



Enrollment Guide

for High School
2019-2020





ANDOVER
PUBLIC SCHOOLS

*Building on
the foundation
of excellence*

Our Mission:

The mission of Andover Schools is to prepare learners for a lifetime of responsible living and learning in a changing society by creating partnerships, high expectations and meaningful education opportunities.

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Graduation requirements

To be eligible for graduation from Andover Public Schools USD 385, a student must meet the following minimum requirements before the Board of Education may grant a diploma.

A student **must earn a minimum of 25 credits** from one or more accredited high schools in grades 9, 10, 11 and 12. The Board of Education reserves the right to accept credit from non-accredited schools when it is in the best interest of the district and student to do so. The following is a list of credits a student **must** earn:

Language Arts	4	1 credit must be taken each year
Mathematics	3	
Science	3	
Social Studies	3	World Geography (1/2) Modern World History (1/2) U.S. History (1) U.S. Government (1/2) Electives (1/2) — students may exceed the 1/2
Foundations of Physical Education	1/2	
Foundations of Health	1/2	
Computer Studies	1/2	
Fine Arts	1	
Speech	1/2	
Electives (minimum)	9	Students may exceed the minimum
TOTAL	25	

To help students progress toward graduation, the following guidelines have been established:

Grade-Level Classification	Cumulative High School Credits to be Earned
Freshman	A student must have completed the eighth grade successfully at an accredited school. Courses completed in the eighth grade in USD 385 DO NOT count for high school credit. However, students transferring from another school district may receive high school credit if that district's high school had accepted and recorded these credits on the student's high school transcript.
Sophomore	A student must have earned a minimum of six credits from an accredited school in grade 9.
Junior	A student must have earned a minimum of 12 credits from an accredited school in grades 9 and 10.
Senior	A student must have earned a minimum of 18 credits from an accredited school in grades 9, 10 and 11.

Qualified Admissions Requirements

Any student wishing to enroll in a Kansas Regents College following high school graduation must meet Qualified Admissions Requirements.

The following pages contain the Kansas Board of Regents Qualified Admissions Curriculum, the Kansas Scholars Curriculum and NCAA Eligibility.



Qualified Admissions Kansas Residents

Five of the six state universities in Kansas, including Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, and Wichita State University, use the standards below to review applicants for undergraduate admission. The University of Kansas has different admission standards from those listed below, visit admissions.ku.edu for more information. Standards are set by the Kansas Board of Regents.

ACCREDITED HIGH SCHOOL

If you are a Kansas resident who will graduate from an accredited high school during the 2015-2016 academic year or later, you can guarantee admission to five of the state's universities by completing the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by meeting one of the following requirements:

- ACT score of at least 21; OR
- SAT score of at least 980; OR
- Graduate in the top 1/3rd of your class.

If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

QUALIFIED ADMISSIONS PRECOLLEGE CURRICULUM

Kansas Course Codes are used to identify courses that fulfill Qualified Admissions curriculum requirements. A complete list of courses is available at the Kansas Board of Regents website: kansasregents.org/qualified_admissions. Additionally, your high school counselor has a list of courses at your high school that fulfill these requirements.

One unit is equivalent to one year, or two semesters. Dual enrollment, concurrent enrollment, and online courses may be used to fulfill the Qualified Admissions curriculum requirements. All courses must appear on your high school transcript, and courses completed in middle school or junior high do not fulfill the Qualified Admissions Math requirements.



English

4 approved units,
½ unit may be
Speech



Math

Must complete either:
Option A - 3 approved units
and meet the ACT college
readiness math benchmark
of 22. *Option B* - 4 approved
units, one of which must be
taken in the graduating year



Social Science

3 approved units



Natural Science

3 approved units,
one of which must be
a full unit of Chemistry
or Physics



Electives

3 approved units

UNACCREDITED HIGH SCHOOL

If you are a Kansas resident who will graduate from an unaccredited high school during the 2015-2016 academic year or later, you can guarantee admission to five of the state's universities by completing coursework equivalent to the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by achieving an ACT score of at least 21 or an SAT score of at least 980. If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admissions requirements, which can be found at: www.kansasregents.org/qualified_admissions_rules_regulations.

ONE OPPORTUNITY. LIMITLESS POSSIBILITIES.

If you want to play sports at an NCAA Division I or II school, start by registering for a Certification Account with the NCAA Eligibility Center at eligibilitycenter.org. If you want to play Division III sports or you aren't sure where you want to compete, start by creating a Profile Page at eligibilitycenter.org.

ACADEMIC REQUIREMENTS


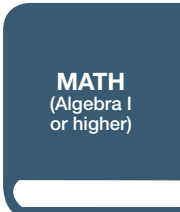
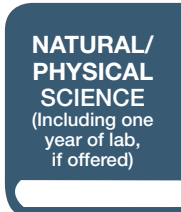
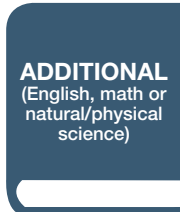


To play sports at a Division I or II school, you must graduate from high school, complete 16 NCAA-approved core courses, earn a minimum GPA and earn an ACT or SAT score that matches your core-course GPA.

CORE COURSES


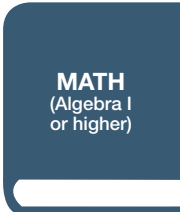
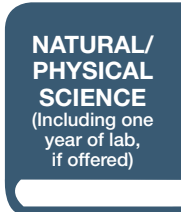
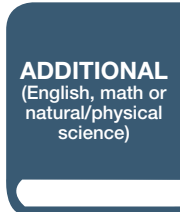


Visit eligibilitycenter.org/counselist for a full list of your high school's approved core courses. Complete 16 core courses in the following areas:

DIVISION I

Complete 10 NCAA core courses, including seven in English, math or natural/physical science, before your seventh semester.

 <p>ENGLISH</p> <p>4 years</p>	 <p>MATH (Algebra I or higher)</p> <p>3 years</p>	 <p>NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)</p> <p>2 years</p>	 <p>ADDITIONAL (English, math or natural/physical science)</p> <p>1 year</p>	 <p>SOCIAL SCIENCE</p> <p>2 years</p>	 <p>ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)</p> <p>4 years</p>
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DIVISION II

 <p>ENGLISH</p> <p>3 years</p>	 <p>MATH (Algebra I or higher)</p> <p>2 years</p>	 <p>NATURAL/ PHYSICAL SCIENCE (Including one year of lab, if offered)</p> <p>2 years</p>	 <p>ADDITIONAL (English, math or natural/physical science)</p> <p>3 years</p>	 <p>SOCIAL SCIENCE</p> <p>2 years</p>	 <p>ADDITIONAL COURSES (Any area listed to the left, foreign language or comparative religion/philosophy)</p> <p>4 years</p>
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GRADE-POINT AVERAGE

The NCAA Eligibility Center calculates your grade-point average (GPA) based on the grades you earn in NCAA-approved core courses.

- DI requires a minimum 2.3 GPA.
- DII requires a minimum 2.2 GPA.

SLIDING SCALE

Divisions I and II use sliding scales to match test scores and GPAs to determine eligibility. The sliding scale balances your test score with your GPA. If you have a low test score, you need a higher GPA to be eligible. Find more information about sliding scales at ncaa.org/student-athletes/future/test-scores.

TEST SCORES

Take the ACT or SAT as many times as you want before you enroll full time in college, but remember to list the NCAA Eligibility Center (code 9999) as a score recipient whenever you register to take a test. If you take a test more than once, send us all your scores and we will use the best scores from each test section to create your sum score. We accept official scores only from the ACT or SAT, and won't use scores shown on your high school transcript.



HIGH SCHOOL TIMELINE

GRADE 9

Plan

- Start planning now! Take the right courses and earn the best grades you can.
- Ask your counselor for a list of your high school's NCAA core courses to make sure you take the right classes. Or, find your high school's list of NCAA core courses at eligibilitycenter.org/courselist.

GRADE 10

Register

- Register for a Certification Account or Profile Page with the NCAA Eligibility Center at eligibilitycenter.org.
- If you fall behind on courses, don't take shortcuts to catch up. Ask your counselor for help with finding approved courses or programs you can take.

GRADE 11

Study

- Check with your counselor to make sure you are on track to graduate on time.
- Take the ACT or SAT, and make sure we get your scores by using code **9999**.
- At the end of the year, ask your counselor to upload your official transcript.

GRADE 12

Graduate

- Take the ACT or SAT again, if necessary, and make sure we get your scores by using code **9999**.
- Request your final amateurism certification after April 1.
- After you graduate, ask your counselor to upload your final official transcript with proof of graduation.

Core Courses

This simple formula will help you meet Divisions I and II core-course requirements.

$$4 \times 4 = 16$$

- + 4 English courses (one per year)
- + 4 math courses (one per year)
- + 4 science courses (one per year)
- + 4 social science courses (one per year)

= **16 NCAA CORE COURSES**

For more information:

ncaa.org/playcollegesports
eligibilitycenter.org

Search Frequently Asked Questions

ncaa.org/studentfaq

Follow us:

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Grading scale

USD 385 recognizes two different grading systems: an unweighted 4.0 scale and a weighted scale. On student transcripts, each student will receive one grade point average (GPA) which is based on the four-point system (unweighted) for all courses. Each student will also receive a second grade point average (weighted) which gives certain courses a weighted grade. All other courses continue to receive the points listed above on the four-point scale. Courses earning pass/fail are not counted in the GPA.

