of each conflict. Methods will include research, panel discussions, debate, and other methods of active learning.

## **Economics**

*Course Number: 5520*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: U.S. History or currently enrolled*

Economics is a survey course designed to develop a basic economic vocabulary and a general understanding of fundamental economic concepts with an introduction to various economic systems. Activities designed to allow students to demonstrate their understanding of economic institutions and principles are emphasized. Students will discuss current economic events in light of their economic studies.

## Introduction to Psychology

*Course Number: 5639*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

This course examines the processes of sense perception, response to stimuli, emotions and motivations, personality, human development, mental disorders, and the interaction of the individual with the group. The course also provides an understanding of the intricacies of the mind and the nervous system, and of the activities of living beings and their interaction with the environment.

## Psychology AP

*Course Number: 5641*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: Introduction to Psychology*

AP psychology is a rigorous course that follows the outline recommended by the College Board. This course will include research, readings, discussion, and written assignments leading to an understanding of the basic concepts in psychology including the history and development of the field, research methods, the biological bases of behavior, human development, learning, memory, personality development, states of consciousness and abnormal psychology. Students are encouraged to take the College Board's Advanced Placement Exam in Psychology.

## Sociology

*Course Number: 5720*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

This course encompasses the study of the dynamics of behavior as individuals interact in various social groups. The study will include fundamental social concepts, group life, social institution, social change, group processes, and societal problems.

## TEST PREPARATION

### ACT Prep Class

*Course Number: 2711*

*Semesters: 1*

*Grade Level: 11, 12*

*Prerequisite: None*

This course is designed to assist students preparing for the ACT assessment test. The English portion will focus on the study and review of the elements of standard written English. The student will learn rhetorical skills and reading skills. The math portion will concentrate on algebra, geometry, and basic trigonometric processes. Students will practice problem-solving skills such as reading, drawing diagrams, analyzing data, and drawing conclusions.

### PSAT Prep Class

*Course Number: 2712*

*Semester: 1*

*Grade Level: 11*

*Prerequisite: None*

This course will prepare students for the Preliminary Scholastic Achievement Test given October 14, 2009. English course content includes strategies for taking the test, practice on verbal reasoning skills, reading comprehension skills, and vocabulary building. Math course content includes general information about the test, test taking strategies, and a review of specific subject matter. Students will take both a pre-test and a post-test in each content area. Students will complete daily lessons and homework will be required.

The class will meet during the summer from 9:00 a.m. – Noon, July 20th – 24th and July 27th – 31st. The class will meet before school from 7:15 a.m. – 8:15 a.m. Monday – Thursday each week from September 8th – October 8th. The class will also meet for four (4) weekend sessions in September and October.

**Transportation will not be provided.**

## TRI COUNTY TECHNOLOGY CENTER

The following programs will meet the computer technology requirement for college-prep and/or Oklahoma Promise: Business Administration and Management, Computer Aided Drafting, Graphic Communications, Networking Technology, Pre-Engineering. One full year equals one unit. If the student has met the foreign language requirement, these programs can be counted as "one additional unit."

Anatomy & Physiology/Lab credit will be transcribed for students enrolled in the first year of Health Science Technology or Dental Assisting Technology.

### Applied Welding Technology

*Course Number: 9541*

*Semesters: 2*

*Grade Level: 11, 12*

This program prepares you for a wide variety of career choices. You will receive training on various welding techniques and procedures such as arc welding, oxyacetylene welding, and gas metal and tungsten arc welding. Skills attained include shop organization, blueprint reading, and training for certification in STICK, TIG, and MIG welding. This course is designed to teach you skills necessary to pass Oklahoma state code tests and most major company code tests for TIG and MIG, and stick pipe welding. Good vision and manual dexterity are helpful in this career choice along with a desire to design projects.

