

NON-DISCRIMINATION

No student shall, on the basis of race, color, creed, sex, or national origin, be denied the benefit of, or be subjected to discrimination under any academic, counseling, research, occupational training or any other educational program or activity provided by Unified School District No. 501.

The building principal has the primary responsibility for working with students in establishing the rules, regulations, and by laws that shall govern any school-sponsored student organization. Such rules shall be non-discriminatory by providing an equal opportunity of race, color, creed, sex or national origin.

Any school-sponsored organization having a limited membership shall provide for selection and/or election procedures that will ensure representation of all racial and ethnic groups served by the school. This representation should approximate the percentage of the racial and ethnic groups enrolled in the school. Ensured representation shall not apply to those activities in which performance skills are the primary criteria for selection.

Topeka Unified School District No. 501 is committed to affirmative action and equal opportunity for employment. No student shall, on the basis of race, color, creed, sex, handicap, or national origin, be denied access to any appropriate educational program or activity provided by the district. The Title IX Compliance Coordinator is the Associate Superintendent of Instruction and Learning; and the Section 504 Compliance Coordinator is the General Director of Special Services.

*The cover was designed by Susie Corbett -
TWHS Art and Graphic Design Instructor*

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USD 501

MISSION STATEMENT

The mission of the Topeka Public Schools is to develop lifelong learners who are responsible, contributing members of society.

LEARNER OUTCOMES

We know our students will be lifelong learners who are responsible, contributing members of society when they possess:

ESSENTIAL SKILLS empowering them to read with comprehension, communicate orally and in written format, use mathematical principles, access information, and use technology effectively.

COMMUNICATION SKILLS empowering them to receive/convey ideas through reading, writing, visual images, and oral expression.

COMPLEX THINKING SKILLS empowering them to problem solve, synthesize, analyze and use divergent thinking for creative solutions.

GROUP SKILLS enabling them to collaborate without prejudice, bias, or discrimination.

PHYSICAL AND EMOTIONAL WELL BEING enabling them to enjoy healthy and productive lives.

A SENSE OF CIVIC RESPONSIBILITY inspiring them to contribute their time, talents and resources for the benefit of the community.

USD 501 NOTICE OF NONDISCRIMINATION

The Topeka Public Schools, Unified School District No. 501, is committed to affirmative action and equal opportunity. No person shall, on the basis of age, race, color, creed, religion, gender, disability, national origin or ancestry be denied lawful access to any appropriate educational service, program or activity provided by the school district. The Title IX compliance coordinator is the associate superintendent of administrative and support services. The Section 504 compliance coordinator is the general director of special services. The clerk of the Board of Education has been designated to receive and redirect or handle inquiries regarding nondiscrimination policies, regulations and procedures. The clerk may be contacted by calling (785) 295-3045 or by writing to 624 SW 24th Street, Topeka, Kansas 66611-1294

TOPEKA WEST HIGH SCHOOL MISSION STATEMENT

The mission of Topeka West High School is to work collaboratively with students, families, and the community to develop lifelong learners who are contributing members of an ever-changing society.

**GRADUATION REQUIREMENTS FOR THE CLASS OF
2010-2012
AT TOPEKA WEST HIGH SCHOOL**

Graduation requirements for Topeka West High School students are established according to state statutes, the State Board of Education regulation, and the policy of the Board of Education of District 501. A Unit is earned for each subject carried successfully for a school year or the equivalent. The last two (2) Units must be earned in residence at the high school granting the diploma.



1.	Language Arts	4 Units
	Freshman English	1 Unit
	Sophomore English	1 Unit
	Junior English	1 Unit
	Speech, Debate, Forensics, Acting, App. Comm. or Players	1/2 Unit
	Language Arts elective	1/2 Unit
2.	Consumer Education	1/2 Unit
	Consumer Skills, Economics, or Entrepreneurship	
3.	Physical Dimensions of Health	1 Unit
4.	Social Studies	3 Units
	World History	1 Unit
	U.S. History 1,2,3	1 1/2 Units
	U.S. Government	1/2 Unit
5.	Mathematics	3 Units
	In order to fulfill district mathematics criteria, all students must successfully complete a minimum of two semesters of Algebra and two semesters of Geometry in addition to demonstrating proficiency on a district-identified examination.	
6.	Science	3 Units
	Students must take a biological science, a physical science, and Earth/Space Science if not completing both chemistry and physics. In order to fulfill district science criteria, all students must successfully complete Biology or Honors Biology (1.0 unit) as well as courses selected from physical science, chemistry, and earth science (1.0-2.0 units). Specific courses will be determined by student need and what is available in each building. If necessary after these requirements have been met, students may choose the science course(s) needed to fulfill the 3.0 units requirement.	
7.	Fine Arts	1 Unit
	a. All art courses	
	b. All music courses	
	c. Other courses:	
	Acting 1, Acting 2, TW Players, Forensics, Survey of Fine Arts,	
	Photography, Photojournalism	
8.	Computer Literacy	1/2 Unit
9.	Electives	10 Units
	TOTAL UNITS NEEDED	26 UNITS

"The district shall graduate only students whose reading and math skills meet district graduation standards unless the student is exempted by his/her special education Individual Education Plan. The reading standard became effective with the freshman class of 1998. The mathematics standard became effective with the freshman class of 2001. Further, the district has identified the ACT Work Keys "Reading for Information" as an assessment tool to measure reading competency. It has identified the ACT Work Keys "Applied Mathematics" as an assessment tool to measure mathematics competency. Students will have multiple opportunities each year to complete this requirement prior to anticipated graduation date.

GRADUATION REQUIREMENTS FOR KANSAS BOARD OF REGENTS UNIVERSITIES

(Emporia State, Fort Hays State, Kansas State, Pittsburg State, University of Kansas, and Wichita State)

The following graduation requirements will meet admission standards required for freshmen to each of the Kansas State Regents universities, provided the students maintain a 2.0 unweighted GPA in these classes. These standards took effect beginning with the freshman class entering college in the fall semester in the year 2001. Students may also enter with an ACT score of 21 or higher or with an eight-semester unweighted class rank in the top third of their graduating class.

1.	Language Arts	4 Units
	Freshman English	1 Unit
	Sophomore English.....	1 Unit
	Junior English.....	1 Unit
	Senior English.....	1 Unit
	(1 semester of literature and 1 semester of composition from the approved listing)	
2.	Social Studies	3 Units
	World History	1 Unit
	U.S. History	1½ Units
	U.S. Government.....	½ Unit
3.	Mathematics (minimum Algebra, Geometry and Algebra 2)	3 Units
4.	Science	3 Units
	(Students must take either Chemistry or Physics)	
TOTAL UNITS		13 UNITS

STATE OF KANSAS SCHOLAR PROGRAM QUALIFICATIONS

If a student wishes to apply for a State of Kansas Scholarship, the following courses are required. In addition, students must meet specific GPA and ACT test scores.

English	Four years (composition, grammar and literature)
Mathematics	Four years of high school mathematics (Algebra A & B and Geometry A & B each equals <u>one year</u> of math)
Social Studies	Three years, including one year of American History and one semester of Government
Natural Sciences	Three years: one unit each of biology, chemistry, and physics (Each must include one laboratory per week).
World Language	Two years of the same language.

*Students are recommended to check the Board of Regents website at www.kansasregents.org for the exact listing of approved courses offered at TWHS or visit with their counselor.

NCAA ACADEMIC-ELIGIBILITY REQUIREMENTS

DIVISION 1

If you enroll in a Division I college in 2010 or later and want to participate in athletics or receive an athletics scholarship, you must meet all NCAA requirements for 2005-2007 and have completed two additional core courses (new total of 16) as shown below:

16 Required Core Courses

- Four years of English;
- **Three** years mathematics (Algebra 1 or higher level);
- Two years of natural or physical science (including one year of lab science if offered by your high school);
- One extra year of English, mathematics or natural/physical science;
- Two years of social science; and
- **Four** years of extra courses (from any category above, or foreign language, nondoctrinal religion or philosophy)

DIVISION II

If you enroll in a Division II college in 2005 or later and want to participate in athletics or receive an athletics scholarship, you must meet the following academic standards:

- Graduate from high school;
- Complete the 14 core courses listed below;
- Present a 2.000 grade-point average in your core courses; and
- Achieve a combined SAT score or 820 or a sum score or 68 on the ACT

14 Required Core Courses

- Three years of English;
- Two years of mathematics (Algebra I or higher level)
- Two years of natural or physical science (including one year of lab science if offered by your high school);
- Two extra years of English, mathematics or natural/physical science;
- Two years of social science; and
- Three years of additional courses (from any category above, or foreign language, nondoctrinal religion or philosophy).

Note: Beginning August 1, 2013, students planning to attend an NCAA Division II institution will be required to complete **16** core courses.

DIVISION III

Contact your Division III college regarding its policies on financial aid, practice and competition.

NCAA DIVISION 1 SLIDING SCALE CORE GRADE-POINT AVERAGE/TEST-SCORE

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

RANK IN CLASS

Rank in class will be determined after each semester for students using both the traditional and weighted grade point averages (GPA).

The traditional GPA will use the following system—A = 4 pts., B = 3 pts., C = 2 pts., D = 1 pt., F = 0 pts.

The weighted GPA will use the following system—A = 5 pts. B = 4 pts. C = 3 pts., D = 2 pts., F = 0 pts.

The weighted GPA will be used to determine the top 20% of the graduating class and the top student in the class, as well as scholarship recipients. Weighted grade points will be assigned only to the courses listed below:

AP Music Theory	Pre-AP U.S. History
AP English	AP U.S. History 1 & 2
AP European History	Honors World History
AP Biology	Honors U.S. Government
AP Chemistry	Honors Biology
AP Physics B	Honors Geometry
AP Spanish Language	Honors Algebra 2
Spanish 5	Honors Trigonometry and
French 4 & 5	Pre-Calculus
German 4 & 5	Honors English 9
AP Calculus AB	Honors English 10
AP Calculus BC	Honors English 11
AP Studio Art Debate 4	

ADVANCED PLACEMENT

Advanced Placement courses are college-level learning experiences offered to high school students. Student work of high quality is the expectation and more study and research time is required for students to meet the rigorous demands of the course materials. Students may elect to take standardized advanced placement tests in the spring after completing the course work and, depending on the outcome and the college/university, may earn college credit.

SCHOLARSHIP AND COLLEGE ADMISSIONS

Division Counselors, the College and Career Facilitator, and the Gifted Coordinator have information relating to scholarships and college admissions. Start post-secondary planning your junior year or at the latest early your senior year. You must give your counselor and teachers adequate time if they are to help you in the scholarship or admissions process. Counselors or teachers writing recommendations must have at least two weeks notification prior to due date. Materials due January 1 should be given to them by December 1 due to winter holidays.

COLLEGE PREP

COLLEGE PREPARATORY CURRICULUM

College-bound students at Topeka West High School are encouraged to take as many of the following courses as possible. If a student has determined a college major, counselors may recommend courses not listed below.

	<u>COURSE</u>	<u>DURATION</u>
FRESHMAN YEAR	Algebra	Year
	Geometry or Honors Geometry	Year
	World History or Honors World History	Year
	Freshman English or Honors Freshman English	Year
	Biology or Honors Biology	Year
	Physical Dimensions of Health	Year
	Foreign Language	Year
	Keyboarding/Integrated Computer Applications	Year
SOPHOMORE YEAR	Geometry or Honors Geometry	Year
	Algebra 2 or Honors Algebra 2	Year
	U.S. History 1 or Pre-AP U.S. History	Semester
	AP European History	Year
	Sophomore English or Honors Sophomore English	Year
	Speech, Acting, Debate or Forensics	Semester
	Physiology or Physical Science or Chemistry	Year
	Foreign Language	Year
Consumer Skills	Semester	
JUNIOR YEAR	Honors Trigonometry/Pre Calculus or Functions, Statistics & Trigonometry	Year
	AP U.S. History 1 & 2 or U.S. History 2 & 3	Year
	Honors Junior English or Junior English	Year
	AP Chemistry or Chemistry or Physical Science	Year
	Foreign Language	Year
SENIOR YEAR	AP Calculus AB or AP Calculus BC	Year
	Honors U.S. Government	Semester
	U.S. Government	Semester
	Economics	Semester
	Psychology	Semester
	AP English Literature or Senior Composition & a Literature Class	Year
	AP Biology	Year
	AP Physics or Physics	Year
	Foreign Language	Year

NOTE: See the section on Washburn University's Concurrent Enrollment program for information on earning college credits while taking some classes here at West (page 9).

CHOOSING COURSES

College admissions committees look for English, social studies, mathematics, science and foreign language study in the programs of well-qualified students. Consider these suggestions when planning your course selections:

1. Endeavor to meet not only the colleges' stated requirements but also their recommendations.
2. Study each subject in depth. Continue in a sequence as long as your interest and achievement in the subject warrant it. Colleges prefer candidates who pursue long-term sequential study in the basic academic disciplines.
3. Select electives for the right reasons: for example, don't choose Advanced Placement Physics because your best friend is taking the class and don't choose Business Law just because someone says, "It's good for pre-law." Some right reasons for electing courses are: "I have room for this elective, and it really interests me." "It is my intended career choice, and I would like some preview of what the field has to offer." Don't be naive about your preferences. Develop solid reasons for choosing your preferred electives based on facts that you have carefully researched and checked out with your counselor.
4. Don't pass up a difficult subject because you think it may hurt your class rank. Remember that rank is always relative to the strength of the program you carry. A "B" in an honors or advanced course is as good as, maybe better than, an "A" in a regular class. The colleges know this and base their admission judgment on it.
5. College athletic scholarships require that you have successfully completed the NCAA designated core curriculum to be eligible for their scholarships.

CREDIT/NO CREDIT CLASSES

Any student who is enrolled in a full schedule may elect to take one of the subjects on a credit/no credit basis.

Students who plan to take a class on the credit/no credit basis must indicate their decision in writing to their division office no later than the sixth week of the semester.

A maximum of three units taken on the credit/no credit plan will be counted toward graduation.

Any course used to meet NCAA or Board of Regents requirements cannot be taken credit/no credit.

KSHSAA ELIGIBILITY

In order to be eligible for Kansas State High School Activities Association events a student must be currently passing in five classes and have passed five classes the preceding semester. Some examples of KSHSAA activities are sports, cheerleading, debate, music, and dance team.

ENROLLMENT

ENROLLMENT REQUIREMENTS

All students must be enrolled in a full schedule both semesters. The exception would be second semester seniors in good standing. All schedule changes must be made prior to the start of each semester. Upon reaching the first full day of instruction of any semesters, and assuming you have a full schedule, you may **petition** your Division for a schedule change the first three days of first semester and the first two days of second semester. The Division will make the final decision on the validity of your request.

AUDITIONS

Any student who wishes to enroll in Concert Choir, Choraliers, West Singers, Stage Band, Premier Strings, Precision Dance, or West Players will need to audition in the spring.

CONCURRENT ENROLLMENT PARTNERSHIP (CEP) PROGRAM

Topeka Public Schools and Washburn University

The goal of the CEP program is to enhance the transition from high school to college by providing eligible students the option of earning WU academic credit at a reduced tuition rate for the successful completion of a select group of courses. The CEP courses are limited to juniors and seniors who have at least a 3.0 cumulative high school GPA. Additionally, students enrolling in College Algebra must either score 22 on the ACT Math Exam or the equivalent score on the COMPASS Math Test. Courses offered for concurrent credit are:

TWHS	W.U.	Credit Hours
AP Biology	Introduction to Biology	3
AP Literature & Composition	English Literature	3
AP U.S. History 2	History of the U.S. 1	3
AP U.S. History 3	History of the U.S. II	3
Senior Math	College Algebra	3

DUAL CREDIT

Students may elect to take classes for dual credit. The procedure is:

- A. Students wishing to take a college course shall make this request to the building principal the semester prior to enrollment in the course.
- B. Students may enroll in a college course if that course is not offered at their attendance center or if the building principal grants an exception.
- C. Dual credit may be approved by the building principal for college courses taken at an accredited institution. Credit shall be shown on the high school transcript as credit or no credit. This credit/no credit is to be in accordance with all provisions in Administrative Regulation Number 6150-1. College courses shall not be used in the calculation of the student's high school grade point average.
- D. One-half (.5) high school unit may be awarded for successful completion of at least a three-hour credit college course. No more than one-half (.5) high school unit will be awarded per semester for college-level courses.
- E. The building principal will have the responsibility for approving participation in college courses and awarding high school credits.