Letter Grade	Percentage	4.0 Grading Scale	4.5 Grading Scale	5.0 Grading Scale
A	90%-100%	4 points	4.5 points	5 points
B	80%-89%	3 points	3.5 points	4 points
C	70%-79%	2 points	2.5 points	3 points
D	60%-69%	1 point	1.5 point	2 points
F	Below 60%	0 points	0 points	0 points

The following courses will be graded on the 4.5 weighted grading scale:

Honors English 1
Honors English 2
Honors Biology
Honors Chemistry
Spanish 5
Honors Geometry
Honors Algebra 2
Pre-Calculus and Discrete Math
Honors Modern World History

The following courses will be graded on the 5.0 weighted grading scale:

Accelerated United States History 10
AP United States History
AP U.S. Government
AP Language and Composition
AP Literature and Composition
AP Computer Science A
AP Calculus
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
AP Physics 2
AP Physics C Mechanics
AP Physics C Electricity and Magnetism

Graduation honors

All GPAs used will be on the weighted scale.

Summa Cum Laude 4.0+ GPA

Magna Cum Laude 3.80-3.999 GPA

Cum Laude 3.60-3.799 GPA

Below is a description of the Latin system and the way it will affect each class.

Class of 2020

- Valedictorian/Salutatorian selected by unweighted GPA
- Latin honors selected by weighted GPA

Class of 2021

- No Valedictorian/Salutatorian or class rank
- Latin honors selected by weighted GPA

Class of 2022

- No Valedictorian/Salutatorian or class rank
- Latin honors weighted GPA

Class of 2023

- No Valedictorian/Salutatorian or class rank
- Latin honors weighted GPA

Note: This criteria will remain in effect in subsequent years.

Enrollment procedure

All Students will pre-enroll for the next school year in the spring semester.

Steps to follow for enrollment:

1. All parents of next year's high school students will be invited to attend an Enrollment Fair to meet with teachers regarding the courses available to students.
2. Information sessions for parents and students, led by the school's counselors, will be held on the night of the Enrollment Fair.
3. Students and their parents/guardians are urged to read this guide and other enrollment material carefully.
4. Using the enrollment information, advice from the school's instructional staff, and conversation between student and parent(s) or guardian(s), complete a Student Scheduling Form and submit your course selections online through PowerSchool.
5. The school's administration and counseling staff will prepare the student's schedule based upon the information submitted. When necessary, the school will consult with individual students and their families to make changes in the student's requests.
6. Individual student schedules will be distributed prior to the beginning of the school year. After Aug. 1 student schedules are also available online via PowerSchool.

Class Change Policy:

All students should take the enrollment process seriously. The classes selected by the student in the spring will be considered as the **final** enrollment. Students need to put a significant amount of thought and effort into class selection at enrollment time because school-wide class schedules are built on student selections. It would be to the student's advantage to initially select the classes desired without anticipating changes.

Class changes will be made only in unusual and necessary circumstances. **Only one schedule change per student per semester will be allowed.** Any additional changes **must** be approved by the principal. Changes **must** be made within **three** days after the beginning of each semester. If a student wants to drop a class after three days, but before five weeks, permission from the principal is needed and a "WD" (withdrawn) will be placed on the transcript. These changes must also have the signatures of the dropping and adding teachers and parent(s).

Students should realize that any class dropped after the **fifth week** will result in an "F" being recorded on the transcript for that class for the current semester (this includes any class taken for college release time).

The school may initiate schedule changes if it is in the student's best interest. The school may also initiate schedule changes based upon disciplinary reasons. Any such changes must have the approval of the principal. If a student is removed from a class for disciplinary reasons, credit will not be awarded and an "F" will be recorded on the transcript for the current semester.

Students should realize this policy exists, make intelligent class selections and not make class change requests unless a good, sound reason exists.

Approved curriculum

The following courses will be offered pending sufficient requests and the ability of the school to assign teachers to teach them. Final fees will be established later by the Board of Education.

Credit Type Key:

Credit type describes the graduation requirement met by the course.

CMP = Computer Studies

FA = Fine Arts

FL = Foreign Language

PE = Physical Education

PHT = Health

SPEECH = Speech

ENG1, ENG2, ENG3, ENG4, ENE = Language Arts

MTH = Math (Anything below Algebra 1)

AMTH = Math (anything Algebra 1 and above)

ZEL = Elective

Science:

BIO = Biology

CHM = Chemistry

PHX = Physics

SCI = Science

SCBR = Science Board of Regents

Social Studies:

SMH=Modern World History

SSG=Government

SSH=U.S. History

SWG=World Geography

SSE=Social Studies Elective

SWS=Other World Studies

Course	Credits	Grade level	Fees	Credit Type
Andover CAPS				
CAPS Create	1.5	11-12	N	ZEL
Art				
Ceramics 1	0.5	9-12	Y	FA
Ceramics 2	0.5	10-12	Y	FA
Ceramics 3	0.5	10-12	Y	FA
Drawing 1	0.5	9-12	Y	FA
Drawing 2	0.5	10-12	Y	FA
Drawing 3	0.5	10-12	Y	FA
Intro to Art	0.5	9-12	N	FA
Painting 1	0.5	9-12	Y	FA
Painting 2	0.5	10-12	Y	FA
Painting 3	0.5	10-12	Y	FA
Sculpture 1	0.5	9-12	Y	FA
Sculpture 2	0.5	10-12	Y	FA
Sculpture 3	0.5	10-12	Y	FA
Studio Art	0.5	10-12	Y	FA
Business and Computer Studies				
Accounting 1	0.5	10-12	N	ZEL
AMPED (Algebra in Manufacturing Processes, Entrepreneurship & Design)	1.0	9-12	N	ZEL
Advanced Placement (AP) Computer Science A	1.0	10-12	N	CMP
Banking and Finance	0.5	11-12	N	ZEL
Business Essentials	0.5	9-12	N	ZEL
Business Law	0.5	10-12	N	ZEL
Computer Applications	0.5	9-12	N	CMP
Advanced Computer Applications	0.5	9-12	N	CMP
Computerized Accounting 2	1.0	11-12	N	ZEL
C++ Programming 1	0.5	10-12	N	CMP
C++ Programming 2	0.5	10-12	N	CMP
Graphic Design and Publishing	0.5	9-12	N	CMP
Investing	0.5	11-12	N	ZEL
Sports and Entertainment Marketing	0.5	10-12	N	ZEL

Course	Credits	Grade level	Fees	Credit Type
Tech Support	0.5	11-12	N	ZEL
Web Design	0.5	9-12	N	CMP
Web Graphics and Animation	0.5	9-12	N	CMP
Advanced Programming 1	0.5	11-12	N	CMP
Advanced Programming 2	0.5	11-12	N	CMP
Video Game Programming	0.5	11-12	N	CMP
VB Programming 1	0.5	9-12	N	CMP
VB Programming 2	0.5	9-12	N	CMP
Youth Entrepreneurs	1.0	10-12	N	ZEL
Family and Consumer Science				
Apparel and Textiles 1	1.0	9-12	Y	ZEL
Apparel and Textiles 2	1.0	10-12	Y	ZEL
Baking and Pastry	0.5	9-12	N	ZEL
Culinary Arts 1	1.0	10-12	N	ZEL
Culinary Essentials	0.5	9-12	N	ZEL
Career and Life Planning	0.5	9-12	N	ZEL
Career Connections	0.5	11-12	N	ZEL
Community Connections	0.5	11-12	N	ZEL
Essentials of Interior and Textile Design	0.5	11-12	N	ZEL
Family Studies	0.5	11-12	N	ZEL
Human Growth and Development	0.5	10-12	N	ZEL
Personal Finance	0.5	10-12	N	ZEL
Foreign Language				
French 1	1.0	9-12	N	FL
French 2	1.0	9-12	N	FL
French 3	1.0	10-12	N	FL
French 4	1.0	11-12	N	FL
Spanish 1	1.0	9-12	N	FL
Spanish 2	1.0	9-12	N	FL
Spanish 3	1.0	10-12	N	FL
Spanish 4	1.0	11-12	N	FL
Spanish 5	1.0	12	N	FL
Applied Technologies				
CATIA	1.0	11-12	N	ZEL
Advanced CATIA	1.0	12	N	ZEL
Architectural Design	1.0	11-12	N	ZEL
Auto Technology 1	1.0	9-12	Y	ZEL
Auto Technology 2	2.0	10-12	Y	ZEL