### Auto Collision Repair Technology

*Course Number: 9041*

*Semesters: 2*

*Grade Level: 11, 12*

From the moment you step into the state-of-the-art workshop, you will receive hands-on training in many aspects of auto collision repair, including: shop safety, non-structural body repair, advanced body repair, and advanced painting and refinishing. Basic instruction focuses on the Automotive Service Excellence (A.S.E.) Task List, which is designed to meet A.S.E. standards. If you have good manual dexterity, eye-hand coordination, and are ready for hard, physical work, this program can lead you to a rewarding occupation.

### **Auto Service Technology**

*Course Number: 9044*

*Semesters: 2*

*Grade Level: 11 to enter*

This is one of the most rapidly advancing technologies in the world with many opportunities for skilled technicians. You will be trained in engine repair, power trains, electrical, engine performance, air conditioning, brakes, steering and suspension systems. Basic instruction focuses on the A.S.E. Task List. Auto Service offers hands-on experience including working with trainers, live-work projects, and using specialized tools.

### **Business Administration and Management**

*Course Number: 8421*

*Semesters: 2*

*Grade Level: 11, 12*

This course prepares high school students for career success in the administration, management and entrepreneurship fields. Students learn office software and procedures, video and web page design as well as, customer service and management strategies. Courses offered throughout this program apply towards an Associate degree or a more advanced degree.

### **Computer-Aided Drafting**

*Course Number: 9182*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Algebra I*

CAD prepares you for an exciting drafting and design career. You will begin with basic drawing theory and techniques before moving into more advanced CAD skills utilizing state-of-the-art computers and software programs. This hands-on class will study various levels of engineering CAD architecture, customizing CAD, as well as, advancing on to special projects. Emphasis is on the development of a professional portfolio and employability skills.

### **Construction Technology**

*Course Number: 9184*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Algebra I*

The Construction Technology program provides training for today's highly technical workforce. Students will explore all of the construction areas with major emphasis in Electricity, Plumbing, Carpentry, and Heat & Air. Upon completion of this program, students may begin working as an apprentice in a specific area or continue their education with one of our many college partners.

### **Cosmetology**

*Course Number: 9161*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: State board requirements*

This exciting program prepares you for a career utilizing your own creativity and entrepreneurial skills. You will begin hands-on instruction toward becoming a licensed cosmetologist, manicurist, or esthetician. The practical experience provided by the program helps you prepare to take the State Board of Cosmetology Licensing exam.

### **Culinary Arts**

*Course Number: 9600*

*Semesters: 2*

*Grade Level: 11, 12*

The hospitality industry is one of the nation's largest employers offering many different employment opportunities. Students are prepared through classroom experience, hands-on training, and the student-managed Osage Room Restaurant. Students also learn by preparing meals daily for the public in a commercial kitchen, in addition to catering breakfasts, lunches, and special events. Students rotate through the following stations: bakery/pastry, dinner/fry, salad/pantry, stewarding, restaurant, cafeteria/snack bar.

### **Dental Assisting**

*Course Number: 8510*

*Semesters: 2*

*Grade Level: 11, 12*

Dental Assisting prepares students for a rewarding career as part of the dental team. From the moment you step into the state-of-the-art dental clinic, you will experience the feeling of working in a professional dental environment. Instruction covered in the program includes anatomy and physiology, dental materials, chair-side dental assisting and front office functions. The curriculum focuses on issues related to becoming a professional and includes an emphasis on confidentiality, ethics and jurisprudence, communication skills and overall character formation. Course also includes a clinical internship at area private dental offices and clinics.

### **Early Care Education (Child Care)**

*Course Number: 9501*

*Semesters: 2*

*Grade Level: 11, 12*

Child Care prepares you for a rewarding career shaping the lives of young children. You will work with children ages 6 weeks to 5 years in our three-star NAEYC accredited child care center. This program is designed to intellectually, emotionally, socially and physically stimulate children. If you enjoy helping infants to preschool children create, discover, and investigate their surroundings, then this program is the

place to start. Courses include health, safety, nutrition, child development, creative arts, and classroom management for starters. Graduates are prepared to test for the Child Development Associate Credential which is a highly recognized credential among quality child care providers.