SENIORS

COLLEGE COURSES AND ELIGIBILITY

Students desiring to enroll in college courses and participate in KSHSAA sanctioned activities must adhere to the following guidelines, as well as the Dual Credit policy.

- A 3-hour college course is counted as one high school class.
- A 5-hour college course is counted as two high school classes.
- A student must enroll in a minimum of 3 high school courses along with sufficient college courses to meet the 5 class eligibility ruling.
-

Examples:

- 3 classes at Topeka West and one 5-hour college course.
- 3 classes at Topeka West and two 3-hour college courses.
- 4 classes at Topeka West and one 3-hour college course.

GUIDANCE DEPARTMENT

Based on the Kansas Comprehensive Guidance Model, school counseling addresses three essential student components: Personal/Social, Academic, and Career Counseling. School counseling is comprehensive in scope, preventive in design, and developmental in nature. The program is designed to ensure that all students benefit from participating. Here is a list of some examples of guidance activities:

- *Provide guidance curriculum programs for all grades.
- *Monitor academic progress in conjunction with the Extended Learning Center.
- *Provide credit checks for all juniors and seniors.
- *Provide information on graduation requirements, Qualified Admissions, NCAA Clearinghouse, and State of KS Regents Scholars.
- *Coordinate all enrollment.
- *Provide standardized testing and post-secondary testing.
- *Provide assistance in transition to college, work, military, and technical schools.
- *Promote student recognition.
- *Coordinate post-secondary applications, recommendation letters, scholarships, and financial aid information.
- *Coordinate summer school enrollment.
- *Provide crisis intervention, mediation, and advocacy services.
- *Provide community service opportunities.
- *Provide students internship experiences.

GRADE ADVANCEMENT

Topeka West High School has a policy regarding units earned and grade advancement. This policy is based upon the current requirement that a student earn 26 units in order to graduate from the Topeka Public Schools. A unit is earned for each subject carried successfully for a school year or the equivalent. The policy is as follows:

A freshman must have earned (6) units to be considered a sophomore for the next school year.

A sophomore must have earned (13) units to be considered a junior for the next school year.

A junior must have earned (18) units to be considered a senior for the next school year.

A senior must have earned (26) units by the end of the second semester to participate in the graduation ceremony.

HONOR ROLL

To be eligible for any Honor Roll listing, students must receive at least five letter grades (A, B, or C). Grades are computed on a weighted scale.

At the conclusion of each quarter (except fourth) an Honor Roll list will be displayed on campus and published in the *West Word*. Students who achieve a grade point average of 4.0 are designated "Champions". Those who earn a 3.50 - 3.99 grade point average are designated as "Challengers". Students earning a 3.00-3.49 are designated as "Chargers".

NATIONAL HONOR SOCIETY

Topeka West juniors and seniors are eligible for membership in National Honor Society. Students must have at least a 3.4 grade point average on a weighted scale and demonstrate the qualities of leadership, character and service. Information forms are mailed to all students who qualify academically. This is done at designated times of the year-- juniors in February and seniors in October. Details regarding criteria and the application process are in the Topeka West Student-Parent Handbook.

ACADEMIC LETTERING

Students maintaining exemplary grade point averages will be awarded academic letters at the annual Academic Awards Program in May.

To qualify for an academic letter: 1) students must be in at least their fourth semester of attendance at Topeka West, and 2) students must have a weighted grade point average of 3.50 or higher.

Students initially receive a letter and a lamp of learning pin. In subsequent years, students who maintain the 3.50 grade point average receive a bar to place on their letter.

INDEPENDENT STUDY

This program is open to those who wish to study subject matter of particular interest that is not offered in the regular curriculum. Refer to course #1390 in the Topeka West Program of Studies.

COURSES WHICH CAN BE TAKEN MORE THAN ONCE

1320	Classroom Assistant	4123	Painting 2
1350	Library Assistant	4136	Advanced Digital Imaging
1360	Office Assistant	4091	3D Computer Graphics 2
1385	Mentor Leadership	4155	AP Studio Art
1390	Independent Study	4181	Advanced Photography
1392	Stagecraft 2	4344	Charger Band
1405	Career Focus	4347	Stage Band
1442	TV/Video Production 2	4365	Instrumental Ensemble
2235	Advanced Textiles & Apparel	4369	Strings
3710	Advanced Newspaper	4373	Premier Strings
3721	Advanced Yearbook	4393	Choraliers
3735	Forensics	4383	Concert Choir
3744	Advanced Debate	4387	Charger Chorus
3761	Topeka West Players	4399	West Singers
4079	Graphic Design 3	6443	Aerobic Conditioning
4081	Ceramics 2	6445	Strength Conditioning
4091	3D Computer Graphics 2	6463	Precision Dance
4101	Drawing 2	8590	Gifted Independent Study
4111	Jewelry 2		

RELIGION PROGRAM CREDIT

Course work directed specifically toward religion will not be accepted for transfer credit. At Topeka West High School, non-doctrinal religious courses may be accepted for credit.

FOREIGN EXCHANGE STUDENTS' GRADUATION REQUIREMENTS

Foreign Exchange Students must have completed three years of high school (9th, 10th, and 11th grade) prior to enrollment at Topeka West High School and must meet all Topeka West graduation requirements in order to receive a Topeka West High School diploma and to participate in Commencement ceremonies. Applications must be made prior to August 1 in order to be considered for admission to Topeka West. All transcripts must be in English in order to be admitted to Topeka West. Transcripts will be reviewed and grade placement will be determined by Topeka West staff.

HOPE STREET ACADEMY

Hope Street Academy is an alternative high school in USD #501 serving district students in grades 10-12 who have non-traditional academic needs. Topeka West students interested in attending Hope Street must contact their Division Counselor. Students' names are placed on a waiting list and screened for possible Hope Street admission on a quarter or semester basis. All high schools in USD #501, including Hope Street Academy, have the same graduation requirements. Students who choose to attend Hope Street will become Hope Street students and graduate from Hope Street Academy rather than Topeka West High School.

HOME-SCHOOLED STUDENTS

Topeka West reserves the right to request any type of validation necessary to help us determine the appropriate course and grade placement. Examples could be homework, tests, textbook used, themes, projects and any other materials which could show the progress of the home-schooled students.

Classes approved for credit within the guidelines of USD 501 policy will be entered on the transcript as a "CR" for credit or "N" for no credit.

Topeka West will make every effort to enroll our home-schooled students in an appropriate course of study. Please contact your division counselor for any additional guidelines.

TESTING

COLLEGE BOUND

PSAT **PRELIMINARY SAT**

It is given in October each year. A good practice test for the SAT, this is the only method by which a student can compete for the National Merit Scholarship. Students must take this in their junior year to be eligible for competition.

ACT- Required for most Kansas Colleges and many in the Midwest area. Although given five times during the year, it is recommended that students take the test in the spring or summer of their junior year for college admission. At Topeka West High School, the test is given in October, December, February and April.

SAT I & SAT II **SAT I—REASONING AND SAT TEST II—SUBJECT**

These are part of the College Board Testing Program. Many of the selective colleges require these tests. (It is given five times in Topeka with Topeka West giving it in May.)

ADVANCED PLACEMENT TESTS - **AP TESTS** are given in May to those students who have been enrolled in AP classes and opt to try for college credit. Students may take AP tests in any area in which a test is available.

REQUIRED TESTING

STATE ASSESSMENTS

KANSAS ASSESSMENTS IN READING, MATHEMATICS, SOCIAL STUDIES AND SCIENCE

Kansas Assessments are administered at various grade levels in each of these areas.

INTEREST INVENTORY

Student interests are assessed to determine certain career options the student might want to investigate. The test is given to freshmen.

GRADUATION TESTING REQUIREMENT - Required testing of all ninth graders.

ACT WORK KEYS READING FOR INFORMATION and

ACT WORK KEYS & APPLIED MATHEMATICS

These tests are a means of meeting district graduation proficiency requirements in reading and mathematics. Only those students who pass these tests as well as completing all Topeka West graduation requirements will be tendered a diploma

ART

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
3713	Photojournalism	10, 11, 12	Fall/Spring	1/2
4050	Art History	11, 12	Spring	1/2
4060	Survey Fine Arts	9, 10, 11, 12	Fall/Spring	1/2
4070	Design	9, 10, 11, 12	Fall/Spring	1/2
4072	Art Selves	9, 10, 11, 12	Fall/Spring	1/2
4077	Graphic Design 1	9, 10, 11, 12	Fall/Spring	1/2
4078	Graphic Design 2	10, 11, 12	Fall/Spring	1/2
4079	Graphic Design 3	10, 11, 12	Fall/Spring	½
4080	Ceramics 1	10, 11, 12	Fall/Spring	1/2
4081	Ceramics 2	10, 11, 12	Fall/Spring	1/2
4090	3D Computer Graphics 1	10, 11, 12	Fall	1/2
4091	3D Computer Graphics 2	10, 11, 12	Spring	1/2
4100	Drawing 1	9, 10, 11, 12	Fall/Spring	1/2
4101	Drawing 2	10, 11, 12	Fall/Spring	1/2
4110	Jewelry 1	10, 11, 12	Spring	1/2
4111	Jewelry 2	10, 11, 12	Spring	1/2
4120	Painting 1	10, 11, 12	Fall/Spring	1/2
4123	Painting 2	11, 12	Fall/Spring	1/2
4130	Printmaking	10, 11, 12	Fall/Spring	1/2
4135	Digital Imaging	11, 12	Fall/Spring	1/2
4136	Advanced Digital Imaging	11, 12	Fall/Spring	1/2
4140	Sculpture	10, 11, 12	Spring	1/2
4150	Studio Art	11, 12	Fall/Spring	1/2-1
4155	A.P. Studio Art	12	Year	1
4180	Photography	10, 11, 12	Fall/Spring	1/2
4181	Advanced Photography	10, 11, 12	Fall/Spring	1/2

SUGGESTED ART COURSE SEQUENCE

1st Semester	2nd Semester	3,4,5,6,7,8th Semester	6, 7, 8th Semester	7, 8 Semester
Design	Drawing 1 Graphic Design 1	Jewelry 1 Ceramics 1 Painting 1	Printmaking Sculpture Ceramics 2	Independent Study Studio Art A.P. Studio Art Graphic Design 3
Survey of Fine Arts	Survey of Fine Arts	Photography Adv. Photography Graphic Design 1	Jewelry 2 Painting 2 Drawing 2	
Art Selves	Art Selves	Digital Imaging Graphic Design 2 Art Selves 3D Computer Graphics 1	Studio Art Graphic Design 2 Graphic Design 3 3D Computer Graphics	

BUSINESS

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
2040	Introduction to Business	9, 10, 11, 12	Fall/Spring	½
2041	Keyboarding 1	9, 10	Fall/Spring	½
2042	Computerized Document Processing	9, 10, 11, 12	Fall/Spring	½
2045	Word Processing/ Telecommunications	10, 11, 12	Fall/Spring	½
2049	Integrated Computer Applications	9, 10, 11, 12	Fall/Spring	½
2050	Spreadsheet/Database	10, 11, 12	Fall/Spring	½
2060	Multimedia 1	10, 11, 12	Fall	½
2070	Multimedia 2	10, 11, 12	Spring	½
2079	Accounting 1	10, 11, 12	Fall	½
2080	Accounting 2	10, 11, 12	Spring	½
2083	Computerized Accounting 3	11, 12	Fall	½
2084	Computerized Accounting 4	11, 12	Spring	½
2100	Desktop Publishing	10, 11, 12	Fall	½
2101	Business Communications	10, 11, 12	Fall/Spring	½
2105	Business Law	11, 12	Spring	½
2115	Entrepreneurship	11, 12	Fall	½
2117	Advanced Entrepreneurship	11, 12	Spring	½
2145	In-House Training	12	Year	1
2150	*On the Job Training/Office Technology	12	Year	2-4
2160	Web Design 1	11, 12	Fall	½
2170	Web Design 2	11, 12	Spring	½

*Students must enroll in at least two hours of OJT.

SUGGESTED BUSINESS COURSE SEQUENCE

Freshman Year	Sophomore Year	Junior Year	Senior Year
Computerized Document Proc. Integrated Computer App.	Word Processing/Telecomm. Business Communications	Accounting 1 Entrepreneurship	Computerized Acct.3 On-the-Job Training
Computerized Document Proc. Integrated Computer App. Introduction to Business	Word Processing/Telecomm. Business Communications	Accounting 2 Advanced Entrepreneurship Business Law	Computerized Acct. 4 On-The-Job Training Business Law

SUGGESTED COMPUTER STUDIES COURSE SEQUENCE

Freshman Year	Sophomore Year	Junior Year	Senior Year
Computerized Document Proc. Integrated Computer App.	Word Processing/Telecomm. Desktop Publishing	Multimedia 1 Spreadsheet/Database Web Design 1	In-House Training(Web Design) On-The-Job Training
Computerized Document Proc. Integrated Computer App. Word Processing/Telecomm (By Consent)	Word Processing/Telecomm. Desktop Publishing	Multimedia 2 Spreadsheet/Database Web Design 2	In-House Training (Web Design) On-The-Job Training

FAMILY AND CONSUMER SCIENCES EDUCATION

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
2230	Textiles and Apparel	9, 10, 11, 12	Fall/Spring	½
2235	Advanced Textiles and Apparel	9, 10, 11, 12	Fall/Spring	½
2242	Fashion Merchandising 1	10, 11, 12	Fall/Spring	½
2251	Nutrition and Meal Planning 1	9, 10, 11, 12	Semester	½
2252	Nutrition and Meal Planning 2	9, 10, 11, 12	Semester	½
2256	Culinary Arts & Hospitality Careers	10, 11, 12	Semester	½
2257	Nutrition and Wellness	10, 11, 12	Fall/Spring	½
2260	International Cuisine	10, 11, 12	Semester	½
2280	Human Growth and Development	10, 11, 12	Fall/Spring	½
2281	Parenting	10, 11, 12	Fall/Spring	½
2285	Child Development Lab	11, 12	Spring	1
2291	Consumer Skills	10, 11, 12	Fall/Spring	½
2311	Balancing Career and Family	11, 12	Fall/Spring	½
2321	Career and Life Planning	9, 10	Fall/Spring	½
2331	Interior Design	10, 11, 12	Fall/Spring	½
2340	Career and Community Connections	11, 12	Fall	½

SUGGESTED COURSE SEQUENCE

1 st Course	2 nd Course	3 rd Course	4 th Course
Nutrition & Meal Planning 1	Nutrition & Meal Planning 2	Culinary Arts & Hospitality Careers	International Cuisine
Human Growth & Development	Balancing Career & Family	Nutrition & Wellness	Career Connections
Parenting	Advanced Textiles & Apparel	Child Development Lab	
Career & Life Planning		Human Growth & Development	
Textiles & Apparel		Fashion Merchandizing	
		Interior Design	

LANGUAGE ARTS

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
Composition				
3433	Senior Composition	12	Fall/Spring	½
3441	Honors English 9	9	Year	1
3443	Honors English 10	10	Year	1
3445	English 10	10	Year	1
3450	English 9	9	Year	1
3470	Professional Communications	12	Fall/Spring	½
3471	Creative Writing 1	10, 11, 12	Fall/Spring	½
3472	Creative Writing 2	11, 12	Spring	½
3521	English 11	11	Year	1
3522	Honors English 11	11	Year	1
3535	AP English, Literature and Composition	12	Year	1
Reading				
3115A	Literacy Workshop	10, 11	Fall	½
3115B	Literacy Workshop	10, 11	Spring	½
3119	Literacy Workshop 1	9	Fall	½
3120	Literacy Workshop 2	9	Spring	½
Journalism				
3709	Newspaper 1	10, 11, 12	Year	1
3710	Advanced Newspaper	11, 12	Year	1
3711	Journalism 1	9, 10, 11, 12	Fall/Spring	½
3712	Journalism 2	9, 10, 11, 12	Fall/Spring	½
3721	Yearbook 1	10, 11, 12	Year	1
3722	Advanced Yearbook	11, 12	Year	1
Speech Arts				
3730	Speech	9, 10, 11, 12	Fall/Spring	½
3735	Forensics	9, 10, 11, 12	Spring	½
3741	Novice Debate	9, 10, 11, 12	Fall	½
3744	Advanced Debate	10, 11, 12	Fall	½
3745	Debate 4	12	Fall	½
3751	Acting 1	10, 11, 12	Semester	½
3752	Acting 2	10, 11, 12	Semester	½
Theater Arts				
3756	Theater Appreciation	9, 10, 11, 12	Semester	½
3761	TWHS Players	10, 11, 12	Year	1
Literature				
3474	Graphic Novel	11, 12	Fall/Spring	½
3630	Sports Literature	9, 10, 11, 12	Fall/Spring	½
3640	Contemporary Literature	11, 12	Fall/Spring	½
3650	Dramatic Literature	10, 11, 12	Fall Spring	½
3680	Mythology	11, 12	Fall/Spring	½
3691	World Literature	11, 12	Fall/Spring	½