Course	Credits	Grade level	Fees	Credit Type
Woodworking Principles	1.0	10-12	Y	ZEL
Furniture and Cabinetry Fabrication	1.0	11-12	Y	ZEL
Introduction to Transportation Info	0.5	9-12	N	ZEL
Introduction to Welding	0.5	9-12	Y	ZEL
Computer Aided Drafting and Design	1.0	10-12	N	ZEL
Intro to Woods Technology	0.5	9-12	Y	ZEL
Mechanical Drafting	0.5	9-12	N	ZEL
Metals Technology 1	1.0	9-12	Y	ZEL
Metals Technology 2	1.0	10-12	Y	ZEL
Drafting				
Mechanical Drafting	0.5	9-12	N	ZEL
Computer-Aided Drafting and Design (CADD)	1.0	10-12	N	ZEL
Architectural Design	1.0	11-12	N	ZEL
Housing and Interior Design	0.5	10-12	N	ZEL
Journalism				
Advanced Photojournalism	0.5	9-12	Y	FA
Broadcast Journalism	1.0	10-12	N	FA
Digital Media Design and Production	1.0	10-12	N	ZEL
Journalism	0.5	9-12	N	ZEL
News Publication	1.0	10-12	N	ZEL
Photojournalism	1.0	9-12	Y	FA
School Publications	1.0	10-12	N	ZEL
Language Arts				
AP Language and Composition	1.0	11	N	ENG3
AP Literature and Composition	1.0	12	N	ENG4
English 1	1.0	9	N	ENG1
Honors English 1	1.0	9	N	ENG1
English 2	1.0	10	N	ENG2
Honors English 2	1.0	10	N	ENG2
English 3	1.0	11	N	ENG3
English 4	1.0	12	N	ENG4
English Composition 1 (BCC)	0.5	12	Y	ENG4
English Composition 2 (BCC)	0.5	12	Y	ENG4
British Literature 2 (BCC)	0.5	12	Y	ENG4
English Review	1.0	9-12	N	ZEL
English as a 2nd Language	0.5	9-12	N	ZEL
Theatre, Speech and Debate				
Forensics	0.5	9-12	N	FA/ SPEECH

Course	Credits	Grade level	Fees	Credit Type
Debate 1	0.5	9-12	N	SPEECH
Advanced Debate	0.5	10-12	N	SPEECH
Speech 1	0.5	9-12	N	SPEECH
Dual Credit Speech (BCC)	0.5	11-12	Y	SPEECH
Theatre 1	1.0	9-12	N	FA
Advanced Acting	1.0	11-12	N	FA
Theatre 2	1.0	10-12	N	FA
Theatre Technology	1.0	10-12	N	FA
Mathematics				
Pre-Algebra	1.0	9-12	N	AMTH
Algebra 1	1.0	9-12	N	AMTH
Algebra 1 Assist	1.0	9-12	N	ZEL
Algebra 2	1.0	10-12	N	AMTH
Algebra 2 Assist	1.0	10-12	N	ZEL
Honors Algebra 2	1.0	10-12	N	AMTH
AP Calculus	1.0	12	N	AMTH
Calculus (BCC)	1.0	11-12	Y	AMTH
Applied Statistics (BCC)	0.5	11-12	Y	AMTH
College Algebra (BCC)	0.5	11-12	Y	AMTH
Geometry	1.0	9-12	N	AMTH
Geometry Assist	1.0	9-12	N	ZEL
Honors Geometry	1.0	9-12	N	AMTH
Intermediate Algebra	1.0	11-12	N	AMTH
Pre-Calculus and Discrete Math	1.0	11-12	N	AMTH
Music				
Band	1.0	9-12	Y	FA
Chorale	1.0	10-12	Y	FA
Concert Choir	1.0	9-12	Y	FA
Jazz Ensemble	1.0	9-12	Y	FA
Vocal Ensemble	1.0	10-12	Y	FA
Women's Ensemble	1.0	10-12	Y	FA
Music Theory and Appreciation	1.0	11-12	N	FA
Singers	1.0	10-12	Y	FA
Physical Education				
Aerobics	0.5	10-12	N	PE
Advanced Physical Education	0.5	10-12	N	PE
Foundations of Health	0.5	10	N	PHT
Foundations of Physical Education	0.5	9	N	PE
Sports Medicine/Athletic Training	0.5	10-12	N	ZEL

Course	Credits	Grade level	Fees	Credit Type
Weight Training	0.5	9-12	N	PE
Lifetime Fitness	0.5	10-12	N	PE
Science				
Anatomy and Physiology 1	0.5	11-12	N	SCBR
Anatomy and Physiology 2	0.5	11-12	N	SCBR
AP Biology	1.0	11-12	N	BIO
AP Chemistry	1.0	11-12	N	CHEM
AP Environmental Science	1.0	11-12	N	SCBR
AP Physics 1	1.0	11-12	N	PHX
AP Physics 2	1.0	11-12	N	PHX
AP Physics C Mechanics	1.0	11-12	N	PHX
AP Physics C Electricity and Magnetism	1.0	12	N	PHX
Biology	1.0	9-12	N	BIO
Chemistry	1.0	10-12	N	CHM
Environmental Science 1	0.5	11-12	N	SCBR
Environmental Science 2	0.5	11-12	N	SCBR
Environmental Sustainability	1.0	11-12	N	SCBR
Honors Biology	1.0	9-12	N	BIO
Honors Chemistry	1.0	10-12	N	CHM
Physical Science	1.0	10-11	N	SCBR
Physics	1.0	11-12	N	PHX
Zoology	0.5	11-12	N	SCBR
Social Studies				
AP U.S. Government	0.5	12	N	SSG
AP U.S. History	1.0	11	N	SSH
Comparative World Religions	0.5	11-12	N	SSE
Current World Affairs	0.5	10-12	N	SSE
Economics	0.5	11-12	N	SSE
Honors Modern World History	0.5	10	N	SMH
Intro to Psychology	0.5	11-12	N	SSE
Intro to Sociology	0.5	11-12	N	SSE
Modern World History	0.5	10	N	SMH
Accelerated United States History 10	0.5	10	N	SSE
U.S. Government	0.5	12	N	SSG
U.S. Government (BCC)	0.5	12	Y	SSG
Popular Culture in Recent American History (1950-2000)	0.5	12	N	SSE
U.S. History	1.0	11	N	SSH
World Geography	0.5	9	N	SWG

Course	Credits	Grade level	Fees	Credit Type
Special Education				
Algebra 1	1.0	9-12	N	AMTH
Basic Math	1.0	9-11	N	MTH
Biology in Context	1.0	9-11	N	SCI
English 1	1.0	9	N	ENG1
English 2	1.0	10	N	ENG2
English 3	1.0	11	N	ENG3
English 4	1.0	12	N	ENGt4
Gifted Independent Study	1.0	9-12	N	ZEL
Health	0.5	10	N	PHT
Pre-Algebra	1.0	9-11	N	MTH
Resource Lab	1.0	9-12	N	ZEL
Resource Lab Vocational	1.0	9-12	N	ZEL
Speech 1	0.5	12	N	SPEECH
U.S. Government	0.5	12	N	SSG
U.S. History	1.0	11	N	SSH
Modern World History	0.5	10	N	SSH
World Geography	0.5	9	N	SWG
College Release, Study Skills and Seminar/ Advisory				
College Release	0.5	11-12	N	ZEL
Study Skills	0.5	9-10	N	ZEL
Seminar/Advisory	0.25	9-12	N	ZEL
Consortium				
Teacher Aide	0.5	11-12	N	ZEL
Office Aide	0.5	11-12	N	ZEL
Counselor Aide	0.5	11-12	N	ZEL
Media Aide	0.5	10-12	N	ZEL
Student Tutor	0.5	11-12	N	ZEL
Community Service	0.5	11-12	N	ZEL
Student Council-Leadership Communication	1.0	9-12	N	ZEL
Driver Education (Summer Only)	0.5	9-12	N	ZEL
Teen Leadership	0.5	9-12	N	ZEL

Course descriptions

Andover CAPS

CAPS Create

CREDIT: 1.5

GRADES: 11-12

HOMEWORK: Varies by career strand

PREREQUISITE: None

CAPS Create is a half-day program that fully immerses students into authentic professional project based work that highlights their personal strengths. Students will focus on local learning, civic engagement and partnerships with business and community organizations. Students learn startup principles, design thinking processes, and develop an entrepreneurial mindset as they turn ideas into action. This course can be taken for a semester or a whole year, and it can be taken multiple semesters or years.

Art

Introduction to Art

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

This class introduces the student to the theories of art. Design elements and principles are studied. Students will be introduced to and learn basic skills in each of the different art disciplines of drawing, painting, ceramics and jewelry. Various periods of art will be studied and artists' works of that period will be discovered and recognized. Slide and written tests will be utilized to measure student knowledge.