### **Graphic Communications**

*Course Number: 9991*

*Semesters: 2*

*Grade Level: 11, 12*

You will be prepared for an exciting and fast-paced career in offset printing, commercial art, advertising, journalism, public relations, and digital design. Students will work with Macintosh computers and the latest design software to construct creative and innovative designs for projects that you get to print on an offset press. If you are creative, enjoy designing and producing real world projects or if you are mechanically inclined, Commercial Printing is a great place to start.

### **Health Science Technology**

*Course Number: 8511*

*Semesters: 2*

*Grade Level: 11, 12*

This program will prepare you to deal with the challenges of the health care industry. The course has been created in cooperation with medical professionals and features actual clinical experience to educate students in a real world environment as a certified nursing assistant and/or certified medication aide. Students will learn basic knowledge and skills necessary for entry-level employment. Students study anatomy and physiology, medical terminology, medical office procedures, human growth and development, diseases, infection control, legal responsibilities, medical ethics, vital signs, first aid, and CPR. Upon completion, students may go on to advanced training.

### **Marketing Management & Entrepreneurship**

*Course Number: 8465*

*Semesters: 2*

*Grade Level: 11, 12*

Marketing Management prepares you for an exciting career while attending class and working on the job. This class has everything you need to get promoted or own your own business in management, banking/financial services, advertising, hotel/tourism, or apply credits toward college. You will learn management, selling techniques, employee survival skills, and supervisory skills. If you enjoy working with the public, have a strong work ethic, and good verbal and written communication skills, this program may be just for you.

### **Networking Technology**

*Course Number: 9253*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Algebra I*

The Networking program prepares you for a fast-paced career. Information flow has become a major industry in the U.S. Network personnel are responsible for managing and operating a computer network and troubleshooting client/server issues. Students will learn to work with hardware (computers and cables), software (operating systems and applications), and facilitate user needs. Students completing this program have the opportunity to gain various industry certifications and will be qualified to manage a computer network and work in a systems support capacity.

### **Precision Machining**

*Course Number: 9990*

*Semesters: 2*

*Grade Level: 11, 12*

*Prerequisite: Algebra I*

Machinists are skilled workers who are able to make all types of ma-

chined metal and plastic parts with machine tools. Students will learn to set up and operate all of the basic machine tools, read blueprints, and use all of the common metal working hand tools and precision measuring instruments. Along with these skills, students will learn the properties and heat treatment of the different metals to be machined. Additionally, students will learn how to operate computerized numeric controlled (CNC) machines.

### **Pre-Engineering**

*Course Number: 9183*

*Semesters: 2*

*Grade Level: 10, 11, 12*

*Prerequisite: Sophomores should have completed Algebra I, Geometry, and Biology I Honors. Juniors should also be enrolled in Pre-Calculus or College Algebra/Trigonometry and AP Biology II or AP Chemistry II. Seniors should also be enrolled in AP Calculus and AP Biology II, AP Chemistry II, or AP Physics*

The Pre-Engineering is designed to introduce students to engineering careers. The program combines higher-level math and science courses with a sequence of engineering courses to better prepare students for college. Pre-Engineering courses include Principles of Engineering, Introduction to Engineering Design, Digital Electronics, Engineering Design and Development, and a specialty course in one of the following: Computer Integrated Manufacturing, Civil Engineering and Architecture, Aerospace Engineering, and Biotechnical Engineering. Through projects students work in teams to research, design, and construct solutions to authentic engineering problems. The curriculum is based on the national Project Lead the Way Pre-Engineering program. At the end of the program, teams present their research papers and defend their projects to a panel of engineers, business leaders, and engineering college educators for professional review and feedback.