MATHEMATICS

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
5102A	Algebra A - Semester 1	9	Fall	1
5102B	Algebra B - Semester 2	9	Spring	1
5103A	Geometry A - Semester 1	10	Fall	1
5103B	Geometry B - Semester 2	10	Spring	
5110	Algebra	9, 10, 11, 12	Year	1
5110H	Algebra (every day)	9	Fall	1
5124	Honors Algebra 2	10, 11, 12	Year	1
5125	Geometry	9, 10, 11, 12	Year	1
5130	Algebra 2	10, 11, 12	Year	1
5136H	Algebra 2A/B	11	Year	1
5140	Functions, Statistics, and Trigonometry	11, 12	Year	1
5154	Honors Geometry	9	Year	1
5154H	Honors Geometry (every day)	9	Spring	1
5180	Pre-Calculus	12	Year	1
5183	Honors Pre-calculus/ Trigonometry	11, 12	Year	1
5185	AP Calculus A.B.	12	Year	1
5186	AP Calculus B.C.	12	Year	1
5210	Probability & Statistics	11, 12	Spring	1/2
5220	College Algebra	11, 12	Fall	1/2

SUGGESTED COURSE SEQUENCE

Honors Algebra, Fall Honors Geometry, Spring	Honors Algebra 2	Honors Trigonometry/ Pre-calculus	AP Calculus A.B. AP Calculus B.C. College Algebra
Geometry	Algebra 2	Functions, Statistics, and Trigonometry	College Algebra Pre-calculus
Algebra or Geometry	Geometry or Algebra	Algebra 2	Functions, Statistics and Trigonometry
Algebra A/Algebra B	Geometry A/ Geometry B	Algebra 2 OR Algebra 2A/B	Functions, Statistics and Trigonometry

MUSIC

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
4344	Varsity (Charger) Band	9, 10, 11, 12	Year	1
4347	Stage Band	9, 10, 11, 12	Year	1
4365	Instrumental Ensemble	9, 10, 11, 12	Fall/Spring	1/2
4369	Strings	9, 10, 11, 12	Year	1
4373	Premier Strings	9, 10, 11, 12	Year	1
4383	Concert Choir	9, 10, 11, 12	Year	1
4387	Charger Chorus (Male & Female)	9, 10, 11, 12	Fall/Spring	1/2
4393	Choraliers	9, 10, 11, 12	Year	1
4399	West Singers	9, 10, 11, 12	Year	1
4402	AP Music Theory	11, 12	Year	1

PHYSICAL EDUCATION

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
6431	Lifetime Sports	10, 11, 12	Fall/Spring	1/2
6433	Team Sports	10, 11, 12	Fall/Spring	1/2
6443	Aerobic Conditioning	10, 11, 12	Fall/Spring	1/2
6447	Strength Conditioning	10, 11, 12	Fall/Spring	1/2
6463	Precision Dance	10, 11, 12	Year	1
6510	Physical Dimensions of Health	9, 10, 11, 12	Year	1

SOCIAL STUDIES

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
6100	World History	9	Year	1
6104	Honors World History	9	Year	1
6111	U.S. History 1	10	Fall/Spring	½
6112	U.S. History 2	11	Fall	½
6113	U.S. History 3	11	Spring	½
6130	United States Government	12	Fall/Spring	½
6134	Honors U.S. Government	12	Fall/Spring	½
6135	Pre-AP U.S. History	10	Fall/Spring	½
6137	AP U.S. History 1	11	Fall	½
6138	AP U.S. History 2	11	Spring	½
6145	AP European History	10, 11, 12	Year	1
6180	Current Social Issues	10, 11, 12	Fall/Spring	½
6190	Economics	11, 12	Fall/Spring	½
6210	Ethnic Studies	10, 11, 12	Fall/Spring	½
6240	Kansas History	10, 11, 12	Fall/Spring	½
6270	Psychology	10, 11, 12	Fall/Spring	½
6278	Issues In Psychology	11, 12	Semester	½
6280	Sociology	11, 12	Fall/Spring	½

SOCIAL STUDIES RECOMMENDED COURSE SEQUENCE

Grade 9	Grade 10	Grade 11	Grade 12
World History Honors World History	U.S. History 1 Pre-AP U.S. History Psychology Current Social Issues Ethnic Studies AP European History Kansas History	U.S. History 2 & 3 AP US History 1 & 2 Economics Sociology	Government AP European History Economics Honors U.S. Government

SCIENCE

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
5577A	Earth/Space Science S-1	10, 11, 12	Fall/Spring	1/2
5640	Biology	9, 10	Year	1
5644	Honors Biology	9, 10	Year	1
5645	AP Biology	11, 12	Year	1
5650	Human Anatomy and Physiology	*10, 11, 12	Year	1
5652	Zoology 2	*10, 11, 12	Fall/Spring	1/2
5671A	Physical Science 1	10, 11	Fall/Spring	1/2
5671B	Physical Science 2	10, 11	Fall/Spring	1/2
5672	Physical Science 3	10, 11, 12	Fall/Spring	1/2
5680	Chemistry	10, 11, 12	Year	1
5685	AP Chemistry	11, 12 (10 w/recommendations)	Year	1
5690	Physics	11, 12	Year	1
5695	AP Physics	11, 12	Year	1
5700	Astronomy	11, 12	Spring	1/2
5710	Ecology	*10, 11, 12	Fall	1/2

State Assessments require: **Biology, Physical Science (PS)1 or Chemistry, Physical Science (PS)2 or Physics, and Earth/Space(E/S) Science.**

Science Course Prerequisites

Physical Science 1	Biology
Physical Science 2	Biology, Algebra I
Physical Science 3	Physical Science II, Algebra I
Earth Science	Biology
Chemistry	Biology, Algebra I
Astronomy	Biology, Geometry, Physical Science II or Chemistry or Physics
Physics	Biology, Geometry with Algebra II Concurrent
AP Chemistry	Biology, Geometry with Algebra II Concurrent, Physics or Chemistry or consent
AP Physics	Biology, Algebra II, Chemistry or Physics or consent
AP Biology	Biology or Honors Biology, Chemistry
Anatomy and Physiology	*Biology or Honors Biology
Zoology 2	*Biology or Honors Biology
Ecology	*Biology or Honors Biology

*10th grade students need to be enrolled in a Physical Science class concurrently

Science Course Progression

SA	Biology	→	Physical Science I	→	Earth Science	→	Physical Science II	→	Science Elective
	(1.0)		(.5)		(.5)		(.5)		(.5)
SA, BR	Biology	→	Phys. Science I	→	Phys. Science II	→	Earth Science with Chemistry and or Physics and or A&P		
	(1.0)		(.5)		(.5)		(.5)		(1.0) (1.0) (1.0)
SA, BR	Biology	→	Earth Science	→	Phys. Science II	→	Chemistry	→	Physics or Anatomy and Physiology
	(1.0)		(.5)		(.5)		(1.0)		(1.0)
SA, BR	Biology or Honors Biology	→	Chemistry	→	Physics or PS II and Earth Science with Anatomy and Physiology				
	(1.0)		(1.0)		(1.0)		(1.0)		(.5) (.5) (1.0)
SA, BR	Honors Biology	→	Chemistry and or Physics	→	AP Chemistry and or AP Biology and or AP Physics				
	(1.0)		(1.0)		(1.0)		(1.0)		(1.0)

BR: Sequence satisfies the course work needed for Board of Regents entry. Requires three 1.0 credit courses.

SA: Sequence satisfies the course work needed to take the State Assessment.

Physical Science I: Satisfies the Chemistry portion of the State Assessment.

Physical Science II: Satisfies the Physics portion of the State Assessment.

Earth Science: Satisfies the Earth- Space portion of the State Assessment.

Science Electives

Astronomy (A&P)	Ecology	Zoology 2	Physical Science III	Anatomy and Physiology
(.5)	(.5)	(.5)	(.5)	(1.0)

**The Science department would encourage four years of science so electives could also include Physics, Chemistry, Physical Science I, Physical Science II, AP Biology, AP Physics and AP Chemistry.

***Graduation requirements for Science are one unit of Biology and one unit of Physical Science.

(Physical Science I and Physical Science II or Chemistry or Physics constitute Physical Science credit.)

TRADE AND INDUSTRY

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
2430	Introduction to Industrial Technology	9, 10, 11, 12	Fall	½
2435	Drafting (Architectural, Mechanical)	9, 10, 11, 12	Spring	½
2436	Drafting/CAD 1	10, 11, 12	Year	1
2437	Architectural Design	10, 11, 12	Year	1
2450	Research and Design in Building Trades	11, 12	Year	1
2474	Cabinet Making and Furniture Design 1	10, 11, 12	Year	1
2475	Cabinet Making and Furniture Design 2	11, 12	Year	1

MISCELLANEOUS

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
1320	Classroom Assistant	11, 12	Fall/Spring	1/2
1321	Army JROTC	9, 10, 11, 12	Year	1
1322	Army JROTC	10, 11, 12	Year	1
1323	Army JROTC	11, 12	Year	1
1324	Army JROTC	12	Year	1
1335	Math Aide Program	11, 12	Year	1
1350	Library Assistant	11,12	Year	1
1360	Office Assistant	11, 12	Fall/Spring	½
1385	Mentor Leadership	11, 12	Fall	½
1390	Independent Study	12	Fall/Spring	½
1391	Stagecraft 1	9, 10, 11, 12	Year	1
1392	Stagecraft 2	10, 11, 12	Year	1
1405	Career Focus	12	Semester	½-1
1415	Academic Support	9,10,11,12	Fall/Spring	NC
1420	Teacher Aide	11, 12	Fall/Spring	½ –1
1441	TV/Video Production	10, 11, 12	Fall/Spring	½
1442	TV/Video Production 2	11, 12	Fall/Spring	1/2
1465	College Prep	12	Fall	½
6463	Precision Dance	10, 11, 12	Year	1

WORLD LANGUAGE

COURSE NUMBER	COURSE	GRADE PLACEMENT	SEMESTER	UNIT
3841	French 1	9, 10, 11, 12	Year	1
3842	French 2	10, 11, 12	Year	1
3843	French 3	11, 12	Year	1
3844	French 4	12	Year	1
3847	French 5	12	Year	1
3851	German 1	9, 10, 11, 12	Year	1
3852	German 2	10, 11, 12	Year	1
3853	German 3	11, 12	Year	1
3854	German 4	12	Year	1
3857	German 5	12	Year	1
3891	Spanish 1	9, 10, 11, 12	Year	1
3892	Spanish 2	10, 11, 12	Year	1
3893	Spanish 3	10, 11, 12	Year	1
3895	AP Spanish Lang.	11, 12	Year	1
3897	Spanish 5	12	Year	1

SUGGESTED COURSE SEQUENCE

8th Grade	Freshman	Sophomore	Junior	Senior
French I German I Spanish I	French 2 German 2 Spanish 2	French 3 German 3 Spanish 3	French 4 German 4 Adv Placement Spanish Language	French 5 German 5 Spanish 5
	French I German I Spanish I	French 2 German 2 Spanish 2	French 3 German 3 Spanish 3	French 4 German 4 Adv Placement Spanish Language
	French I German I Spanish I	French 2 German 2 Spanish 2		
		French I German I Spanish I	French 2 German 2 Spanish 2	French 3 German 3 Spanish 3
			French 1 German 1 Spanish 1	French 2 German 2 Spanish 2
				French 1 German 1 Spanish 1

SPECIAL EDUCATION - May be enrolled with Teacher's permission ONLY

8705	Reading Improvement	9, 10, 11, 12	Year	1
8706	Reading Improvement - 2	9, 10, 11, 12	Semester	1/2
8707	Strategic Reading	9, 10, 11	Year	1
8710	Vocational Information	10, 11, 12	Year	1
8711	Occupational Exploration	11, 12	Semester	1/2
8712	Mathematics	9, 10, 11, 12	Year	1
8713	Applied Math	9, 10, 11, 12	Year	1
8714	Intro to Algebra	9, 10, 11, 12	Year	1
8716	Language Arts (English)	9, 10, 11, 12	Year	1
8718	World History	9, 10, 11, 12	Year	1
8721	U.S. History – 1	10, 11, 12	Semester	1/2
8722	Government	12	Semester	1/2
8723	U.S. History – 2	11, 12	Semester	1/2
8724	Independent Skills	9, 10, 11, 12	Semester	1/2
8725	U.S. History - 3	11, 12	Semester	1/2
8726	Study Skills	9, 10, 11, 12	Semester	1/2
8728	Work Study	10, 11, 12	Semester	1/2
8730	Personal Development	9, 10, 11, 12	Semester	1/2
8732	Home Economics	10, 11, 12	Year	1
8734	Biology	9, 10, 11, 12	Year	1
8735	Earth Science	10, 11, 12	Year	1
8736	Current Social Issues	9, 10, 11, 12	Semester	1/2
8737	Biology II	10, 11, 12	Year	1
8738	Consumer Skills	10, 11, 12	Semester	1/2
8739	Physical Science	10, 11, 12	Year	1
8740	Communications	9, 10, 11, 12	Semester	1/2
8744	Algebra	9, 10, 11, 12	Year	1
8746	Keyboarding	9, 10, 11, 12	Semester	1/2
8747	Integrated Computer App.	9, 10, 11, 12	Semester	1/2
8749	Life Skills	10, 11, 12	Semester	1/2
8750	Geometry	10, 11, 12	Year	1

COURSE DESCRIPTIONS

Basic material costs of courses will be covered by the district. However, additional costs for projects or required attire may occur in some classes. Contact the Department Chair for details.

- 1320** **CLASSROOM ASSISTANT** (S) Years 11, 12 **Prerequisite: Consent**
A limited number of students will be permitted to receive credit as office and/or selected department proctors. Applications for these credit positions are available from the student's counselor.
- ARMY JROTC** - Army JROTC is the nation's premier character education and leadership training program. Recognized by the US department of Education for its exceptional curriculum, the JROTC Program trains young men and women to be better citizens for this nation. Cadets may take four years of JROTC in high school and learn leadership, health and wellness, financial planning, constitutional law, and numerous other topics. The program is administered by retired officers and NCOs of the Army. Cadets may take all four years of JROTC and have no military obligation whatsoever.
- 1321** **LEADERSHIP EDUCATION TRAINING 1 (LET 1)** (9,10,11,12) **Initial Leadership Training Program**
Cadets focus on basic leadership skills, constitutional law, learning the Army uniform and military customs and courtesies. Students completing this first year successfully will receive one elective credit and be eligible for enrollment in the LET 2 program.
- 1322** **LEADERSHIP EDUCATION AND TRAINING 2 (LET 2)** (10,11,12) **Prereq: Leadership Ed. Training 1**
Midlevel leadership studies focuses on advanced constitutional law, military history, leadership topics and physical fitness. Cadets are placed in junior leadership roles to coach and teach junior cadets.
- 1323** **LEADERSHIP EDUCATION AND TRAINING 3 (LET 3)** (Y) Years 11,12 **Prereq: Ldrshp. Ed. Trng 2**
Advanced Leadership Studies with emphasis and advanced leadership theory and application and preparation for post secondary school career choices. Cadets are placed in mid level leadership roles within a battalion structure.
- 1324** **LEADERSHIP EDUCATION AND TRAINING 4 (LET 4)** (Y) Year 12 **Prereq: Ldrshp. Ed. Trng 3**
Senior Leadership Studies, primarily an independent study course, the senior cadets fill senior leadership positions within a battalion staff structure. Emphasis is on practical leadership application as cadets run the day to day operations of the battalion.
- 1335** **MATH AIDE PROGRAM** (Y) Years 11, 12 **Prerequisite: Consent and Training**
This program provides an opportunity for juniors and seniors to mentor students in Algebra and Geometry. The math aide receives training, a full elective credit for the year and a letter grade.
- 1350** **LIBRARY ASSISTANT** (S) Years 11, 12 **Prerequisite: Consent**
A limited number of students receive permission from the librarians to enroll as student aides. During the semester, assignments offer opportunities for training in the various services that the library performs. Students may enroll for more than one semester. Excellent attendance is mandatory.
- 1360** **OFFICE ASSISTANT** (S) Years 11, 12 **Prerequisite: Consent**
A limited number of students will be permitted to receive credit as office and/or selected department proctors. Applications for these credit positions are available from your counselor.