Ceramics 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Introduction to Art

Students will be introduced to clay using the basic methods of construction; coil, slab, pinch and wheel throwing will be required. The application of colorants and glazes will be taught. **There is a fee for this class.**

Ceramics 2

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Ceramics 1

Students will work in clay using advanced methods of construction and the potter's wheel. Large projects will be required with handles and lids. Additive designs and decoration will be mastered. Students will learn the gas firing process. **There is a fee for this class.**

Ceramics 3

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Ceramics 2

Students will work in clay using the potter's wheel. Raku pottery will be stressed. Ceramics 3 students will master lids, handles and the gas firing process. **There is a fee for this class.**

Drawing 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Introduction to Art

Students will study the advanced methods of construction and drawing media techniques including pencil, charcoal, colored pencil, pen and ink. Figure study, portraits, landscapes and still life are some of the possible drawing subjects. **There is a fee for this class.**

Drawing 2

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Drawing 1

Students will expand their skills in drawing using different media such as charcoal, conte crayon, pen and ink, and pencil. Students will begin to express themselves by using images from life drawings. Students are expected to challenge themselves to better their skills in the drawing media, style and subject matter of their choice. **There is a fee for this class.**

Drawing 3

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Drawing 2

Students will gather works from previous drawing classes to compile a portfolio. They are expected to challenge themselves to better their skills in the drawing media, style and subject of their choice. Students will also learn how to mat their completed work. Entry to the Scholastic Art Exhibition with at least one piece of work is expected. **There is a fee for this class.**

Painting 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Introduction to Art

Students will learn and apply color theory. Exploration of different media, including watercolor (transparent), tempera (opaque), acrylic and oil will be offered. Preparation of painting surface and care of brushes and supplies will be emphasized. **There is a fee for this class.**

Painting 2

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Painting 1

Students will prepare painting surfaces. Conventional as well as experimental methods of painting will be explored. Further study of different media will be taught. Airbrush techniques will be introduced. Students will begin to compile their best work for a portfolio. **There is a fee for this class.**

Painting 3

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 2 hours/week

PREREQUISITE: Painting 2

Students will explore a chosen type of paint and develop their own style through a series of different assignments. Students will complete a portfolio of at least eight paintings for presentation for scholarship application. **There is a fee for this class.**

Sculpture 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Introduction to Art

Students will work with various materials to create three-dimensional projects. Types of media could include cardboard, plaster, papier-mâché, etc. Problem-solving and solid construction will be stressed. Students wishing to build with clay should take ceramics and not sculpture. **There is a fee for this class.**

Sculpture 2

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Sculpture 1

Students will continue their knowledge of sculpture and will have more decisions in regard to the materials and directions that their sculptures will take. **There is a fee for this class.**

Sculpture 3

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Sculpture 2

Students will continue their knowledge of sculpture and will have more decisions in regard to the materials and directions that their sculptures will take. **There is a fee for this class.**

Studio Art

CREDIT: 1.0

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Teacher approval and application necessary

Studio Art is only for students who have obtained permission from the teacher prior to enrolling. This class is designed for motivated and passionate students. These are students who display a high level of creative ability and who have the initiative to grow artistically. Studio Art students are capable of working independently in their preferred media. The cost will be determined by the size and type of work undertaken. **There is a fee for this class.**

Business and Computer Studies

Computer Applications

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: None

This course is designed to help students become aware of the potential of the computer in business, school and everyday life. Computer Applications uses a hands-on approach when using an operating system, word processing and spreadsheet applications, as well as personal information management with email and calendar software. Appropriate Internet searching, etiquette and safety will also be explored. Computer security, threats and maintenance will be discussed. High school credit will be granted to students (grades 8-12) who successfully pass the course equivalency exam with at least 80 percent proficiency. Course equivalency exam credit will not be included in the requirements for the total number of credit hours needed for high school graduation or factored into the GPA.

Advanced Computer Applications

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: Computer Applications or course equivalency exam

This course is a continuation of Computer Applications. You will learn to perform mail merges, work with graphic elements, format documents with special features, use shared documents, and much more. The spreadsheet unit will teach you to format worksheets with advanced formatting techniques, use templates and workbooks, and share workbooks. You will learn how to create a database table, create relationships between tables, create forms, queries, reports and filter records. Students will be able to take the Microsoft Office Specialist test to become certified in Word.

AMPED (Algebra in Manufacturing Processes, Entrepreneurship and Design)

CREDIT: 1.0

GRADES: 9-12

HOMEWORK: 2 hours/week

CONCURRENT: Students must be dual-enrolled in AMPED, as well as Algebra 1, to receive 1 credit of Algebra and 1 elective credit for each year-long class.

This course contains all objectives and standards delivered in a traditional Algebra 1 course taught through real-world, project-based lessons, labs and activities. Students will be engaged in Career and Technical Education (CTE) content using mathematics as a tool for solving real-world, career-skill-ready problems. All students will work on developing and understanding the skills necessary to thrive in the modern workplace and develop a viable, self-funded business.

Advanced Placement Computer Science A

CREDIT: 1

GRADES: 10-12

HOMEWORK: 2 hours/week

PREREQUISITE: One year of Visual Basics (2 semesters) and recommend C++ 1 and 2

AP Computer Science A is a Project Lead the Way course that focuses on further developing computational-thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android™ Studio, Java™ programming language, XML and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and web based databases. **This class is on a 5.0 weighted grading scale.**

Graphic Design and Publishing

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: Computer Applications or Visual Basic Programming OR quiz out of Computer Applications

Graphic Design and Publishing is a course that explores the use of the computer as a tool to combine art, graphics and text to communicate an effective message. Students will design logos, graphics, brochures, flyers, advertisements, business forms, newsletters, posters and photo manipulations. Page layout and the elements of design are explained.

Web Design

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: Computer Applications or Visual Basic Programming or quiz out of Computer Applications

Web Design will teach students how to design websites by introducing them to and refining their knowledge of site planning, page layout, graphic design and the use of HTML to develop and maintain a web page. Students will gain an understanding of website usability by creating wireframes and developing navigational schemes and interface design. By the end of the course, students will have created and maintained a professional website consisting of multiple pages of content, suitable graphics and navigation.

Web Graphics and Animation

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: Computer Applications or Visual Basic Programming or quiz out of Computer Applications

In Web Graphics and Animation, students will develop skills using advanced multimedia software to develop interactivity within websites. Adobe Flash will be used to create custom-designed animated images. Various animation techniques will be used to portray a message or story. Students will also design graphical navigation bars, pop-up menus and rollover buttons to enhance user interactivity for web pages. Importing sound and video as well as publishing Flash movies will be studied.

Tech Support

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: Two Computer Classes and Teacher Recommendation

Students must receive a teacher recommendation to enroll in this course after successfully completing at least two computer courses at the high school level. General IT work orders will be completed by students as they arise. In addition to these tasks, students will complete the Microsoft Virtual Academy courses for Beginner Developer and IT Pro courses in order to enhance their future IT skills in the workforce.

Accounting 1

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Computer Applications

Accounting is the language of business. This course is for students who desire preparation for careers in accounting, related business fields, or for personal use. Financial transactions are analyzed and recorded, and financial statements are produced. Hands-on training is provided through the use of Aplia online accounting software, as well as the Knowledge Matters Virtual Accounting website. Students will complete the entire accounting cycle for a sole proprietorship.

Computerized Accounting 2

CREDIT: 1

GRADES: 11-12

HOMEWORK: 1 hour/week

PREREQUISITE: "C" or better in Accounting 1 and teacher approval

In addition to the accounting cycle, students will learn about corporate accounting concepts including payroll, distributing dividends, taxation and creating financial statements for corporations. Hands-on training is provided through the use of Aplia online accounting software as well as the Knowledge Matters Virtual Accounting website. The final project will consist of completing the accounting cycle for a corporation through the use of an accounting simulation.

Business Law

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: As needed

PREREQUISITE: None

This course is designed to inform students about the significance and brief history of law in America. Where did the laws we abide by originate? What constitutes a tort or a crime? Are ethical decisions a part of laws in society? Those questions will be answered in this class. In addition, students will learn about our federal and state court systems, as well as the difference between a criminal or civil case. When time allows, additional topics discussed will be enforceable contracts, leasing an apartment, and marriage and divorce. When possible, a field trip will be taken to the county courthouse.

Business Essentials

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: None

Business Essentials is a course for all consumers — you! Do you understand the different economic systems used in the world? Are you interested in international trade or the advantages and disadvantages of starting a specific business structure? Do you know how the EPA, ADA, FDA, CPSA and OSHA protect employees, consumers and citizens of the United States? These are topics that will be discussed in Business Essentials. A restaurant management simulation will also be used at the end of the semester to teach you how to open and run your own restaurant.

Banking and Finance

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: As needed

PREREQUISITE: Business Essentials

This course will teach you about our country's banking system. You will learn about the business of banking and how the banking system we know today has evolved. You will learn about different types of negotiable instruments, bank loans and specialized bank services. Other course content will teach you about the role the Federal Reserve System plays in regulating our economy both here at home and internationally. You will also learn about the mortgage crisis and also look at different types of investments so you can become educated in building assets for your future.

Investing

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: As needed

PREREQUISITE: None

Investing is a class for all students. This course teaches students a step-by-step method of investing using the stock market game and its real-time stock trading platform. Topics include certificates of deposit, mutual funds and stocks. Students learn how to analyze the value of stocks and appreciate the importance of investing for the future.

Youth Entrepreneurs

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

The Youth Entrepreneurs program is a year-long elective that introduces the concept of entrepreneurship and the importance of small business to local, national and world economies. Participants have the opportunity to learn about personal responsibility by exploring business ownership with an emphasis on Principled Entrepreneurship™, economics and finance through team activities and experiential learning. This includes the Market Day, an opportunity to implement business strategies in real-life situations, as well as developing and presenting a business model with the opportunity to compete for venture capital toward the end of the course. Participants must have fundamental skills in reading, writing, mathematics and a high level of self-discipline. Excellent attendance is vital to meet the requirements of completing the course.

Sports and Entertainment Marketing

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: As needed

PREREQUISITE: None

Sports and Entertainment Marketing is a unique and specialized course designed for students with an interest in the sports and entertainment industry. Students will develop skills in the areas of merchandising, advertising, public relations/publicity, event marketing, sponsoring, ticket distribution, legal aspects, contracts and career opportunities as they relate to the sports and entertainment industry. The use of hands-on activities and computer simulations will be used to apply and practice sports and entertainment marketing strategies.