- 1385** **MENTOR LEADERSHIP** (S) 10, 11, 12 (Fall Only)
 Boomerang Project Mentors receive extensive training that develops their leadership skills as well as providing them with a vision of what it means to be a role model in their high school. Commitments to this program include: enrollment in the fall Mentor Leadership class, availability for two and a half day training sessions outside the school days, participation in five social events that directly involve ALL freshmen, and an obligation to deliver activities designed to inspire educate and connect ninth graders academically and socially during Charger Time. The intent of Mentor Leadership is to establish and maintain a positive effect on ALL freshmen while promoting social connectedness in school that ultimately contributes to academic success. Mentor Leaders are identified through an application process and/or through teacher recommendations that take place during the spring semester. Course may be taken more than once.
- 1390** **INDEPENDENT STUDY** (S) Year 12 **Prerequisite: Consent**
 This program is open to seniors who wish to study subject matter of particular interest that is not offered in the regular curriculum. Requirements include required media center research, a finished project or product, and an oral examination. Students interested in independent study must choose an advisor willing to sponsor them, study independently, and complete their project/product. All independent study programs for the fall semester must be submitted and approved by May 15 of the preceding year. All independent study programs for the spring semester must be submitted and approved by November 15.
- 1391** **STAGECRAFT 1** (Y) Years 9, 10, 11, 12 **Prerequisite: Consent**
 This course trains students in basic theatre History, terminology, construction material, methods, and techniques. The first semester will be devoted to the investigation of the units described above. During the second semester the student will apply the knowledge gained by constructing the scenery and operation of the theatre for school theatrical productions.
- 1392** **STAGECRAFT 2** (Y) Years 10, 11, 12 **Prerequisite: Stagecraft 1**
 In this intermediate course, the student will continue to work to apply the problem-solving skills developed in Stagecraft 1. The student will learn advanced construction terminology and techniques. These skills will be used in the construction of scenery and operation of the theatre for school theatrical productions and other related activities.
- 1405** **CAREER FOCUS** (S) Year 12 **Prerequisite: Consent**
 This internship program is between the Topeka Public Schools' high schools and local businesses. Students in this semester program are placed in a work environment where they have an opportunity for a one-on-one relationship with an adult and are able to engage in "hands-on" learning in their area of career interest. Internship experiences are designed for the college bound student as well as students in pursuit of other post-secondary career training. This program offers students opportunities to earn credit, develop marketable skills, and explore career opportunities. Students must provide their own transportation to and from the work site. Information concerning internship deadlines and placements is available in the Career Center. This program may be repeated. Units of credit granted based on time volunteered in program per week.
- 1415** **ACADEMIC SUPPORT** **Prerequisite: Referral from Division Administrator or Counselor**
 Academic Support requires referral from the student's division administrator or counselor, the student's willingness to set personal goals, sign an academic performance contract, and complete course work in all classes. Students will not receive credit for this course. Only with the approval of the division administrator and counselor will students be assigned for the purpose of credit recovery.
- 1441** **TELEVISION/VIDEO PRODUCTION 1** (S) 10, 11, 12
 This course introduces students to audio (radio) and television journalism through hands-on experiences with such equipment as video cameras, editors, switching, and tape reorders. They will learn script writing and production techniques for both informative and entertainment programs. Students will be required to work additional hours outside of class time on production of television programming.

- 1442 TELEVISION/VIDEO PRODUCTION 2 (S) 11, 12** **Prerequisite: Television/Video Production 1**
The students in this course will be responsible for producing building video programs. Students also will pursue independent video projects as well as specialized video concepts and the FX process. This course may be repeated with instructor permission.
- 1465 COLLEGE PREP (S) Year 12**
This course will assist seniors in planning for their postsecondary educational goals. Seniors will prepare for college entrance tests (ACT and SAT), review the process of writing a formal research paper, discuss college entrance requirements (Regents, State Scholar, NCAA), and complete the activities necessary to apply for scholarships. Information on various colleges and universities will be accessed. This class also addresses the issues arising in the transition from high school expectations to college expectations. This Credit/No Credit class will only be offered in the fall semester.
- 2040 INTRODUCTION TO BUSINESS (S) 9, 10, 11, 12**
This course introduces students to the world of business. The course is an overview of the business functions including: accounting, business ownerships, economics, finance, human resources and risk management. This course prepares students for enrollment into advanced business courses. In addition, students will develop business knowledge and skills for use in everyday life.
- 2041 KEYBOARDING 1 (S) Years 9, 10**
This course is designed to teach students the “touch” method of operating the alpha/numeric keyboard. Students develop acceptable speed and accuracy levels and learn proper formatting of documents that are used in everyday life as well as in a business office.
- 2042 COMPUTERIZED DOCUMENT PROCESSING (S) Years 9,10,11,12** **Prerequisite: 25 wpm/5 min. timed typing exam**
This advanced course is for students who already can key at a proficient rate (30+ gross words per minute). Students will build speed and accuracy, gain proficiency on the ten-key numeric pad, use decision-making skills to evaluate formats for everyday documents, as well as documents used in the business office, and apply their advanced keyboarding skills to “real-life” situations to produce documents.
- 2045 WORD PROCESSING AND TELECOMMUNICATIONS (S) Years 10, 11, 12** **Prerequisite: ICA**
This advanced course is for students to expand their knowledge in word processing and telecommunications. Basic and advanced word processing topics will include basic text editing and formatting of standard documents, integration of files, merging, sorting, and document assembly. Word processing and telecommunication topics include utilizing presentation software, Internet activities, electronic mail, and web pages. Students will research career options and preparation for these careers including education and/or training resume, application letter, application form, and job observation.
- 2049 INTEGRATED COMPUTER APPLICATIONS (S) Years 9,10,11,12** **Prerequisite: 35 wpm/5 min timed typing exam**
This course introduces students to computer application software and emphasizes hands-on learning experiences on the computer. Topics include word processing, spreadsheet, database, presentation software, and Internet activities. Students will be expected to demonstrate workplace skills and to complete career activities.
- 2050 SPREADSHEET/DATABASE (S) Years 10, 11, 12** **Prerequisite: ICA**
This course is designed for students interested in creating spreadsheets, graphs, and macros. Students will create and manipulate database files, reports, and labels. File management techniques also will be addressed.
- 2060 MULTIMEDIA 1 (S) Years 10, 11, 12** **Prerequisite: ICA, Desktop Publishing, Algebra**
This course introduces students to PowerPoint, PhotoShop, Publisher, HTML and web page creation and emphasizes hands-on learning experiences. Students will use graphics, sound, animation, video, and text to build presentations.
- 2070 MULTIMEDIA 2 (S) Years 11, 12** **Prerequisite: Multimedia 1**

This course provides students the opportunity to train in a business environment located on campus. Students learn by hands-on experience, putting into practice the knowledge, skills and competencies gained through classroom study. Students will work one hour per day in the business environment under the direction of the instructor/coordinator for the school year. Students must apply for this class in the spring semester of the preceding school year. This is an alternative to those wanting work experience, but do not have the time to commit to On-the-Job Training.

- 2150** **ON-THE-JOB TRAINING** (Y) Year 12 **Prerequisite: Consent**
This course provides students the opportunity to receive training in business-related career occupations. Students learn by hands-on experience, putting into practice the knowledge, skills and competencies gained through classroom study. Students will spend one hour per day in the business education classroom under the direction of the instructor/coordinator and will work a minimum of 15 hours per school week for the school year. Students must apply for this class in the spring semester of the preceding school year. To receive credit for this course, students must have an approved job for the school year. Students may earn between 2-4 units of credit for this class.
- 2160** **WEB DESIGN 1** (S) Years 11, 12 **Prerequisites: ICA, MultiMedia 2, Algebra, English 10, Consent**
This is an introductory course for those students who would like the opportunity to enhance their computers and employability skills in today's market. This course adds another dimension to the business course offerings whereby students will focus on the overall production processes with particular emphasis on design elements involving layout, navigation and interactivity.
- 2170** **WEB DESIGN 2** (S) Years 11, 12 **Prerequisite: Web Design 1, Consent**
In this advanced course, students will maintain the TWHS web site as well as have the opportunity to provide help to the elementary schools and non-profit organizations in their community. Students will use elements of advanced web development, such as CSS, XHTML, and JavaScript to create Web sites. Students will become fluent in Web mastering strategies and techniques.
- 2230** **TEXTILES AND APPAREL** (S) Years 9, 10, 11, 12
This course is designed for students with little or no experience in clothing construction. Students will study basic construction techniques. Students must be responsible for purchasing their own sewing equipment, fabric, and pattern for their projects.
- 2235** **ADVANCED TEXTILES AND APPAREL** (S) Years 9, 10, 11, 12 **Prereq: Textiles and Apparel**
This course is designed for students who are interested in fashion design and advanced clothing construction. Projects will be determined by the student's prior clothing experience and ability. Students will work individually on course work and clothing projects to increase their knowledge of textiles and clothing construction. Students are responsible for purchasing their own sewing equipment, fabric and pattern for each project. This course may be repeated with instructor permission.
- 2242** **FASHION MERCHANDISING 1** (S) Years 9, 10, 11, 12
This course provides opportunities for students to study fashion history, the principles of design, merchandising, fashion coordination, window display, and other aspects of the fashion industry. Additional topics include possible career opportunities.
- 2251** **NUTRITION AND MEAL PLANNING 1** (S) Years 9, 10, 11, 12
This is a beginning level foods class with an emphasis on teamwork and cooperation among team members. Production units may include quick breads, grains, pasta, dairy, cookies, and pastry. Nutritional aspects of foods are explored along with their inclusion in nutritious meals and meal patterns.
- 2252** **NUTRITION AND MEAL PLANNING 2** (S) Years 9, 10, 11, 12 **Prereq: Nutrition & Meal Plan 1**
This is a continuation of Nutrition and Meal Planning 1. Emphasis will be on yeast breads, protein foods, cakes, soups and salads, vegetable and fruit preparation. Meal planning and nutrition value of foods will be studied.
- 2256** **CULINARY ARTS AND HOSPITALITY CAREERS** (S) 10,11,12 **Prerequisite:**

Nutrition and Meal Planning 1 or 2

This advanced course is for the student who wants to work with food in a creative fashion such as hand-made candies, cake decorating, and gourmet desserts and main dishes. Emphasis is placed on creativity and attractive food presentation. Using food and skills in food preparation as a means of income is explored.

2257 NUTRITION AND WELLNESS (S) Years 10, 11, 12

This course is designed to encourage students to practice and adopt behavior choices that will improve lifelong personal and family wellness. Students will participate in the preparation of nutritious foods.

2260 INTERNATIONAL CUISINE (S) Years 10, 11, 12

This course is designed to help students develop an understanding of a global society by exploring the history, customs, and cultural aspects of United States regions and foreign countries. Foods typical of each area are prepared and sampled.

2280 HUMAN GROWTH AND DEVELOPMENT (S) 10, 11, 12

This course focuses on the different ways humans grow physically, socially, emotionally, and intellectually. Topics will include conditions that influence human growth and development such as heredity, environment and interpersonal relationships throughout one's life span. Students will understand how self-concept is developed and formed to impact decisions made throughout life.

2281 PARENTING (S) Years 10, 11, 12

This course provides an in-depth study of parenting the young child. Topics such as parental relationships, pregnancy, birth, and the development of the child from infancy through the preschool years are discussed.

2285 CHILD DEVELOPMENT LABORATORY (S, Two-block class) Years 11, 12 **Prerequisite: Parenting, T.B. Test and Health Assessment completed prior to first day of class required**

This off-campus course is designed for the student interested in the childcare profession. Students may work with preschool children at different developmental levels. This is a two-block class and meets every day. Students must provide their own transportation.

2291 CONSUMER SKILLS (S) Years 10, 11, 12

This course introduces students to personal financial skills that include consumer issues and money management. Emphasis will be on consumer credit, banking, investments, consumer math, income taxes and consumer buying. This course fulfills the consumer education graduation requirement.

2311 BALANCING CAREER AND FAMILY (S) Years 11, 12

This course focuses on the individual and his/her relationships and roles as family member, parent, employee, citizen, and leader. Students will learn skills needed to be competent in the family and workplace. Communication, decision-making and stress management will be discussed along with family crisis issues.

2321 CAREER AND LIFE PLANNING (S) Years 9, 10

This semester class is designed to help each student develop a life-management plan for life beyond high school. Strategies designed for caring for self and others, career success, and coordinating personal and career responsibilities will be covered. Personal life choices made now and throughout life determine quality of life for the present and future.

2331 INTERIOR DESIGN (S) Years 10, 11, 12

This course introduces skills used for developing and designing plans that are suitable for personal and/or professional space. Students will study housing styles, elements and principles of design, floor plans, furnishings, resource management and career options.

2340 CAREER AND COMMUNITY CONNECTIONS (S) Years 11, 12

This two-block semester course is designed for students interested in a possible career in Family and Consumer Sciences. Students will shadow two specific careers in the business community. Resumes, job applications, interviewing, decision-making, problem solving and team building will be stressed. Students will spend most of their class time at a job site. Students must provide their own transportation.

2430 INTRODUCTION TO INDUSTRIAL TECHNOLOGY (S) 9, 10, 11, 12

This course exposes students to opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, work environment, rewards, and career paths within construction-related fields. This course will use material drafted by the state Department of Education.

- 2435** **DRAFTING (ARCHITECTURAL/MECHANICAL)** (Y) Years 9,10,11,12 **Prerequisite:**
Intro to Industrial Tech
 This course introduces students to the technical craft of drawing illustrations to represent and/or analyze design specifications and then refine the skills necessary for this craft. Provides students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections, and to produce various types of drawings.
- 2436** **DRAFTING/CAD 1** (Y) Years 10, 11, 12 **Prerequisite: Drafting (2440)**
 This course introduces students to the computer-aided drafting systems available in the industry. Topics include CAD Standards and Applications as well as Drafting Standards and Applications.
- 2437** **ARCHITECTURAL DESIGN** (Y) Years 11, 12 **Prerequisite: Advanced Drafting (2441)**
 This course develops students' skills in designing and drawing residential and commercial plans, modeling residential or commercial plans, modeling residential or commercial structures, developing background experiences in construction following selected plans, and gaining experience in using computer drafting programs.
- 2450** **RESEARCH AND DESIGN IN BUILDING TRADES** (Y)11,12 **Prerequisite:**
Production Technology/Woods 2 (2472)
 An advanced research and application course covering specific topics in building construction to include management and "green building" skills.
- 2474** **CABINET MAKING AND FURNITURE DESIGN 1** (Y) Years 10,11,12 **Prerequisite:**
Production Technology/Woods 1 (2471)
 This course provides students with experience in constructing cases, cabinets, counters, and other interior woodwork. Students learn to distinguish between various types of furniture construction and their appropriate applications, and how to use various woodworking machines and power tools for cutting and shaping wood. Course content includes different methods for joining pieces of wood, how to use mechanical fasteners, and how to attach hardware.
- 2475** **CABINET MAKING AND FURNITURE DESIGN 2** (Y) Years 11, 12 **Prerequisite:**
Production Technology/Woods 2 (2472)
 This course will require higher skill levels in topics such as installing plastic laminates on surfaces and how to apply spray finishes, customizing and creating designs, care of tools/machines, construction styles and joinery techniques.
- 3115** **LITERACY WORKSHOP** (S) 10, 11, 12
 This course is designed so that each student improves his or her reading in all subjects and life skills and will focus on a variety of reading strategies and texts leading to improved reading comprehension and increased vocabulary literacy. Students who successfully complete the course will be empowered in both content reading and life-long reading for pleasure. This course is for any upperclassman identified through test scores and/or teacher recommendations.
- 3119** **LITERACY WORKSHOP** (Semester 1) Year 9
 This course is designed so that each student improves his or her reading in all subjects and life skills and will focus on a variety of reading strategies and texts leading to improved reading comprehension and increased vocabulary literacy. Students who successfully complete the course will be empowered in both content reading and life-long reading for pleasure. This course is for ninth grade students identified through test scores and/or teacher recommendations.
- 3120** **LITERACY WORKSHOP** (Semester 2) Year 9
 This course is designed so that each student improves his or her reading in all subjects and life

skills and will focus on a variety of reading strategies and texts leading to improved reading comprehension and increased vocabulary literacy. Students who successfully complete the course will be empowered in both content reading and life-long reading for pleasure. This course is for ninth grade students identified through test scores and/or teacher recommendations.

3433 SENIOR COMPOSITION (S) Year 12

This course is designed to prepare college-bound students for academic writing. Emphasis will be placed not only on content but also on grammar, usage, use of reliable sources, and documentation and include instruction in the standard rhetorical patterns.

3441 HONORS ENGLISH 9 (Y) Year 9

This course is designed for students with strengths in both English and reasoning skills includes work on composition, vocabulary, literary analysis, and oral presentation. In addition to the regular text, students study supplemental work and complete an individual project each semester.

3443 HONORS ENGLISH 10 (Y) Year 10

This course offers students an in-depth study of composition and literature. Students will complete extensive writing assignments using the writing process. Students will be challenged as they read, study, and analyze a variety of literature in different genres such as fiction, nonfiction, poetry, and drama.

3445 ENGLISH 10 (Y) Year 10

This course develops the student's skills in writing and literature. Experiences are provided in pre-writing, organizing, writing, and rewriting. Literature is studied according to genre - fiction, nonfiction, poetry, drama, and the novel. Students will read and analyze a variety of literature broadening their knowledge of various authors and their writing styles.

3450 ENGLISH 9 (Y) Year 9

This course focuses on the writing process and literature. Students develop the skills in the writing process – organizing, prewriting, writing, and revising. Literature is studied according to genre - short stories, drama, poetry, nonfiction, and the novel. Students are introduced to important literary terms.

3470 PROFESSIONAL COMMUNICATIONS (S) Years 10, 11, 12

This course develops the student's writing abilities for professional communication in the work environment. Using the writing process, the student will write for a specific purpose and audience. Complete accuracy of expression is emphasized. A research paper is a requirement of this class.

3471 CREATIVE WRITING 1 (S) Years 10, 11, 12

This course provides students who like and want to write an opportunity to produce a variety of written forms. These forms include poetry, drama, short story, and creative non-fiction.

3472 CREATIVE WRITING 2 (S) Years 11, 12

This course provides students with the opportunity to practice skills of literary criticism and analysis by writing.

3474 GRAPHIC NOVEL (S) Years 11, 12

This course will be an introduction to the medium of graphic novels as a literary style, the evolution and history of the graphic novel, how the art has influenced American culture, and an examination on the transformation of the graphic novel into film. The course will compare and contrast graphic novels from different cultures. It will also cover the format of the graphic novel itself and deconstruct the storytelling process by showing visual/literary techniques used by the story-telling team. Many discussions will focus on characterization, thematic and literary elements. Concepts and themes such as gender, race, and social structure will be discussed, and graphic novels will be compared and contrasted to their literary counterparts.

3521 ENGLISH 11 (Y) Year 11

This course focuses on a chronological study of the themes, philosophies, and social issues that have impacted American literature. Students will practice skills to improve their abilities with the writing process including analysis and interpretation of American literature.

3522 HONORS ENGLISH 11 (Y) Year 11

Prerequisite: English 10

This accelerated course focuses on a chronological study of American literature with an emphasis

on the historical events and social developments of the times. Students will be asked to demonstrate a knowledge, through comparison and contrast, of literary periods and the thoughts generated during these periods. Students will read, respond, and analyze literature in a variety of writing styles. At least one research project is a requirement for this class.

- 3535** **ADVANCED PLACEMENT ENGLISH – LITERATURE AND COMPOSITION** (Y) Year 12
Prerequisite: Consent
This course provides students an opportunity to read and to respond in writing to representative works from various genres and periods, focusing on works of literary merit. Students will study poetry, drama, essays, and imaginative literature from the literary and political eras that include Anglo-Saxon, Classic Greek, Medieval, Renaissance, Seventeenth and Eighteenth Century (Restoration), Romantic, Victorian, Modern, and Contemporary. To fully comprehend the text, each student is required to experience, interpret, and evaluate the representative works. This college-level course may be taken for dual high school and college credit. The college credit will be granted by Washburn University, which charges a reduced tuition fee for each credit hour.
- 3630** **SPORTS LITERATURE** (S) Years 10, 11, 12
This course studies sports literature and how it both influences and reflects our society. Students will explore literature related to sports and sports heroes and will read and respond to works from all literary genres, including works about team sports and lifetime activities.
- 3640** **CONTEMPORARY LITERATURE** (S) Years 11, 12
This course provides students an opportunity to read and to respond to representative works from the Contemporary Period focusing on works of literary merit. To fully comprehend the text, each student is required to experience, interpret, and evaluate the representative works.
- 3650** **DRAMATIC LITERATURE** (S) Years 10, 11, 12
This reading course is designed to acquaint the student with well-known dramatic literature through reading aloud, silent reading, listening to recordings, and seeing both live and filmed productions; no acting will occur. Although a chronological sequence starting with Greek tragedy will be followed, the emphasis will be on modern theater.
- 3680** **MYTHOLOGY** (S) Years 11, 12
This course familiarizes the student with common themes in mythologies throughout the world. The study of classical myths of Greece and Rome will be emphasized; however, myths of other cultures such as American Indian, Norse, Celtic, African, Near Eastern and Egyptian will be studied.
- 3691** **WORLD LITERATURE 1** (S) Years 11, 12
This course is a survey of literature other than British and American literature. Ancient, classical, and medieval literature and literature of European and Asian language groups will be included. Common themes will be discussed.
- 3709** **NEWSPAPER 1** (Y) Years 10, 11, 12 **Prerequisite: Journalism 1 and Consent**
This course serves as a workshop to produce the school newspaper. The newspaper staff is selected through an application process during the spring. Instructor consent is required prior to enrollment. Staff writers interview, write stories, and design pages using computers. Grades are based on meeting deadlines. Staff members must be able and willing to work independently and are required to spend a few evenings a month working on the production of the newspaper.
- 3710** **ADVANCED NEWSPAPER** (Y) Years 10, 11, 12 **Prerequisite: Newspaper 1 and Consent**
This course is a continuation of the concepts learned in Newspaper 1. Advanced Newspaper includes more emphasis on details and requires much more responsibility than Newspaper 1. Applications must be made during the preceding school year. Instructor consent is required prior to enrollment. Students may enroll in this class for credit multiple times.
- 3711** **JOURNALISM 1** (S) Years 9, 10, 11, 12
Journalism 1 introduces students to the role of the media in our society and teaches students to

be intelligent consumers of media and prepares interested students for future work in journalism, including work on school publications. Students learn basic reporting and journalistic writing techniques as they interview, research, and write news and feature articles. Students also study editorial writing, basic principles of layout, headline writing, and technology in journalism.

- 3712** **JOURNALISM 2** (S) Years 9, 10, 11, 12 **Prerequisite: Journalism 1**
This course provides students with a more detailed study of print and electronic media, layout design and format, and career opportunities. Topics covered include photography, advertising, and public relations.
- 3713** **PHOTOJOURNALISM** (S) Years 10, 11, 12 **Prerequisite: Photography**
This course introduces students to the world of photography and journalism. The course will expand on the skills students acquired in Photography I using a 35mm manual SLR camera and incorporate knowledge of how to use a digital camera to capture photos. Students will develop an understanding of how photojournalism has progressed and make connections to how photojournalism may change in the future.
- 3721** **YEARBOOK 1** (Y) Years 10, 11, 12 **Prerequisite: Journalism 1 and Consent**
Yearbook 1 serves as a workshop to produce the yearbook. Staffers interview, write stories and design pages. The class will meet until the yearbook has been completed. This may require work after graduation. Staff members must be able and willing to work independently and should expect to spend some "out-of-class" time working on the yearbook. Instructor consent is required prior to enrollment.
- 3722** **ADVANCED YEARBOOK** (Y) Years 10, 11, 12 **Prerequisite: Yearbook 1 and Consent**
Advanced Yearbook includes more emphasis on details and requires much more responsibility than in Yearbook 1. Applications must be made during the preceding school year. Instructor consent is required prior to enrollment. Students may enroll in this class for credit multiple times.
- 3730** **SPEECH** (S) Years 9, 10, 11, 12
This course focuses on the fundamental principles and practices of oral communication. Students will explore basic construction and presentation techniques by developing and performing speeches to inform, entertain, and persuade. Each student will make a minimum of four presentations including at least one speech of at least six minutes.
- 3735** **FORENSICS** (S) Years 9, 10, 11, 12 **Prerequisite: Student must have passed 5 classes the previous semester to meet KSHSAA requirements.**
This course provides an opportunity for students interested in speech and drama to improve their skills through participation in speech contest. Some performance will be done outside of class for civic organization in the city. This course fulfills the speech or fine arts requirements. Student will be expected to commit between 3-5 hours per week outside class.
- 3741** **NOVICE DEBATE** (S) Years 9, 10, 11, 12 **Prerequisite: Student must have passed 5 classes the previous semester to meet KSHSAA requirements.**
This beginning course is for students interested in participation in extra-curricular debate activities. Students learn the fundamentals of debate and research skills in preparation for debating national high school debate topic at tournaments through the state. This course will fulfill the speech requirement. Students will be expected to commit between 3-5 hours per week outside class. Students must participate in weekend competition.
- 3744** **ADVANCED DEBATE** (S) Years 10, 11, 12 **Prerequisite: Novice Debate and Consent Student must have passed 5 classes the previous semester to meet KSHSAA requirements**
This course is for students with debate experience who wish to continue participation in debate activities. This course will fulfill the speech requirement. Students must commit between 3-5 hours per week outside class. Students must participate in weekend competitions.
- 3745** **DEBATE 4** (S) Year 12 **Prerequisite: Novice Debate and Consent Student must have passed 5 classes the previous semester to meet KSHSAA requirements**

This course is for 4th year debaters and is weighted. The class is focused on more complex argumentation and analysis of the current debate topic. Students are expected to increase their research considerably and also serve as squad leaders for first-third year debaters. The grade for the fourth year of debate will be weighted. This course fulfills the Speech requirement. Students will be expected to commit between 3-5 hours per week outside class. Students must participate in weekend competition.

- 3751** **ACTING 1** (S) Years 10, 11, 12
This course will develop basic acting skills focusing on vocal, physical, and mental skills. Class performances may include storytelling techniques, interpretation of poetry, pantomime, duet scenes, monologues, and one-act plays. This course fulfills the Speech or Fine Arts requirement.
- 3752** **ACTING 2** (S) Years 10, 11, 12 **Prerequisite: Acting 1 or Consent**
This course continues to develop those skills introduced in Acting 1. Additional attention may be devoted to the study of dialect, acting technique, ensemble work, and improvisation. This course fulfills the Speech or Fine Arts requirement.
- 3756** **THEATRE APPRECIATION** (S) Years 9, 10, 11, 12
An introductory course to the appreciation of theatre, this class provides a broad overview of the many elements of production. These may include theatre history, dramatic literature, theatre etiquette, make-up, basic stagecraft, musical theatre, and theatrical terminology. Students with an interest in theatre are advised to take this course first. **This course does not fulfill the Speech or Fine Arts requirement.**
- 3761** **TOPEKA WEST PLAYERS** (Y) Years 10, 11, 12 **Prerequisite: Audition**
This ensemble of upperclassmen is selected by audition in the preceding spring. The year-long course is performance-oriented and intended for those students with a serious interest in the theater who wish to pursue the theater arts beyond the classroom and most likely beyond high school as well. This course may satisfy either the Fine Arts or the Speech requirement, but not both.
- 3841** **FRENCH 1** (Y) Years 9, 10, 11, 12
This course is an introduction to the French language and culture with an emphasis on vocabulary development, idiomatic expressions, correct spelling and pronunciation, basic sentence construction, and career application.
- 3842** **FRENCH 2** (Y) Years 10, 11, 12 **Prerequisite: French 1**
This course continues the study of the French language and culture with an emphasis placed on learning new patterns of speech using a considerable amount of new vocabulary. The majority of the instruction is conducted in the target language. Students at this level are introduced to the history of France and the Francophone world through the study of landmarks and places and to modern France and Francophone world through readings, discussions and visual presentations.
- 3843** **FRENCH 3** (Y) Years 11, 12 **Prerequisite: French 2**
This third-year language course focuses on the four skills of listening, speaking, reading, and writing. More emphasis is directed on short compositions and conversations. Grammar is studied at an advanced level. More extensive background material in French culture and history and that of the Francophone world is included, as well as current issues involving these areas of the world.
- 3844** **FRENCH 4** (Y) Year 12 **Prerequisite: French 3**
This fourth-year language course allows qualified students to continue their development of the four skills of listening, speaking, reading, and writing. This is a more rigorous study of the French language, an over-all grammar review, and more extensive practice in writing and speaking French. A college-level textbook is used and a variety of authentic French texts provide a smooth transition to university classes with the goal of receiving retroactive college credit or scoring well on college placement tests. Students are expected to express themselves in French both in oral and in written form. Students will pursue fluency through an in-depth study of grammar as well as French literature, history, and culture to the present day.
- 3847** **FRENCH 5** (Y) Year 12 **Prerequisite: French 4**
This course provides an opportunity for extensive practice of the skills previously learned.

Students will read more extensive works, write lengthier compositions, and explore advanced forms of expression. Participation in the Advanced Placement Examination at the conclusion of the course is optional.

3851 **GERMAN 1** (Y) Years 9, 10, 11, 12

This course is an introduction to the German language and culture with an emphasis on vocabulary development, idiomatic expressions, correct spelling, pronunciation, and basic sentence construction.

3852 **GERMAN 2** (Y) Years 10, 11, 12

Prerequisite: German 1

This course is a continued study of the German language and culture with an emphasis on grammar, vocabulary development, idiomatic expressions, correct spelling, sentence structure, speaking and reading comprehension. Students will conduct controlled conversations based on role-playing situations and everyday topics. Continued attention will be given to spelling and pronunciation.

3853 **GERMAN 3** (Y) Years 11, 12

Prerequisite: German 2

This third-year language course continues its emphasis on speaking through role-playing situations and discussion of everyday topics. Additional vocabulary categories are introduced and more extensive background material in German culture and history is included. The remainder of the basic German grammar is presented and the entire grammar is extensively reviewed, including an emphasis on short compositions. Students will master lengthier reading selections. An extensive review of German grammar and some cultural materials are included.

3854 **GERMAN 4** (Y) Year 12

Prerequisite: German 3

This fourth-year language course allows qualified students to continue more rigorous study of the German language. The goal of this course is to learn to express oneself almost solely in the German language and to rely less and less on English. The students will continue vocabulary development and acquisition of advanced grammar. The students will continue studying German culture and history through readings, lectures and reports. Students will also be introduced to a selection of German literature. A college-level textbook is utilized to provide a smooth transition to university classes in the future with a focus on obtaining retroactive college credit or preparing for college placement tests. Students are expected to express themselves in German both orally and in written form.

3857 **GERMAN 5** (Y) Year 12

Prerequisite: German 4

The study of German beyond the fourth level is available to those students who began their German coursework before their freshman year. Intermediate and advanced materials will be used in order to ease articulation of the students into further language classes. The students will read more extensive works, write lengthier compositions, explore advanced forms of expression and increase their oral fluency. Students have the option of taking the Advanced Placement Examination after completing this course.