VB Programming 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: "A" OR "B" in Algebra 1 and Keyboarding

This course will use VISUAL BASIC (an object-oriented language) to teach programming. It should be noted that the major emphasis of this course is programming, not applications.

VB Programming 2

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: "C" or better in Visual Basic Programming 1

This course continues the study of the VISUAL BASIC programming language.

C ++ Programming 1

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: Middle School Computer Science or High School Visual BASIC

This course is designed for the serious computer science student interested in studying the computer programming language C++.

C++ Programming 2

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: C++ Programming 1

This course continues the study of the C++ programming language and is designed for the serious computer science student.

Advanced Programming 1

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: C++ Programming 2 and teacher approval

This class is designed for the serious computer science student interested in studying additional computer programming languages and topics. This class is setup as an independent study.

Advanced Programming 2

CREDIT: .5

GRADE: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: Advanced Programming 1 and teacher approval

This class is designed for the serious computer science student interested in studying additional computer programming languages and topics. This class is setup as an independent study.

Video Game Programming

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: C++ Programming 2 and teacher approval

This class is designed for the serious computer science student interested in creating video games. Students will create projects through analyzing, brainstorming and creating solutions using the design process.

Family and Consumer Science

Apparel and Textiles 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: None

PREREQUISITE: None

Students will display knowledge of basic construction. Emphasis is placed on the basics: construction techniques, reading and understanding instructions, using equipment and making wise choices to meet individual needs. The student will use a computerized embroidery machine to add decorative elements to their projects.

Apparel and Textiles 2

CREDIT: 1

GRADES: 10-12

HOMEWORK: None

PREREQUISITE: "C" or better in Apparel and Textiles 1

Students will display knowledge of more advanced sewing techniques. Emphasis is placed on choosing more difficult patterns and textiles. Computer software is used along with a computerized embroidery machine to design decorative elements for textile projects. Careers in the textile and clothing industries are explored.

Culinary Essentials

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

Culinary Essentials is a technical-level course in the Restaurant and Event Management and Family Community and Consumers pathways. It is a comprehensive course that provides students with knowledge and skills related to commercial and institutional food service establishments. Course topics include sanitation and safety procedures, nutrition and dietary guidelines, food preparation, quantity food production and meal planning and presentation.

Culinary Arts 1

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Culinary Essentials

Culinary Arts 1 is a technical-level course in the Culinary Arts strand of the Restaurant and Event Management pathway and focuses on skills generally recognized as important to the field of culinary arts. Topics include plating, garnishes, soups, sauces and main dish presentation. Bakery and desserts will be introduced, but are not the main focus on this course. Catering experiences may be included as well as observations of those already in the field that are responsible for these areas in the food production or a culinary kitchen.

Baking & Pastry 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Culinary Essentials

Baking & Pastry 1 is a technical level course in the Culinary Arts strand of the Restaurant and Event Management pathway and focuses on instruction and skill development related to bakery items. Topics include study of grain production, nutritional values and product performance as well as the application to grain products. Baking experiences include yeast breads, quick breads, cakes (and cake decoration) and other baked desserts, product outcomes using various flours and storage methods.

Career Connections

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: None

Career Connections courses provide human services/family and consumer sciences-related, work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/family and consumer sciences occupational technical skills.

Community Connections

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: None

Community Connections courses provide community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of 21st-century skills (i.e. leadership, empathy, communication, problem solving, cooperation, critical thinking and resource management) needed to be successful in human services/family and consumer sciences related careers.

Essentials of Interior and Textile Design

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: As needed

PREREQUISITE: None

Essentials of Interior and Textile Design introduces students to and expands upon the various aspects of industry, conveying the commercial application of principles and elements of design, production processes and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles and set/exhibit design.

Career and Life Planning

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

Having a management plan for life beyond high school is a key to success. Essential to a good life management plan is an understanding of caring for self and others, planning to assure career success, as well as coordinating personal and career responsibilities. The knowledge gained in this class will give students the tools to make informed choices that determine quality of life now and in the future. Skills emphasized include managing personal resources, investigating careers, how to obtain and maintain a job, managing money, finding a place to live, selecting and preparing food, making decisions about transportation and managing a healthy lifestyle.

Human Growth and Development

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

Students will demonstrate knowledge of the basic principles of human development. Emphasis is on the physical, intellectual, emotional and social growth and development of infants, children, adolescents, young adults, and adults and their development across the lifespan. Observation and work with children will be included.

Family Studies**CREDIT: 0.5****GRADES: 11-12****HOMEWORK: 1 hour/week****PREREQUISITE: None**

Understanding the role of parenting is the key to successful family life in the 21st century. In this course the learner will explore the roles and responsibilities of parents throughout life's stages: different family structures; impact of media and technology on the family; child care; guidance and discipline; nutrition and health; abuse and neglect. Balancing the needs of the family, personal needs and work/career will be emphasized.

Personal Finance**CREDIT: 0.5****GRADES: 10-12****HOMEWORK: 1 hour/week****PREREQUISITE: None**

Managing resources to achieve personal and family goals is a critical life skill. Skills in making informed consumer decisions, money management and financial goal-setting can create financial stability which may reduce stress and lead to a healthier, happier life. Students will assume the roles of citizen, student, family member, consumer and employee in personal financial management. Topics covered will be financial planning, legal documents, checking accounts, taxes, savings, investments, credit, consumer protection, family decisions and risk management. The class will use real-life problems, learning activities, software applications and case problems.

Foreign Languages

French 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

French 1 is a full-year course designed to encourage each student's active participation in the acquisition of the basic language skills of listening, reading, writing and speaking. Emphasis is on the understanding and use of French. Students will explore the culture and identify customs of French-speaking peoples.

French 2

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" average in French 1

French 2 is a full-year course that is a continuation and enhancement of the study of French 1. A review of French 1 is followed by continued study of the language and culture, with emphasis on vocabulary development, language structure, aural/oral and written comprehension of French.

French 3

CREDIT: 1

GRADES: 10-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" average in French 2

This full-year course begins an in-depth study of French. Students will begin to use a variety of upper-level grammar functions, verb tenses and moods. Classwork will emphasize spoken and written French. Authentic literature and media will be used to expand on the students' understanding of the language.

French 4

CREDIT: 1

GRADES: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" average in French 3

This full-year course is a continuation and enhancement of the in-depth study of French. Students will read and discuss authentic literature, current events and topics of personal interest in French. A thorough review of the basic foundation of the grammar presented in levels 1-3 will be conducted to further reinforce those structures. Communication, both written and verbal, will be emphasized.

Spanish 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

Spanish 1 is a full-year course that is designed to encourage each student's active participation in the acquisition of the basic language skills of listening, reading, writing and speaking. Emphasis is on the understanding and use of Spanish. Students will explore the culture and identify the cultures of the Spanish-speaking peoples. Students who have received a B or better at the middle school level in Spanish I will automatically be enrolled in Spanish 2 at the high school level if they choose to continue their study of Spanish.

Spanish 2

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" or better average in Spanish 1

Spanish 2 is a full-year course that is a continuation and enhancement of the study of Spanish 1. A review of Spanish 1 is followed by continued study of the language and culture, with emphasis on vocabulary development, language structure, aural/oral activities and written comprehension of Spanish. Students who have received a B or better at the middle school-level in Spanish 1 will automatically be enrolled in Spanish 2 at the high school level if they choose to continue their study of Spanish.

Spanish 3

CREDIT: 1

GRADES: 10-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" average in Spanish 2

This full-year course begins an in-depth study of Spanish. Students will begin to use a variety of upper-level grammar functions, verb tenses and moods. Classwork will emphasize spoken and written Spanish. Authentic literature and media will be used to expand on the students' understanding of the language.

Spanish 4

CREDIT: 1

GRADES: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" average in Spanish 3

This full-year course is a continuation and enhancement of the in-depth study of Spanish. Students will read and discuss authentic literature, history, current events and topics of personal interest in Spanish. A thorough review of the basic foundation of the grammar presented in levels 1-3 will be conducted to further reinforce those structures. Communication, both written and verbal, will be emphasized.

Spanish 5

CREDIT: 1

GRADE: 12

HOMEWORK: 2-3 hours/week

PREREQUISITE: "C" average in Spanish 4

This full-year course is the synthesis of the previous four levels of Spanish with the goal of preparing students for college-level study. Students will read, analyze and discuss authentic literature, history, current events and topics of personal interest in Spanish. Students will be expected to function in Spanish for 90 percent of the time each class period in order to reach a proficiency level of Intermediate high or above. All aspects of the language (listening, reading, writing and speaking) will be reinforced through authentic sources and real-life application. **This class is on a 4.5 weighted grading scale.**

Applied Technologies

CATIA

CREDIT: 1

GRADES: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: Algebra 2

The first quarter of this course covers the creation of solid parts without complex contours. Students will be introduced to the part environment of CATIA and learn how to work between the Sketcher and Part Design workbenches to create individual parts. The second quarter of this course covers the use of multiple parts to create an assembly. It also covers the various analytical and navigation tools that are available within an assembly. Students will be introduced to the product environment of CATIA and learn how to work with multiple parts between the Assembly Design, DMU Space Analysis and DMU Navigator workbenches. The third quarter of this course is an extension of the part environment and covers the use of wireframe and surface geometry to create complex contours. This course concentrates on the tools available and how to integrate this geometry back into a solid part. The fourth quarter of this course is an extension of the part environment and covers the use of wireframe and surface geometry to create complex contours.