3891 **SPANISH 1** (Y) Years 9, 10, 11, 12

This course is an introduction to the Spanish language and culture with an emphasis on vocabulary development, idiomatic expressions, correct spelling, pronunciation, basic sentence construction, and career application.

3892 **SPANISH 2** (Y) Years 10, 11, 12

Prerequisite: Spanish 1

This course is a continuation of the study of the Spanish language and culture with an emphasis on vocabulary development; language structure; and aural, oral, and written comprehension of Spanish.

3893 **SPANISH 3** (Y) Years 10, 11, 12

Prerequisite: Spanish 2

This course studies technical language structure and continues to develop the skills of reading and writing with an emphasis on the development of the oral and comprehensive skills. Spanish literature is introduced. Special projects are assigned. Videos, short stories, oral tapes and various oral projects are utilized. More extensive vocabulary is introduced and advanced grammar is presented as well as continual review of past grammar.

3894 **SPANISH 4** (Y) Years 11, 12

Prerequisite: Spanish 3

This course continues the study of the Spanish language through Spanish literature with a special

emphasis on the civilization of the Hispanic countries. The student will prepare for in-depth study of the language in college. The course is structured as a comprehensive review of grammar with an emphasis upon conversational and reading skills.

- 3895** **ADVANCED PLACEMENT SPANISH LANGUAGE** (Y) Years 11, 12 **Prerequisite: Spanish 3**
This advanced course provides extensive opportunities in Spanish literature and grammar. The literature section contains various texts such as short stories, classical novels, and selections from periodicals. Advanced review grammar section will be studied containing subtle points of grammar. Students will study the writing of short compositions and business or social letters. A text stressing oral communications with exercises to build both an active and passive vocabulary will be used. Participation in the Advanced Placement Examination at the conclusion of the course is optional.
- 3897** **SPANISH 5** (Y) Year 12 **Prerequisite: Spanish 4**
This course provides the opportunity for a student to continue study in the language. Literature, cultural readings, and a video program will be used as well as a text to pursue the four skills of reading, writing, speaking, and comprehending. Students will learn and use extensive vocabulary, idiomatic expressions, and complex grammatical forms.
- 4050** **ART HISTORY** (S) Years 11, 12
This course will bring the student into direct verbal and visual contact with that part of our environment termed the visual arts. Students will visit local art exhibits, view slide presentations, and participate in small group research presentations. A background or interest in world history will be helpful in this class.
- 4060** **SURVEY FINE ARTS** (S) Years 9, 10, 11, 12
This course is designed for students who may be interested in the skill/performance related to fine arts courses and will provide an overview of the arts and increase the awareness of one's own creativity and appreciation for the fine arts historically and in the present. Emphasis is in recognizing the elements of the visual arts, music, literature, dance, and drama. Students will explore the process of analyzing and evaluating arts and become more aware of criteria to be considered in selecting a given piece of art, music, literature, dance and drama.
- 4070** **DESIGN** (S) Years 9, 10, 11, 12
This course introduces students to the elements and principles of the Visual Arts/Design. The students will understand and apply a variety of art media, techniques, and processes. The elements—color/value, line, shape, space, form, and texture—are used together to build successful design projects in two-dimensional and three-dimensional forms.
- 4072** **ART SELVES** (S) Years 9, 10, 11, 12
This course offers students a journey of self-discovery with art projects, strategies to enhance learning, and by being supportive of core academic subjects.
- 4077** **GRAPHIC DESIGN 1** (S) Years 10, 11, 12 (9 with teacher consent) **Prerequisite: Design**
This course provides students with a better understanding of the elements and principles of art in combination with computer generated projects. The focus of this class is to introduce students to careers in the graphic arts.
- 4078** **GRAPHIC DESIGN 2** (S) Years 10, 11, 12 **Prerequisite: Design and Graphic Design 1**
This course is designed for the advanced art student. Projects are based on skills acquired from the previous graphic design class at a more independent level. The focus for this class is to create projects based on those used in the graphic design business.
- 4079** **GRAPHIC DESIGN 3** (S) 10,11,12 **Prerequisite: Design, Graphic Design 1 and Graphic Design 2**
This course will focus on the development of the creative process and problem solving skills. There will be a strong emphasis on collaborating with the business community and the development of a professional portfolio.
- 4080** **CERAMICS 1** (S) Years 10, 11, 12 **Prerequisite: Design**
This course introduces students to hand building ceramic production methods. Students will

learn how to design and make pottery using different methods of working with clay. The major design emphasis of study is upon slab, coil, and glazing.

- 4081** **CERAMICS 2** (S) Years 10, 11, 12 **Prerequisite: Ceramics**
This course utilizes three-dimensional design processes and techniques introduced in Ceramics. Students will continue skill development in hand built ceramic work and be introduced to wheel thrown pottery. Students will expand their knowledge and understanding of the processes of clay formulation, glazing, and firing techniques. The history of ceramic art and artists will be explored. This class may be repeated.
- 4090** **3D COMPUTER GRAPHICS 1** (S) 11, 12 **Prerequisite: Design**
This course is a one semester course for the advanced art student who has successfully completed 4070 Design and 4075 Graphic Design 1. 3D Computer Graphics 1 will provide students with an understanding of and experience with the principles and practices associated with modeling, texturing and lighting three-dimensional models using Maxon's Cinema 4D software.
- 4091** **3D COMPUTER GRAPHICS 2** (S) 11, 12 **Prerequisite: 3D Computer Graphics 1**
This course is a one semester course for the advanced art student who has successfully completed 3D Computer Graphics 1. 3D Computer Graphics 2 will provide students with an understanding of and experience with the principles and practices associated with designing 3D computer generated models and focus on animating those models using Maxon's Cinema 4D software.
- 4100** **DRAWING 1** (S) Years 9, 10, 11, 12 **Prerequisite: Design**
This course provides the opportunity for students to improve their skills in drawing by working with a variety of materials such as pencil, charcoal, and ink. Students will work from still life, the human figure, and abstract design. Emphasis is placed on perceptions of line, values, textures, and shapes in both natural and man-made environments.
- 4101** **DRAWING 2** (S) Years 10, 11, 12 **Prerequisite: Design and Drawing**
This course provides the opportunity for further development in drawing. For self-motivated students, this course will provide the challenges needed to continue with a career in the arts. Emphasis is placed on figure drawing, gesture and contour drawing, and the importance of protecting and presenting finished work.
- 4110** **JEWELRY 1** (S) Years 10, 11, 12 **Prerequisite: Design**
This course emphasizes the design, craftsmanship, and finish of jewelry and the importance of good design and how this is obtained in jewelry. Techniques of sawing, filing, soldering, stone setting, and finishing will be studied. Students design and create articles of jewelry through construction and casting. They will study the historical and contemporary importance of jewelry.
- 4111** **JEWELRY 2** (S) Years 10, 11, 12 **Prerequisite: Design and Jewelry**
This course provides an opportunity for students to improve their skills in jewelry making. Increased proficiency will be expected. Students will review jewelry concepts through their work on advanced skill development in a variety of materials. They will apply the elements and principles of design into the creation of original jewelry projects. The history and cultural significance of jewelry will be explored.
- 4120** **PAINTING 1** (S) Years 10, 11, 12 **Prerequisite: Design and Drawing**
This course explores types of painting in a variety of compositions (still life, landscape, figure, abstract). Color theory is reviewed as students learn to paint using everything from traditional methods to a more modern approach using different types of paints. Students will be introduced to products, techniques, and interpretation of painting.
- 4123** **PAINTING 2** (S) Years 10, 11, 12 **Prerequisite: Design, Drawing and Painting**
This course is designed for students who want to continue to explore various painting techniques. Concentrating on composition and original ideas, projects for the individual portfolio will be developed.
- 4130** **PRINTMAKING** (S) Years 10, 11, 12 **Prerequisite: Design**

This course focuses on applying the knowledge of design elements and principles of printmaking processes including silkscreen and linoleum. Students develop aesthetic awareness of this art medium as they take their composition problems through printmaking procedures that culminate in the display of finished work.

- 4135** **DIGITAL IMAGING** (S) Years 11, 12 **Prereq: Photography, Advanced Photography**
This course introduces students to the newest realm of photography: the digital darkroom. Students will combine traditional photography techniques and computer technology to develop a portfolio of unique works. They will examine the historical and technological development of digital imaging and its effects on photography in today's rapidly changing society and world cultures.
- 4136** **ADVANCED DIGITAL IMAGING** **Prereq: Photography, Adv. Photography, Digital Imaging**
This course will capitalize on the skills learned in Digital Imaging class to complete more advanced projects. Students will explore advanced photography techniques using 35 mm cameras, digital cameras, computers, photography, editing software, scanners, and photo quality printers. Students will create an individual portfolio that emphasizes their interest.
- 4140** **SCULPTURE** (S) Years 10, 11, 12 **Prerequisite: Design**
This course offers a working experience in the three-dimensional study of form, space, color, texture, and line. Students will be introduced to products, processes, and procedures of sculpture. Students will examine the cultural aspects of sculpture.
- 4150** **STUDIO ART** (S) Years 11, 12 (10 with teacher consent) **Prerequisite: Drawing, Painting or Teacher Permission**
This course is designed to assist students developing a portfolio for scholarships, interviews, and/or exhibits. Emphasis is placed on the development of the individual artist. Students will be required to submit art for exhibit.
- 4155** **ADVANCED PLACEMENT STUDIO ART** (Y) Year 12 **Prerequisites: Consent**
This college level course allows students to develop their Advanced Placement portfolios based on specific criteria established by The College Board. Emphasis is placed on the development of the individual artist. Successful rating of the portfolios by College Board Readers at the completion of the course may result in college credit granted in art at some colleges and universities. The College Board requires a fee for the portfolio admission. This course may be repeated.
- 4180** **PHOTOGRAPHY** (S) Years 10, 11, 12 **Design beneficial, but not required**
This introductory course will teach students how to take good photographs. Students will learn the history of photography, camera systems, and darkroom procedures. Students will use their own film and print the pictures they have taken.
- 4181** **ADVANCED PHOTOGRAPHY** (S) Years 10, 11, 12 **Prerequisite: Photography**
This course explores a variety of advanced techniques such as color photography, special purpose black and white films, and custom processing techniques. Advanced shooting and printing techniques will be introduced as well as an introduction to digital photography.
- 4344** **CHARGER BAND** (Y) Years 9, 10, 11, 12
This course is for students with previous experience playing a band instrument. It is an advanced performance ensemble and will perform at formal concerts and many home athletic events (football and basketball games and pep assemblies). This band will represent the school in events requiring out of town travel such as contest, concerts, and/or parades. This class may be repeated.
- 4347** **STAGE BAND** (Y) Years 9, 10, 11, 12 **Prerequisite: Audition and Concurrent enrollment in Charger Band**
This course is designed to teach jazz and jazz-rock styles to students who want to further their knowledge in this area. Previous experience is not necessary, however, this class is an extension of the band program and membership in band is required of all those who play a band instrument. Instruments used in this ensemble are saxophone, trombone, trumpet, piano, guitar, bass and percussion. This class may be repeated.
- 4365** **INSTRUMENTAL ENSEMBLE** (S or Y) Years 9, 10, 11, 12

This performance class is designed to organize the students into a variety of small ensembles such as brass quintet, woodwind quintet, percussion ensemble, or string quartet. This class may be repeated.

- 4369** **STRINGS** (Y) Years 9, 10, 11, 12
This course is for any student who plays an orchestral stringed instrument (violin, viola, cello, bass, or harp). This class includes several concert performances as well as technical study for individual musical growth. There will be some evening performances and members must provide their own concert attire. This class may be repeated.
- 4373** **PREMIER STRINGS** (y) Years 9, 10, 11, 12 **Prerequisite: Audition**
This string chamber ensemble is an auditioned group performing challenging repertoire. This class may be taken concurrently with the Strings class, though double enrollment is not required. Frequent performances will be scheduled. Concert attire must be provided by the student and will be the same as the Strings class. This class may be repeated.
- 4383** **CONCERT CHOIR** (Y) Years 10, 11, 12 **Prerequisite: Audition**
This concert choir is a performance choir of mixed voices. Vocal technique and music reading will be emphasized. A varied repertoire of challenging literature for high school choirs will be performed. This class may be repeated.
- 4387** **CHARGER CHORUS** (S or Y) Years 9, 10, 11, 12
This non-auditioned choir is for male and female voices. This ensemble will learn music reading skills, group social skills, and vocal technique. A variety of styles of music will be performed. This class may be repeated.
- 4393** **CHORALIERS** (Y) Years 9, 10, 11, 12 **Prerequisite: Audition**
This advanced chorus for treble voices performs a varied and challenging repertoire. Music reading skills and the fundamentals of singing will be the primary focus. Students will perform frequently throughout the year as a course requirement. This class may be repeated.
- 4399** **WEST SINGERS** (Y) Years 9, 10, 11, 12 **Prereq: Audition & concurrent enroll in Concert Choir**
This small ensemble performs more than any other vocal group. Members must excel in singing. Performance tuxedos and dresses are required and are the student's expense. This class may be repeated.
- 4402** **ADVANCED PLACEMENT MUSIC THEORY** (Y) Years 11, 12 **Prerequisite: Consent**
This course is designed to extend the musical knowledge of a student who is considering studying any type of music at the college or university level. Topics include music history and music theory as well as electronic music. At the conclusion of the course, students have the option of taking the Advanced Placement Music Theory Examination for college credit.
- 5102** **ALGEBRA A/ALGEBRA B** (Y, two-block course) Year 9 **Prerequisite: Placement Examination**
This course meets every day for both semesters. Topics include variable representation, properties of equations and inequalities, and graphical and statistical representation. The completion of Algebra A and Algebra B serves as the foundation course for all other math courses and is a requirement for all college bound students.
- 5103** **GEOMETRY A/GEOMETRY B** Year 10 **Prerequisite: #5110 or #5102 or Teacher Recommendation**
This course is a study of geometric concepts and their applications and meets every day for both semesters. Topics include coordinate geometry, transformations, measurement formulas, and an introduction to geometric proofs using lines, triangles, polygons, and circles.
- 5110** **ALGEBRA** (Y) Years 9, 10, 11, 12 **Prerequisite: Placement Examination**
This is a first year Algebra course. Topics include variable representation, properties of equations and inequalities, and graphical and statistical representation. This course is a foundation for all other math courses and is a requirement for all college bound students.
- 5110H** **ALGEBRA** (S, EVERYDAY – 1.0 CREDIT) Year 9 **Prerequisite: Placement Examination**

This is a first year Algebra course that meets every day for one semester. Students who enroll in this course are expected to enroll in second semester 5156H. Completion of these two courses will allow freshmen an opportunity to accelerate their study of mathematics. Topics include variable representation, properties of equations and inequalities, and graphical and statistical representation.

- 5124 HONORS ALGEBRA 2** (Y) Years 10, 11, 12 **Prerequisite: Algebra**
 This course provides a review of the basic operations on and properties of the real number system. The complex number system is introduced and developed. Other topics include linear, exponential, and logarithmic functions; polynomial equations; graphing; systems of equations and inequalities; conic sections; and sequences and series.
- 5125 GEOMETRY** (Y) Years 9, 10, 11, 12 **Prerequisite: Algebra A/Algebra B, Algebra or Teacher Recommendation**
 This course is a study of geometric concepts and their applications. Topics include coordinate geometry, transformations, measurement formulas, and an introduction to geometric proofs using lines, triangles, polygons, and circles.
- 5130 ALGEBRA 2** (Y) Years 10, 11, 12 **Prereq: Algebra or A/Algebra B**
 This course focuses on algebraic expressions, especially linear and quadratic forms, powers and roots, and functions. Other topics include logarithmic, polynomial, and other special functions as tools for modeling real-world situations.
- 5136H ALGEBRA 2 A/B** Years 10, 11, 12 **Prerequisite: Algebra or Algebra A/Algebra B**
 This every day, two-semester course is particularly recommended for students who are concerned about fulfilling NCAA Clearinghouse mathematics requirements. The course focuses on algebraic expressions, especially linear and quadratic forms, powers and roots, and functions. Other topics include logarithmic, polynomial, and other special functions as tools for modeling real-world situations.
- 5140 FUNCTIONS, STATISTICS, AND TRIGONOMETRY** (Y) Years 11, 12 **Prerequisite: Algebra 2 or Honors Algebra 2**
 This course integrates the study of functions and trigonometry with statistics and data analysis. Statistical concepts are integrated with graphical and algebraic concepts through the construction of mathematical models such as graphs and equations. Generating models of linear, quadratic, higher-order polynomial, exponential, logarithmic, and trigonometric functions is facilitated by the use of technology. A graphing calculator is recommended.
- 5154 HONORS GEOMETRY** (Y) Year 9 **Prerequisite: Algebra**
 This course is a study of Euclidean space with an emphasis on formal proofs. Topics include coordinate geometry, transformations, measurement formulas, and inductive and deductive reasoning. Enrollment will be determined by a placement test.
- 5154H HONORS GEOMETRY** (S, EVERYDAY-1.0 credit) Year 9 **Prerequisite: Algebra Everyday (5110H)**
 This second semester course is to be taken after completion of first semester algebra (#5110H). The course is a study of Euclidean space with an emphasis on formal proofs. Topics include coordinate geometry, transformations, measurement formulas, and inductive and deductive reasoning.
- 5180 PRE-CALCULUS** (Y) Year 12 **Prerequisite: Algebra 2 or Honors Algebra 2**
 This course is a study of the real number line and the Cartesian plane; plane, polynomial, and rational functions; graphing; sequences and series; limits; derivatives; and conic sections. Pre-Calculus introduces limits and integrates work with functions and trigonometry.
- 5183 HONORS PRE-CALCULUS/TRIGONOMETRY** (Y) Years 11,12 **Prereq: Algebra 2 or H. Algebra 2**
 This course for the college-bound student includes the definitions and properties of trigonometry and the application of trigonometry to the solution of triangle measurements, navigation, and vectors. Other topics include trigonometric functions and their graphs, identities, inversion functions and equations, circular functions, and polar coordinates, polynomial and rational functions, graphing, sequences and series, limits, derivatives, and conic sections. A graphing calculator is recommended.
- 5185 ADVANCED PLACEMENT CALCULUS AB** (Y) Years 11, 12 **Prerequisite:**

***10th Graders: Physical Science (concurrently)**

This course focuses on the study of vertebrates and involves dissections and collection. Topics in evolution, comparative anatomy and physiology, and taxonomy are researched.

- 5671A PHYSICAL SCIENCE 1** (S) Years 10, 11 **Prerequisites: Biology and Algebra**
This course is designed to develop an understanding of the processes and methods of science with an emphasis on laboratory work covering the concepts related to matter and energy basic to Chemistry. The course topics include: Laws of thermodynamics and heat, states of matter, atomic structure, periodic table properties and trends, isotopes, ionic and covalent bonding, Law of Conservation of mass and energy, and types of chemical reactions.
- 5671B PHYSICAL SCIENCE 2** (S) Years 10, 11 **Prerequisites: Biology and Algebra**
This course is designed to develop an understanding of the processes and methods of science with an emphasis on laboratory work covering the concepts related to basic introductory physics. The course topics include: motion, forces, Newton's Laws, gravity, work and energy, conservation of energy, momentum, and mechanical waves.
- 5672 PHYSICAL SCIENCE 3** (S) Years 10, 11, 12 **Prerequisite: Physical Science 2**
This course is designed to develop an understanding of the processes and methods of science with an emphasis on laboratory work covering the concepts related to sound, light, electricity, and magnetism. The course topics include: light, sound, waves, optics including lasers, electricity and magnetism.
- 5680 CHEMISTRY** (Y) Years 10, 11, 12 **Prerequisite: Biology and Algebra 1**
This course is designed to give an understanding of the implications, interactions, and properties involved in chemical reactions. The experimental nature and foundation of chemistry is reinforced by use of numerous laboratory experiments.
- 5685 ADVANCED PLACEMENT CHEMISTRY** (Y) Years 11, 12 **Prerequisites: Biology, Algebra 2 concurrently, and Chemistry or Physics or consent**
This course is designed to be the equivalent of the general chemistry course usually taken during the first year of college. At the conclusion of the course, students have the option of taking the Advanced Placement Chemistry Examination for college credit.
- 5690 PHYSICS** (Y) Years 11, 12 **Prerequisite: Biology, Geometry, Algebra 2 concurrently**
This course is a study of the continuing processes and changes within the physical world. Laboratory experiments are used extensively to introduce and reinforce the theoretical aspects of the subject. Topics include rectilinear, circular and projectile motions and forces, electricity and magnetism, optics and waves, kinetic theory and heat, and matter and atomic structure. Special projects will be incorporated throughout the year including rocket launches, egg drop competitions, air track experiments, superconductivity demonstrations, Millikan oil drop experiment, and radioactivity labs.
- 5695 ADVANCED PLACEMENT PHYSICS B** (Y) Years 11, 12 **Prerequisite: Algebra 2, Chemistry or Physics or Consent**
This course is the equivalent of a traditional college-level introductory course in algebra-based physics. The goal is to provide a comprehensive introduction to physics while using classroom techniques that will enhance the appreciation and understanding of science and its methods. At the conclusion of the course, students have the option of taking the Advanced Placement Physics Examination for college credit.
- 5700 ASTRONOMY** (S) Years 11, 12 **Prerequisite: Geometry, Biology, and Physical Science 2 or Chemistry or Physics**
This course is a study of the universe that lies beyond the Earth's atmosphere and examines the tools and techniques used by the astronomer for obtaining information. Topics include the study of the structure, motion, and formation of moons, planets, asteroids, comets, nebulae, star systems and galaxies.
- 5710 ECOLOGY** (S) Years 10, 11, 12 **Prerequisite: Biology or Honors Biology**

***10th Graders: Physical Science concurrently**

This environmental science course studies the characteristics of the major biological systems of the world such as tundra, deciduous forest, grassland, desert, and rain forest. Emphasis will be placed on the human influence on the environment and what should be done to maintain our existence within our environment. Class discussion, laboratory work and library research will be integral parts of this course.

6100 WORLD HISTORY (Y) Years 9, 10, 11, 12

This course focuses on world history and cultural geography. The history of the world's major culture areas will be studied in depth from Renaissance to the present. Physical and cultural geography will be integrated into the history curriculum.

6104 HONORS WORLD HISTORY (Y) Year 9

This course focuses on world history topics in depth and requires extensive outside reading. In addition to regular class work, students will complete major projects. Assessment will concentrate on essays, book reviews, interpretation of primary sources, and presentations. This class is geared toward helping prepare students for more advanced classes. Geography will remain an integral part of the course but will be viewed from a more historical perspective. Students are encouraged to participate in Model U.N.

6111 U.S. HISTORY 1 (S) Years 10, 11, 12

This course focuses on significant events and progress in America from Exploration through Reconstruction. Topics include Colonization, Revolution, Constitution and foundations of government, Westward Expansion, the Age of Jackson, the Civil War and Reconstruction. Skills in using maps, timelines, primary sources, and charts will be developed to gain an understanding of this part of American history.

6112 U.S. HISTORY 2 (S) Years 11, 12

This course focuses on significant events in the period following Reconstruction, the developments leading to the United States becoming a world power, and World Wars I and II.

6113 U.S. HISTORY 3 (S) Years 11, 12

This course focuses on the period following WW II. Topics include the Cold War, Vietnam, the Civil Rights Movement and events leading to our nation's current challenges.

6130 U.S. GOVERNMENT (S) Year 12 **Prerequisite: U.S. History 1 or Pre-AP U.S. History**

This course examines the basic principles of the U.S. Constitution and their relationship to well-informed individuals in a free society. Emphasis is placed upon the executive, legislative and judicial branches of national government policy and action in the area of International relations, finance (revenue and budget), current political issue, and review of state and local government structure and function in Kansas.

6134 HONORS U.S. GOVERNMENT (S) Year 12 **Prerequisite: U.S. History 1 or Pre-AP U.S. History 1**

This course provides students the opportunity to develop and use proficient knowledge of the institutions of U.S. government and politics, political theories and political processes, voting patterns and the manner in which political parties operate, the impact that governmental institutions and politics have on public policy, and development, implementation and operation of the governments of the state of Kansas and of the immediate locality. Students will analyze, interpret, and respond to stimulus based data including charts, graphs, cartoons, and quotes as well as to interpret data, develop a thesis, and support it through written essays.

6135 PRE-AP U.S. HISTORY(S) Years 10, 11, 12 **Prereq: Teacher Recommendation**

This college-level course, part 1, fulfills the first semester of the three-semester US History requirement. It begins with discovery and settlement and covers through the Civil War and Reconstruction. The class requires personal motivation, responsibility, and commitment and is designed to provide students with analytical skills and factual knowledge to critically address the issues and events in American History. Extensive reading and writing are required.

6137 ADVANCED PLACEMENT U.S. HISTORY 1 (S) Years 11, 12 **Prerequisite: Pre-AP U.S. History**

This college-level course, part 2, fulfills the first semester of the three-semester US History requirement. It begins with discovery and settlement and covers through the Civil War and Reconstruction. The class requires personal motivation, responsibility, and commitment and is designed to provide students with analytical skills and factual knowledge to critically address the issues and events in American History. Extensive reading and writing are required. This college-level course may be taken for dual high school and college credit. At the completion of both AP U.S. History 1 and 2, college credit will be granted by Washburn University, which charges a reduced tuition fee for each credit hour.

- 6138** **ADVANCED PLACEMENT U.S. HISTORY 2** (S) Years 11, 12 **Prerequisite: AP U.S. History 1**
This college-level course, part 3, fulfills the third semester of the three-semester US History requirement. It begins with the time period following WW II. Extensive reading and writing are required. Students are expected to take the AP US History Examination. This college-level course may be taken for dual high school and college credit. At the completion of both AP U.S. History 1 and 2, college credit will be granted by Washburn University, which charges a reduced tuition fee for each credit hour.
- 6145** **ADVANCED PLACEMENT EUROPEAN HISTORY** (Y) Years 10,11,12 **Prerequisite: World History and Teacher Recommendation**
This college-level course begins coverage with the late Middle Ages. It is taught in the manner of a college course with a special emphasis placed on individual responsibility to read outside of the classroom. Lectures, discussion, and audio-visual aids are used. Extensive reading and writing are required. Students are expected to take the Advanced Placement European History Examination.
- 6180** **CURRENT SOCIAL ISSUES** (S) Years 10, 11, 12
This course is a study of current happenings in the U.S. and the World. Emphasis will be on the media coverage of those events. Topics include global politics, economics, and other events shaping our history today. Better understanding of the dynamics of the world community is highlighted. A variety of materials, including newspapers, magazines, and video recordings of news telecasts are used.
- 6190** **ECONOMICS** (S) Years 10, 11, 12
This course meets the requirement for consumer education and offers the minimum economic concepts essential for effective citizenship. The basic institutions of the market system and their relationship to a well-informed functioning individual in a free enterprise economy are examined. Emphasis is placed on supply and demand analysis, competition, international trade, current economic issues, and monetary and fiscal policy in promoting full employment with a stable price level.
- 6210** **ETHNIC STUDIES** (S) Years 10, 11, 12
This course focuses on the cultural, economic, and historical contributions of the various ethnic groups in the U.S. Students will learn who these groups are, where they came from, what events and factors caused them to immigrate, and how these groups fared upon arrival. The impact of ethnicity, religion, and cultural background in today's society is emphasized.
- 6240** **KANSAS HISTORY** (S) Years 10, 11, 12
This course provides a chronological survey of the social, economic, and political history of Kansas. Emphasis is placed on geography, exploration and settlement, stages of development in transportation, major issues in Kansas politics, identification of nationally recognized Kansans, immigrants coming to Kansas today.
- 6270** **PSYCHOLOGY** (S) Years 10, 11, 12
This course is the study of human behavior. Students will study body rhythms, states of consciousness, learning, memory, theories of personality, the psychology of child development, adulthood, aging, and stress all in an attempt to understand "why we do what we do."
- 6278** **ISSUES IN PSYCHOLOGY** (S) Years 11, 12 **Prerequisite: Psychology**
This course studies the psychology of motivation, abnormal behavior, methods of therapy and treatment, and the psychology of health, wellness, and disease. Students have the opportunity to study in-depth an area of personal interest.
- 6280** **SOCIOLOGY** (S) Years 10, 11, 12

This course studies the patterns of human society. Topics include culture, socialization of the individual, the social organization of groups, social stratification, the role of men and women, social institutions (family, government, economics, education, belief systems, social problems), and racial, ethnic, and religious minorities.

- 6431** **LIFETIME SPORTS** (S) Years 10, 11, 12 **Prerequisite: Physical Dimensions**
This course provides students with an assortment of activities that can be enjoyed today and in the future. Students may have to provide their own transportation. Can only be taken once.
- 6433** **TEAM SPORTS** (S) Years 10, 11, 12 **Prerequisite: Physical Dimensions**
This course is designed for students interested in active, team-oriented sports. Can only be taken once.
- 6443** **AEROBIC CONDITIONING** (S) Years 10, 11, 12 **Prerequisite: Physical Dimensions**
This course combines aerobic activities with weight training to trim and tone the body. Activities include aerobic dance, jazz exercise, steps, stretching, jogging, walking, fitness measurement, strength training, and other related activities. Can be taken more than once.
- 6447** **STRENGTH CONDITIONING** (S) Years 10, 11, 12 **Prerequisite: Physical Dimensions**
This rigorous course is designed to develop total body strength, flexibility, agility, and speed. Activities include weightlifting, flexibility exercises, form running, fitness testing, and aerobic conditioning. Can be taken more than once.
- 6463** **PRECISION DANCE** (S) Years 10, 11, 12 **Prerequisite: Audition**
This course is designed to offer students an opportunity to participate in rhythmic dances, precision drills and choreographed routines. Performance at home football and basketball games is required. Each student must purchase uniforms. Can be taken more than once.
- 6510** **PHYSICAL DIMENSIONS OF HEALTH** (Y) Years 9, 10, 11, 12
This course provides students with the knowledge and skills needed to engage in a physically active, healthy lifestyle throughout life. Topics include health-related-fitness, lifetime physical activities, and health/wellness concepts and skills.
- 7000** **COLLEGE CLASS** (Y) 12
This dual credit is offered to students in cooperation with Washburn University. A student may receive both high school and college credit for courses not offered in the high school. To get credit for a college class, the student must present his college grade card in the Counseling Center. The credit will be recorded as a pass or fail on the high school transcript in accordance with school district policy. The letter grade will appear on the college transcript. The student must have a B average, make application to Washburn including a letter of recommendation and send a high school transcript prior to Washburn's enrollment date.
- 8560** **CHARGER SUCCESS** (S) Year 9
This course is devoted to adjustment to high school rules, academic resumes, getting along with teachers, interpreting study/test questions, thorough study skills, specific examples of leadership, vocabulary development, creative thinking, critical thinking, and testing individual learning styles. A portion of each class period is devoted to individual pursuits with emphasis on successful research methods. The creation of a project such as a paper, display, performance, or media show is required for the Independent Project Fair.
- 8590** **INDEPENDENT STUDY, GIFTED** (S) Years, 9, 10, 11, 12 **Prerequisite: Consent**
See the gifted education facilitator for information.
- 8705** **READING IMPROVEMENT** (Y) Year 9, 10, 11, 12
This course is designed to reinforce and improve basic reading survival skills
- 8706** **READING IMPROVEMENT 2** (S) Years 9, 10, 11, 12
This course is designed to enhance reading in the content area, functional reading and recreational reading.
- 8707** **STRATEGIC READING** (Y) Year 9, 10, 11

This course is a balanced literacy course designed to provide ninth grade students an opportunity to increase their reading skills. Throughout the course, students learn how and when to use reading strategies, gain ongoing experience with writing, and read relevant and authentic sources.