Advanced CATIA

CREDIT: 1

GRADE: 12

HOMEWORK: None

PREREQUISITE: CATIA (part design, assembly design, wireframe & surfaces, drafting)

Students enrolled in advanced CATIA will apply the skills learned in the first four courses (part design, assembly design, wireframe & surfaces and drafting) toward a semester-long independent study project that will be presented at the Community of Experts annual conferences in coordination with Wichita State University/National Institute for Aviation Research. Students will also choose two additional course modules (kinematics, composites, prismatic machining, sheet metal, etc.) to complete during the year along with advanced problems from the first four units of study.

Geometry with Applied Construction

Credit: 1

Grades: 10

HOMEWORK: As Needed

PREREQUISITE: None

CONCURRENT: Students must be dual-enrolled in Applied Construction, as well as Geometry, to receive 1 credit of Geometry and 1 elective credit for each year-long class.

Are you a student who would like to learn geometry through application? Applied Construction is a comprehensive program designed to instruct students in the basic knowledge and skills required for construction in the residential setting. Because the class will involve making real-world application to geometry, students will take this course in conjunction with Geometry. This class will expose students to construction careers such as engineering, architecture, construction management, interior design, landscape architecture and surveying. Students will also learn about safety, problem-solving, tool use and drawing interpretation.

Introduction to Transportation Information

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

This course gives students an overview of transportation industry skills and career opportunities, as well as the education required to acquire each career. It also provides students with the opportunity to learn practical car maintenance skills. They will attain basic skills and knowledge needed to own and maintain a vehicle. The students will learn what to consider when buying a car, shopping for car insurance, making car payments and acquiring a title, etc.

Introduction to Welding

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: None

Introduction to Welding will be held at AHS only. Students from either school may enroll.

The course will give the students basic skills in development and a broad overview of the material, tools and metals used to process metal and metal products. The areas to be explored include oxyacetylene gas welding, shielded metal arc welding and MIG welding. **There is a fee for this class.**

Intro to Woods Technology

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

Introduction to Woods Technology is an introductory course for all students who desire vocational preparation for careers in the fields of architecture, design or construction. Hands-on training is provided through the use of drafting tools and hand and power tools. This course is an introductory-level course designed to instruct students in the basic skills necessary for all occupations in the construction and manufacturing area. This course also provides for the study of hand tools, machine processes and the materials related to wood industries. Laboratory activities provide opportunity for students to apply content. **There is a fee for this class.**

Auto Technology 1

CREDIT: 1

GRADE: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Introduction to Transportation Information

Auto Technology 1 will be held at AHS only. Students from either school may enroll.

Students will: 1. Have an understanding of the various branches and careers available in the auto industry; 2. Have a better understanding of automotive safety; 3. Know how an internal combustion engine works; 4. Know the auto parts involved in the main automotive systems; 5. Know auto parts, and tools related to automotive work; 6. Be able to perform basic automotive skills and procedures; 7. Gain experience working on automotive diagnostic procedures, tune-ups and general auto repair and maintenance and a brief introduction to small engines. **There is a fee for this class.**

Auto Technology 2

CREDIT: 2

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Introduction to Transportation Information, Automotive Technology 1

Auto Technology 2 will be held at AHS only. Students from either school may enroll.

Students will: 1. Have knowledge about the various occupational opportunities in the automotive field; 2. Have learned the importance of safety in the automotive shop; 3. Have more completely mastered the basic automotive procedures covered in Auto Tech. I; 4. Have learned a variety of new minor repair operations; 5. Have covered all the procedures involved in complete automotive engine overhaul; 6. Be able to overhaul an automotive engine using the proper mechanical procedures; 7. Become involved in automotive diagnostics, using a variety of testing equipment. **There is a fee for this class.**

Metals Technology 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: As needed

PREREQUISITE: Grade of "C" or better in Introduction to Welding

Metals Technology 1 will be held at AHS only. Students from either school may enroll.

This course will give the students basic skills in development and a broad overview of the materials, tools and metals used to process metal and metal products. The areas to be explored include oxyacetylene gas welding and cutting, shielded metal arc welding, MIG welding, sheet metal, layout and wrought iron metals. A student project could also be an essential part of the course. The course is organized around the core areas with the students spending a set amount of time in each area. While in each area, the student will develop basic skills while completing required exercises. In addition to the exercises, if time allows, the student will be able to complete one or more projects. The project, to be selected by the student, is subject to the instructor's approval. **There is a fee for this class.**

Metals Technology 2

CREDIT: 1

GRADES: 10-12

HOMEWORK: As needed

PREREQUISITE: Grade of "C" or better in Metals Technology 1

Metals Technology 2 will be held at AHS only. Students from either school may enroll.

This course will give students a continuation of skills learned in Metals Technology 1. The areas to be included are oxyacetylene gas welding and cutting, shielded metal arc welding, MIG welding, TIG welding, sheet metal, layout, wrought iron metals, Plasma cutting techniques, CNC programming and CNC Plasma cutting. Student projects are the essential part of the course after the student learns a level of proficiency in each of the areas. The projects, to be selected by the student, are subject to the instructor's approval. **There is a fee for this class.**

Woodworking Principles

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Intro to Woods Technology OR Applied Construction

This is a comprehensive course designed to instruct students in the basic knowledge and skills required for cabinetmaking and furniture design. Students will be able to select a project of their choice, but it must be approved by the instructor. The plans, plan of procedure and bill of material must be turned in before work is started. All students must be ready with a project idea and have the necessary paper work done within the first week or a project will be given by the instructor. This course will be required to use two of the following in their project: lathe turning, doors, drawers, carving or advanced joinery. **There is a fee for this class.**

Furniture and Cabinetry Fabrication (formerly Cabinet Making and Furniture Design 2)

CREDIT: 1

GRADES: 11-12

HOMEWORK: 1 hour/week

PREREQUISITES: Intro to Woods Technology and Woodworking Principles

This course provides for the study of the machine processes and the materials related to wood industries along with the safe use and care of machine tools. Laboratory activities provide opportunity for students to apply content. It is a lab class that involves the use of cabinetmaking and other advanced woodworking skills. Students will be able to select a project of their choice, but must be approved by the instructor. The plans, plan of procedure and bill of material must be turned in before work is started. All students must be ready with a project idea and have the necessary paper work done within the first week or a project will be given by the instructor. Students in this course will also be involved in with a group project that will be for the community or school. The project must be designed, material ordered and job allotted to those in the group. **There is a fee for this class.**

Drafting

Mechanical Drafting

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

This course is an introductory course designed to expose students to mechanical drafting skills in lettering, sketching, dimensioning, geometric design and developments, and working drawings presented in problem solving form. These problems are to be solved using a T-square, drafting boards and instruments.

Computer-Aided Drafting and Design (CADD)

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Mechanical Drafting

This is a comprehensive course designed to instruct students in the use of CAD design and software. Students will receive instruction in sectioning, auxiliary views, isometric drawing, orthographic projection, perspectives, revolutions and machine drawings. They will be expected to solve the problems presented in each area using the AutoCAD program.

Architectural Design

CREDIT: 1

GRADES: 11-12

HOMEWORK: 1 hour/week

PREREQUISITE: Computer-Aided Drafting and Design (CADD)

This is a comprehensive course designed to instruct students in the basic skills of architectural design with a particular emphasis on residential and light commercial applications. Students will receive instruction in sectioning, auxiliary views, isometric drawings, orthographic projection, perspectives, revolutions and machine drawings. They will be expected to draw a house plan, including floor plans, electrical plan, auxiliary views and wall section. They will be expected to solve the problems presented in each area using the AutoCAD program. Students will create a three-dimensional model to scale from an original drawing.

Housing and Interior Design

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

This is an application level course designed to instruct students in skills necessary to design interior spaces that apply design elements and principles to spaces for residential and special needs (e.g. single family homes, multi-family structures, homes for special needs, child care centers, retirement homes, etc.). Topics will include meeting client's needs, legislated codes, historic considerations, current and future trends and public policy.

Journalism

Photojournalism

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 2 hours/week

PREREQUISITE: None

Emphasis of this course is learning digital photography. Students learn history, ethics, composition and exposure. This includes how to take photographs and digitally use them in the newest version of Adobe Photoshop is taught. This course is a prerequisite for Advanced Photojournalism and recommended for an upper-level journalism course such as News Publications or Digital Media Design and Production. **There is a fee for this class.**

Advanced Photojournalism

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 2 hours/week

PREREQUISITE: Photojournalism

Emphasis is placed on becoming adept at digital photography and using photography to create publications. Students will use InDesign and Photoshop. Page and graphic design rules are taught. Photojournalism and Advanced Photojournalism are recommended before taking News Publication and/or Digital Media Design and Production. An interest in graphic design as well as photography is also recommended to take this class. **There is a fee for this class.**

Journalism

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 2 hours/week

PREREQUISITE: Advanced English

This class focuses on news, feature, sports, editorial, caption and headline writing. Students will also learn publications law, the history of journalism, basic page layout and design on the computer. Journalism is a prerequisite for students who plan to apply for the newspaper staff and recommended for anyone interested in applying for yearbook staff. Advanced English, as well as an interest in writing, is a recommended prerequisite. A strong basic knowledge of grammar and usage of the English language is also recommended.

Broadcast Journalism

CREDIT: 1

GRADES: 10-12

HOMEWORK: As needed

PREREQUISITE: Journalism or Photojournalism

This course is designed for students who are interested in learning all aspects of broadcast production. Students will be exposed to studio productions and broadcast journalism and will learn to select, write and present information for a newscast/video production. Students will be assigned jobs within the news studio and be expected to maintain an acceptable level of attendance and job performance. Outside class time will be required to record events and create stories.

Digital Media Design and Production (Yearbook)

CREDIT: 1

GRADES: 10-12

HOMEWORK: As needed

PREREQUISITE: Journalism or teacher approval

Digital Media Design and Production will provide students with the opportunity to apply the fundamental techniques learned in the Digital Media Technology course through the production of a yearbook for public presentation. Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video or other content in digital formats.

News Publications (Newspaper)

CREDIT: 1

GRADES: 10-12

HOMEWORK: Must be able to attend production nights

PREREQUISITE: Journalism and the Web or Photojournalism AND teacher approval

Students will use their journalism skills to write and edit news, feature and sports stories for publication in the high school newspaper. Advanced page layout/computer design and digital photography techniques will be included. In addition, students will sell and create ads to finance the printing of the paper. This course is limited to 25 students who submit an application to the instructor. It is strongly recommended that the newspaper staff attend journalism camp in the summer at their own expense.

School Publications

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: Must be able to work after school as needed

PREREQUISITE: Teacher approval needed (Journalism and Photojournalism recommended)

Students will produce a variety of school publications such as sports, music and theatre programs. They will learn skills involved in desktop publishing, advertising sales, graphic-design and media techniques.

Language Arts

English 1

CREDIT: 1

GRADE: 9

HOMEWORK: 2-3 hours/week

PREREQUISITE: 8th Grade English

The study of language includes development of vocabulary along with various other literary resources. The basic process of writing the research report is covered. Special attention is given to effective sentence, paragraph and multi-paragraph construction. Grammar is taught in conjunction with composition. The study of literature includes the examination of basic literary techniques of foreshadowing, plot, characterization, setting, irony, theme, symbolism and figurative language. Students are required to complete reading and writing assignments both outside and inside class.

Honors English 1

CREDIT: 1

GRADE: 9

HOMEWORK: 3-4 hours/week

PREREQUISITE: 8th Grade English

The study of language skills and writing is similar to but more intensive than in the English 1 class. The study of literature enhances students' abilities in critical thinking, analysis and synthesis as they read novels, short stories, poems and plays. Additional works will require students to demonstrate literary and rhetorical analysis of poetry and satire. Nonfiction works in the form of stories, biographies and articles are also studied. Students are required to complete reading and writing assignments inside and outside of class, including more independent, student-driven extensive research projects. Summer reading is required for this class. See the teacher in May for your assignment. **This class is on a 4.5 weighted grading scale.**

English 2

CREDIT: 1

GRADE: 10

HOMEWORK: 2-3 hours/week

PREREQUISITE: English 1 or Honors English 1

Units of study in mechanics, vocabulary and usage will be combined with process writing, which will include both paragraphs and compositions. Students will write a research report and will be expected to use the process of manuscript revision, research techniques and documentation. Written and oral responses to major works are a significant part of the course. Literature study includes drama, poetry, the short story and the novel. Through the study of literature, students will develop skills in comprehension, analysis, interpretation, criticism and creative use of language. Students are required to complete reading and writing assignments both inside and outside of class.

Honors English 2

CREDIT: 1

GRADE: 10

HOMEWORK: 3-4 hours/week

PREREQUISITE: English 1 or Honors English 1

This course varies from regular English 2 in the levels of analysis and interpretation of literary works as well as the volume of literature to which students will be exposed. Composition – critical, narrative, argumentative and expository – is emphasized beyond the range of mastering basic skills, and, as is the case with literature, the volume of writing is much greater than a regular English 2 class. Students will study units in mechanics, vocabulary and usage. Students will also study nonfiction works of various genres. Students will complete research-based analysis papers, which will incorporate the research process and documentation and will include a career research project. Students will study rhetorical analysis, synthesis and argumentation as it pertains to writing. Summer reading is required for this class. See the teacher in May for your assignment. **This class is on a 4.5 weighted grading scale.**

English 3

CREDIT: 1

GRADE: 11

HOMEWORK: 2-3 hours/week

PREREQUISITE: English 2 or Honors English 2

This course encourages the development of writing skills and prepares students for writing and research in other high school courses. Students study American poetry, short stories, novels, dramas and essays as literary forms. Through the process of writing a formal research paper, students learn to gather and evaluate research materials and formulate an arguable thesis and share their research conclusions.

Advanced Placement (AP) Language and Composition

CREDIT: 1

GRADE: 11

HOMEWORK: 3-5 hours/week

PREREQUISITE: English 2 or Honors English 2

According to the AP English Course Description 2014, the goal of the AP Language and Composition course is to cultivate “reading and writing skills that students need for college success and for intellectually responsible civic engagement. The course guides students in becoming curious, critical and responsive readers of diverse texts, and becoming flexible, reflective writers of texts addressed to diverse audiences for diverse purposes.” The course reading will primarily focus on American literature; however, the assigned reading content is left to the discretion of the AP Language teacher with respect to the suggestions from the College Board. Summer reading could be required; see the instructor in May for instructions. Students do not necessarily have to take this course to enroll in AP English Literature and Composition or in BCC Dual Credit English in 12th grade. It is optional, but highly encouraged, for students to participate in the national testing day for the AP Language class in May. Depending on the score from this test (release is in July), the student could receive college credit and/or advanced placement at that institution. **This class is on a 5.0 weighted grading scale.**

English 4

CREDIT: 1

GRADE: 12

HOMEWORK: 2-3 hours/week

PREREQUISITE: English 3 or AP Language and Composition

The study of language includes development of vocabulary, syntax, usage and conventions. Student writing assignments are designed to ensure competent writers. Students will comprehend and respond both personally and analytically to high school grade-level reading. Students will write a formal research paper and learn how to gather and evaluate research material while formulating an arguable thesis and sharing their research conclusions. The study of British literature includes the examination of the following basic literary techniques: foreshadowing, plot, characterization, setting irony, theme, symbolism and figurative language. Students are required to complete reading and writing assignments both outside and inside class.

Advanced Placement (AP) Literature and Composition

CREDIT: 1

GRADE: 12

HOMEWORK: 4-5 hours/week

PREREQUISITE: English 3 or AP Language and Composition

Students will study college-level materials in language, literature and composition. The content of the course and examination will follow the guidelines of the College Board and the Advanced Placement Program. Summer reading is required for this class. See the teacher in May for your assignment. Note: Each college determines if it grants AP credit and what score is needed to receive credit. Students should talk to the colleges of their choice. **This class is on a 5.0 weighted grading scale.**

English Composition 1 (Butler Community College)

CREDIT: 0.5 (earns 3 college hours)

GRADE: 12

HOMEWORK: 4-5 hours/week

PREREQUISITE: An average "C" or better in high school English and a 3.25+ high school GPA OR ACT English score of 18 or higher/ACT Reading score of 15 or higher OR Passing Score on Accuplacer Test from BCC

In English Composition 1, students will communicate effectively through a variety of writing activities. Students will develop knowledge, skills and critical thinking in regard to writing and reading. The student will recognize the importance of the grammatical and rhetorical structure of language as applied to greater effectiveness and clarity in writing. Students will recognize the process and importance of creating clear and accurate documents through regular writing assignments. It will be taught by an AHS/ACHS teacher but will follow the BCC course syllabus for English Composition 1. Students will be required to pay college tuition and purchase college English textbooks. Upon successful completion of the course, students will earn 0.5 senior English credits for high school and 3 hours of college credit for English Composition I. Seniors who have an average of C or above and an ACT English score of 18 or higher/ACT Reading score of 15 or higher OR a passing score on Asset Test from BCC can apply. **Students will be required to pay college tuition and purchase college English textbooks.**

English Composition 2 (Butler Community College)

CREDIT: 0.5 (earns 3 college hours)

GRADE: 12

HOMEWORK: 4-5 hours/week

PREREQUISITE: English Composition 1

English Composition 2 (BCC) will enable the student to further develop his or her knowledge, skills and understanding of writing and reading. This course places special emphasis on the reading, research and discussion of more thought-provoking writing topics and on argumentative writing strategies. Throughout the course the student will develop more advanced levels of critical thinking skills by responding to various types of texts through research, reading, discussion and argumentative writing. Through this exposure, the student will acquire tools for improving and fostering effective communication skills. Because research provides a basis for most of the writing assignments in the course, the student will improve knowledge, skills and critical thinking in regard to writing and reading and will demonstrate proficiency in library and research skills. **Students will be required to pay college tuition and purchase college English textbooks.**

British Literature 2 (Butler Community College)

CREDIT: 0.5 (earns 3 college hours)

GRADE: 12

HOMEWORK: 4-5 hours/week

PREREQUISITE: English Composition 1

British Literature 2 (BCC) is a continuation of the survey of the major English writers from 1784 to the present, studied in chronological sequence with attention given to the characteristics of the literary historical periods of England. This basic course is recommended for all English majors. Students will be required to pay college tuition and purchase college English textbooks. Upon successful completion of the course, students will earn 0.5 senior English credits for high school and 3 hours of college credit for British Literature 2. **Students will be required to pay college tuition and purchase college English textbooks.**

English Review

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Teacher recommendation

This course may be required for students who have failed a semester of English. It is also an option for students who have been identified as needing further instruction in reading and writing as identified by STAR scores, state assessments or teacher recommendation. Students will receive additional instruction in reading and writing skills based on their individual needs. Student recommendation for this course should be based on lack of achievement in reading and writing rather than behavior or lack of effort.