- 8710 VOCATIONAL INFORMATION** (Y) Years 10, 11, 12
This course is designed to provide concepts in career education. Students are provided opportunities and assistance for becoming aware of, understanding, and appraising individual abilities, potentials, desires, interests, and needs relative to the career development process.
- 8711 OCCUPATIONAL EXPLORATION** (S) Years 11, 12
This community course is designed for career exploration and the development of marketable work skills. Students must be recommended by their Primary Implementer and meet the criteria established by the Career Vocational Coordinator.
- 8712 MATHEMATICS** (Y) Years 9, 10, 11, 12
This course is designed to develop basic and functional mathematical skills. It can partially or totally fulfill the regular high school mathematics requirement. Topics include operations with whole numbers, fractions, decimals and percentages, and math for everyday living.
- 8713 APPLIED MATHEMATICS** (Y) Years 9, 10, 11, 12
This course is designed to develop basic functional math skills in the areas of budget, taxes, and daily living expenses.
- 8714 INTRODUCTION TO ALGEBRA** (Y) Years 9, 10, 11, 12
This course is designed to develop basic algebraic concepts such as skills of operations with whole numbers, fractions, and percents. Students will be introduced to equations using variables.
- 8716 LANGUAGE ARTS** (Y) Years 9, 10, 11, 12
This course is designed to develop basic language arts skills and functional literacy. It can partially or totally fulfill the regular high school English requirements. Topics include developmental reading, vocabulary, writing skills, spelling, and usage.
- 8718 WORLD HISTORY** (Y) Years 9, 10, 11, 12
This course in World history/culture is an alternative to the required World History course. The history of major regions of the world will be studied.
- 8721 U.S. HISTORY 1** (S) Years 10, 11, 12
This course fulfills the first semester requirement for US History and is the study of significant events from Colonization through the Civil War and Reconstruction.
- 8722 GOVERNMENT** (S) Year 12
This course examines the basic principles of the U.S. Constitution and the responsibilities for good citizenship. Topics include the three branches of national government, state and local government, the elective process, and citizenship.
- 8723 U.S. HISTORY 2** (S) Years 11, 12
This course is designed to fulfill the U.S. History requirement and is the study of significant events following Reconstruction through WW II.
- 8724 INDEPENDENT SKILLS** (S) 9, 10, 11, 12
[Used when private school students are taking classes at one of the high schools]
- 8725 U.S. HISTORY 3** (S) Years 11, 12
This course is designed to fulfill the U.S. History requirement and is the study of significant events from the Cold War to the present.
- 8726 STUDY SKILLS** (S) Years 9, 10, 11, 12
This course offers students the opportunity to receive additional support and tutoring for their other academic classes.
- 8728 WORK STUDY** (S) Years 10, 11, 12

Students participate in a community or schoolwork experience.

- 8730** **PERSONAL DEVELOPMENT** (S) Years 9, 10, 11, 12
This course is designed to improve family and peer relationships.
- 8732** **HOME ECONOMICS** (Y) Years 10, 11, 12
This course examines sewing, cooking, healthy lifestyles, and other topics as selected by the teacher.
- 8734** **BIOLOGY** (Y) Years 9, 10, 11, 12
This course is designed to fulfill the required Biology course. Topics include health and wellness, first aid, and human biology.
- 8735** **EARTH SCIENCE** (Y) Years 10, 11, 12
This course is designed to fulfill the required science course. Topics include geology, meteorology, astronomy, and oceanography.
- 8736** **CURRENT SOCIAL ISSUES** (S) Years 9, 10, 11, 12
This course is the study of current world and local happenings with an emphasis upon various media coverage of those events. A wide variety of materials, including newspapers, magazines, and videotapes of news telecasts will be used.
- 8737** **BIOLOGY 2** (Y) Years 10, 11, 12 **Prerequisite: Biology**
This course is designed to fulfill the second required science course. Topics include ecology, plants, animals, and human biology.
- 8738** **CONSUMER SKILLS** (S) Years 10, 11, 12
This course is designed to develop basic math and reading skills required to be a wise consumer and fulfills the requirement for Consumer Education. Topics include career selection, housing, budgeting, comparison-shopping, transportation, insurance, and income taxes.
- 8739** **PHYSICAL SCIENCE** (Y) Years 10, 11, 12
This course explores the concepts of physical science that are used in everyday experiences. The content emphasizes practical application of information and techniques and includes the metric system; states of matter; the basics of heat, light and sound; and the impact of force, motion, work and machines on our environment.
- 8740** **COMMUNICATIONS** (S) Years 9, 10, 11, 12
This course is designed for the resource student and is an alternate to a speech course. This class is the study of communication and public speaking skills.
- 8744** **ALGEBRA** (Y) Years 9, 10, 11, 12
This course is designed to further develop algebraic concept skills such as fractions, percents, whole numbers and variables.
- 8746** **KEYBOARDING** (S) Years 9, 10, 11, 12
This course is designed to teach students the proper keyboarding techniques using the computer to format letters, tables, and reports.
- 8747** **INTEGRATED COMPUTER APPLICATIONS** (S) Years 9, 10, 11, 12
In this course the student will gain experiences in the use of various software programs including word processing, database and spreadsheet.
- 8749** **LIFE SKILLS** (S) Years 10, 11, 12
This course offers practical application of academic skills in Transition subjects such as: comparative shopping, insurance, advocacy, community resources health care, housing, and job readiness.
- 8750** **GEOMETRY** (Y) 10, 11, 12
This course is designed to further develop geometric concepts such as coordinate geometry, transformations, and measurement formulas.

WIT COURSE DESCRIPTIONS

- 9182** **AUTO TECHNOLOGY** 1080 Hours 11, 12, Adult
The Automotive Technology program is divided into three sections of 540 hours each. The first section (Beginning) is a basic theory and familiarization with the automobile components. Tools are furnished to the student. The Intermediate section is basic shop practice in two different areas: *Applied Engine Performance* and *Vehicle Suspension Control Systems* including transmission and transaxle. Student-owned tools and toolbox are required. A third (Advanced) section is optional, but recommended, that lets students get more experience in diagnostics and in *Applied Chassis Mechanical*.
- 9112** **BUILDING TECHNOLOGY** 1080 Hours 11, 12, Adult
The Building Technology course is designed to include training in the areas of electricity, plumbing, carpentry, and heating and air conditioning. Upon completion of the program, the students should have opportunities for employment in such areas as: Hospitals, motels, apartment complexes, schools, and the many other businesses that need employees cross-trained in more than one skill.
- 9114** **INDUSTRIAL TECHNOLOGY** 1080 Hours 11, 12, Adult
The Industrial Technology curriculum begins with a group of core mini courses (540 total hours): Electrical Theory, Basic Wiring, Introduction to Programmable Logic & Motor Controls, and Introduction to Heating and Air-Conditioning. The second 540 hours provides training for students seeking employment in industrial maintenance as well as currently employed maintenance technicians who seek to upgrade their skills. The following jobs are representative of those that may be available following completion of this course. Maintenance Mechanic, Rubberizing Mechanic, Conveyor Maintenance Mechanic, and Machine Repair-Maintenance.
- 9138** **CABINET/MILLWORK** 1080 Hours 11, 12, Adult
The cabinet and millwork course is designed to provide training using modern hand tools and power equipment, plan design layouts and total cabinet construction and finishing. Training connected with cabinet and millwork course will provide students with entry-level skills.
- 9172** **CHILD CARE** 540 Hours 11, 12, Adult
The Child Care program is to provide training in the processes and principles of the growth and development of children from infancy through 6 years of age. Emphasis will be placed on social, emotional, physical, intellectual, motor development, and support services relating to children. Upon completion of the program the students should have opportunities for employment in such areas as: daycare centers, state institutions, teacher aides, etc.
- 9132** **CIVIL ENGINEERING TECHNOLOGY** 1080 Hours 11, 12, Adult
The Civil Engineering Technology program provides opportunities to train in the following areas: use of construction materials, drafting, study of math, and use of a pocket computer as related to technology, study of mechanics, construction methods and equipment, surveying, and CAD (Computer Aided Drafting). This area will emphasize the use of computer hardware and software in processing and retrieving drawing data and files. **Prerequisite: Algebra and a score of 11th grade in math on general entrance test.**
- 9184** **COLLISION REPAIR** 1080 Hours 11, 12, Adult
This course includes all phases of auto body repairing and repainting, the use of modern hand and power tools and equipment, as well as handling typical auto body repair jobs. Related theory and technical instruction includes the study of physical principles of metals and fiberglass, principles of welding, finishing materials, paint, lacquers and terminology used in the auto body repair industries.
- 9142** **COMPUTER REPAIR & NETWORKING** 1080 Hours 11, 12 Adult
Computer Repair, the first year course, instructs students to become competent computer service professionals and prepares them to take the nationally recognized A+ Certification exam. Topics covered are microcomputers, displays, storage media, printers and operating systems (DOS, Windows 3.x, Windows 9s). This course also provides training for students to become Certified Novell Administrators (CAN).

- 9142 COMPUTER REPAIR & NETWORKING (cont'd)**
Prerequisites: 11.0 grade scores or better on the general entrance exam, one year of high school Algebra (C grade or better) and basic keyboarding skills (20 wpm). Access to a PC is highly recommended. After high school graduation, students can enroll in the second year course, Computer Networking. This course prepares students to become a Microsoft Certified Professional and Cisco Certified Network Associate.
- 9186 DIESEL MECHANICS** 1080 Hours 11, 12, Adult
 The course includes repair and maintenance of several types of diesel equipment. Instruction will be given in tune-up and overhauling diesel engines, transmissions and differentials. Some of the types of engines, transmissions and differentials use will be Caterpillar, Mack, Fuller, Allison and Rockwell Easton. Course of instruction will also include tune-up adjustment of various types of equipment. Emphasis will be placed on safety, and the proper care and use of tools and test equipment.
- 9118 ELECTRICITY HEATING AND AIR-CONDITIONING** 1080 Hours 11, 12, Adult
 The Electricity, Heating & Air-Conditioning class includes information relating to four primary areas of Electricity: Electrical Construction, Basic Electrical Theory, Basic Wiring, and Residential/ Commercial Electricity. Heating & Air-Conditioning study areas include instruction on safety, blueprint reading, gas-pipe fitting, the Uniform Mechanical Code, hydronics, both electricity and gas heating, heat pumps and advanced training in the areas of residential and commercial refrigeration and air-conditioning. Electricity emphasis will prepare students for employment in electrical construction and maintenance. Heating and Air-Conditioning will prepare students for employment in any of the industries utilizing heating, air-conditioning and/or refrigeration.
- 9144 ELECTRONIC TECHNOLOGY** 1080 Hours 11, 12, Adult
 The Electronic Technology program provides instruction and skill development to prepare the student for an entry level position in the high tech fields of electronic service, maintenance, or production. The first 540 hours of the program will include the fabrication of basic electronic circuitry and systematic analysis of circuit operation and troubleshooting of each circuit. The second phase of the program will integrate the knowledge of the first 540 hours into a system used in industry, business, entertainment, medicine and the home. **(PRE: Algebra and a score of 10th grade in math and reading on General Entrance Test)**
- 9174 FOOD SERVICE** 1080 Hours 11, 12, Adult
 The course includes entry-level quality and quality food production, sanitation and safety, nutrition, use and care of equipment, service, purchasing, menu-planning, and management, with practical on-the-job training in a modern restaurant-kitchen.
- 9152 GRAPHICS/PRINTING TECHNOLOGY** 1080 Hours 11, 12, Adult
 Printing provides background fundamentals to many graphic arts occupations, both in laboratory experiences and related study. Shop experience includes: composition, layout and design, use and operation of photographic equipment related to printing, darkroom procedures, stripping and platemaking, offset press operation and bindery operations. Related theory and technical study include the area of printing material, production, equipment, commercial art layout, and the sale of printing equipment and supplies.
- 9176 HORTICULTURE** 1080 Hours 11, 12, Adult
 The Horticulture program will include the following subjects: indoor and outdoor plant materials, greenhouse management and growing, lawns, grounds maintenance, tree maintenance, garden center industry, insects, diseases, fruits and vegetables. Successful completion of this course will count as one unit of science credit at the student's home high school.
- 9134 INTERIOR DESIGN** 540/810 Hours 12, Adult
 The Interior Design program will provide students with competency base training in Interior Design and Merchandising of products. Students learn to draft, do computer-aided drafting, design plans, and furnish interior environments of residential, commercial and industrial buildings. By using the design elements such as color coordination, and design principles such as balance and proportion, students will select furniture, accessories, wall coverings, flooring, and window treatments for the interiors. Counts as a .50 Fine Arts credit.
- 9122 LEGAL OFFICE PROFESSIONAL** 1080 Hours 11, 12, Adult

The Pre Nursing program is designed to introduce the students to medical terminology and basic health occupation skills that relate to the various levels of nursing. The student who successfully completes this class receives a Nurse Assistant certificate and is eligible to take the Kansas Nursing Home Aide and Kansas Home Health Aide examinations. This program is a one semester class. Seniors get preference.

- 9166 SURGICAL TECHNOLOGY** 1230 Hours, Adult
The Surgical Technology program provides an opportunity for students to learn basic scientific and clinical skills necessary to become a member of the surgical team. Upon satisfactory completion of the program, the student may make application with the Association of Surgical technicians to take the national certifying examination. To qualify for enrollment, an individual must be a high school graduate or equivalent and successfully pass the KATS general entrance exam and the Valpar (a manual dexterity test).
- 9136 TECHNICAL DRAFTING** 1080 Hours 11, 12, Adult
The Technical Drafting program provides related and hands-on experience in the proper use of drafting tools and equipment, preparing drawings, and reproductions, and developing entry level skills, knowledge, and techniques, for use in a variety of areas in the drafting field. Related theory and technical instruction includes the study of applied algebra, geometry and trigonometry, as well as scientific and physical principles of numerous construction and manufacturing materials and techniques. Students with acquired proficiencies will be introduced to the fundamentals of computer aided drafting (CAD), emphasizing the use of computer hardware and software in processing and retrieving drawing and data files. **Prerequisite: Algebra and a score of 10th grade on math general entrance test.**
- 9128 WAREHOUSING/SALES** 1080 Hours 11, 12, Adult
The Warehousing/Distribution program is designed to include training in counter sales, route sales, and warehouse operations. Areas of instruction include all aspects of inventory, materials handling, storage, receiving, shipping, control, security, housekeeping, and safety. The second 540 hours will be mid-management training; students are recommended to this program by the instructor.
- 9194 WELDING** 1080 Hours, 11, 12, Adult
The Welding program provides training in the following areas: oxy-acetylene welding in the flat, vertical and overhead positions; manual flame cutting of cast iron and steel; heli-welding of aluminum and stainless steel in the flat and vertical positions; sigma welding in the flat and vertical; arc in the flat, vertical, horizontal, and overhead positions. Related and technical information includes: metallurgy, tempering, heat treating, blueprint reading, identification of metals, expansion and contraction of metals, principles of oxyacetylene processes and general welding processes.

WASHBURN UNIVERSITY ASSOCIATE DEGREES

Articulation Program between WIT and Washburn University

WIT PROGRAM	WASHBURN UNIVERSITY ASSOCIATES DEGREE
Automotive Technology	Associate of Applied Science in Industrial Technology
Building Mechanics	Associate of Applied Science in Industrial Technology
Cabinet and Millwork	Associate of Applied Science in Industrial Technology
Child Care	Associate of Arts in Early Childhood Education
Collision Repair	Associate of Applied Science in Industrial Technology
Computer Technology	Associate of Applied Science in Industrial Technology
Civil Engineering Technology	Associate of Applied Science in Design Technology
Diesel Technology	Associate of Applied Science in Industrial Technology
Electricity, Heating, and Air Conditioning	Associate of Applied Science in Industrial Technology
Electronic Technology	Associate of Science in Industrial Technology
Food Service	Associate of Arts in Food Service
Graphic Printing	Associate of Applied Science in Design Technology
Horticulture	Associate of Applied Science in Design Technology
Interior Design	Associate of Applied Science in Design Technology
Industrial Technology	Associate of Applied Science in Industrial Technology
Legal Office Professional	Associate of Applied Science in Legal Assistant
Machine Tool Technology	Associate of Applied Science in Industrial Technology
Office Technology	Associate of Arts in Office Administration or Associate of Arts in Office Administration/Business Records Technology
Photo Technology	Associate of Arts in Design Technology
Technical Drafting	Associate of Applied Science in Design Technology
Warehousing and Distribution	Associate of Applied Science in Purchasing
Welding Technology	Associate of Applied Science in Industrial Technology

Washburn University now offers a Bachelor of Applied Science Degree in Technology Administration.

Articulation agreements for Associate Degrees are also available with the statewide system of community colleges.