English as a Second Language

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: KELPA Testing and placement

This course is designed to assist students in acquiring conversational and academic English proficiency. Our district English Language Learner program will work with the student in general areas of listening, speaking, reading and writing. We will work in detailed areas of pronunciation, dialogue, common English expressions, vocabulary, spelling, English grammar rules, reading and writing proficiency. High School students will participate in a Sheltered English Pull-out program for one class period each day to receive Sheltered English instruction from a qualified ELL-ESL (English as a Second Language) Teacher. Proficient acquisition of conversational and academic English and success in regular education classes will result in student exiting the ELL program.

Theatre, Speech and Debate

Theatre 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: None

Students will study many facets of theatre including but not limited to: acting, improvisation, history, scenery, costumes, lighting and theatre spaces. Students will frequently work collaboratively and will be required to perform in front of their peers.

Theatre 2

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: "C" or better in Theatre 1 or teacher approval

Students will study advanced techniques of acting, playwriting and all elements of theatre production as well as study major dramatic works.

Advanced Acting

CREDIT: 1

GRADES: 11-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: Theatre 1 and Theatre 2. By audition.

This two-semester course is an "audition only" class. Students selected will develop skills in improvisation and character analysis. Students will write and perform their own scripts as well as participate in performances in and outside of school. This is a performance-heavy class. Students will be able to repeat this course.

Theatre Technology

CREDIT: 1

GRADES: 10-12

HOMEWORK: As needed

PREREQUISITE: "C" or better in Theatre 1 or teacher approval

This course is designed for students who are interested in learning all of the technical aspects of a production. Students will learn to design and execute sound, lighting, set costumes, makeup and other technical elements as appropriate to the production schedule. Students will also learn stage management skills as well as create and maintain a portfolio. Students will work with various tools and help to build scenery. Students may repeat this course up to three times.

Speech 1

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: None

This course is designed as an introduction to speech communication. Students are prepared in the areas of interpersonal communication, small group communication, communication theory and public speaking. Students learn organization, listening, speaking and critical thinking skills. Students will present a variety of speeches to their peers.

Speech (Butler Community College)

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2 hours/week

PREREQUISITE: 3.25+ high school GPA OR ACT English Score of 18 or Higher/ACT Reading Score of 15 or Higher OR Passing Score on Accuplacer/Asset Test from BCC

Dual Credit Speech (BCC) will follow the BCC syllabus for Public Speaking. This course will enable the student to communicate effectively in a variety of public speaking venues, utilizing nonverbal as well as verbal skills. The student will be able to critically assess information on both a verbal and research level. This course will enable the student to recognize the importance of self-concept in oral communication, to interview effectively and to work in groups confidently. 3 hours college credit. **Students will be required to pay college tuition and purchase college English textbooks.**

Debate 1

CREDIT: 0.5

GRADES: 9-12

PREREQUISITE: None

HOMEWORK: Participation required at night and on weekends during first semester PREREQUISITE: GPA of 2.5 or above

This activity course is designed to teach organization, listening, research, and speaking and argument skills. Students practice these skills through competition with other schools. Students are required to attend 10 afternoon and evening practices. **Students must also be available to attend three weekend tournaments. Students must meet KSHSAA eligibility requirements.**

Advanced Debate

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: Participation required at night and on weekends during first semester

PREREQUISITE: Debate 1 with grade of "C" or above; teacher approval; GPA of 2.5 or above

This course is an extension of the novice course for students who wish to pursue an advanced level of debating. Students continue to develop organization, listening, argument, research and speaking skills. Students will be expected to spend a number of hours each week in extensive research and to be available for four advanced tournaments on weekends. Students must also participate in 10 afternoon and evening practices. **Students must meet KSHSAA eligibility requirements.**

Forensics

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: Must be available for weekend competitions during second semester

PREREQUISITE: GPA of 2.5 or above and first-time forensic participants must enroll in the class

Students prepare events for participation in speech and drama contests. Students may participate in interpretation and speaking events. Events include student congress, public forum debate, Lincoln-Douglas debate, extemporaneous speaking, original oratory, informative speaking, poetry, prose interpretation, humorous interpretation, dramatic interpretation, duet acting and duo interpretation. Students learn speaking, organization and acting skills. Students are required to attend 10 afternoon and evening practices. Students must be available to attend three weekend tournaments. **Students must meet KSHSAA eligibility requirements.**

Mathematics

All math classes will require at least a Texas Instrument TI84+ Silver graphing calculator with a recommendation of a TI84+ CE or a TI NSpire.

Pre-Algebra

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: Teacher recommendation only

Pre-Algebra courses increase students' foundational mathematics skills and prepare them for Algebra I by covering a variety of topics, such as properties of rational numbers (i.e. number theory), ratio, proportion, estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

Algebra 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: 8th-grade Math, Pre-Algebra or equivalent

MATERIALS: Ruler, graph paper and graphing calculator

Students in Algebra 1 will study order of operations, solving equations with one variable, graphing equations, working with exponential expressions and factoring polynomials. Linear and exponential functions will be studied in depth. These topics will be studied in the context of their application to real-world problems as well as at a theoretical level. This course does meet the Qualified Admissions requirements for math if taken at the high school level. The Kansas Standards of number and computation, geometry and data are reinforced throughout the curriculum.

Algebra 1 with AMPED (Algebra in Manufacturing Processes, Entrepreneurship and Design)

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2 hours/week

CONCURRENT: Students must be dual enrolled in AMPED, as well as Algebra 1, to receive 1 credit of Algebra and 1 elective credit for each year long class.

This course contains all objectives and standards delivered in a traditional Algebra 1 course taught through real-world, project-based lessons, labs and activities. Students will be engaged in Career and Technical Education (CTE) content using mathematics as a tool for solving real-world, career-skill-ready problems. All students will work on developing and understanding the skills necessary to thrive in the modern workplace and develop a viable, self-funded business.

Algebra 1 Assist

CREDIT: 1

GRADES: 9-12

HOMEWORK: N/A

PREREQUISITE: Concurrent enrollment in Algebra I and/or Teacher recommendation

MATERIALS: Ruler, graph paper and graphing calculator

This course will cover the same standards as Algebra 1. Class size will be limited to 10-15 students. Students will be placed in Algebra Assist based on grades, test scores and teacher recommendation. Emphasis is placed on interactive, hands-on instructional strategies used to solve real-world application problems. **This class does NOT meet Qualified Admissions requirements for math and does not count as a math graduation requirement but counts as an elective.**

Geometry

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: 8th grade Accelerated Math or Algebra I or equivalent

MATERIALS: Protractor, ruler, compass, graph paper and graphing calculator

Geometry is the study of the various relationships between points, lines, and planes; collection, organization, analysis, interpretation and presentation of data; and the relationship between the sides and angles of triangles. This course will also integrate numerous algebra concepts throughout the year. Topics covered will include measurements, area, volume, proofs, coordinates and transformational geometry, vectors, properties of polygons, similarity and congruence of figures, circles and constructions. This course will also provide an introduction into probability, geometric probability, and independent and dependent events. The trigonometry covered includes right angle definitions of the trigonometric functions, their applications to finding the lengths and angle measures in any triangle, and basic trigonometric identities. Additionally, many topics will be treated at the theoretical level. The appropriate use of technology will be stressed throughout the course. This course meets Qualified Admissions requirements for math.

Honors Geometry

CREDIT: 1

GRADES: 9-12

HOMEWORK: 4-5 hours/week

PREREQUISITE: 8t- grade Accelerated Math or Algebra I with high school teacher recommendation

MATERIALS: Protractor, ruler, compass, graph paper and graphing calculator

Honors Geometry is designed to cover the same topics as Geometry but in greater depth with emphasis on theoretical mathematical concepts and more advanced topics in geometry, statistics and trigonometry. Students in this course will be exposed to theorems which extend median and altitude, proportioning directed line segments, finding the shortest distance from a point to a line, trigonometry topics such as finding lengths and angle measures in right triangles and the Law of Sines and Cosines, analyzing methods of data collection and best practices in statistical research will be addressed, as well as advanced probability computations. The appropriate use of technology will be stressed throughout the course. This course does meet Qualified Admissions requirements for math. **Note: This course is weighted on the 4.5 scale and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this more challenging course.**

Geometry Assist

CREDIT: 1

GRADES: 9-12

HOMEWORK: N/A

PREREQUISITE: Concurrent enrollment in Geometry and/or Teacher recommendation

MATERIALS: Protractor, ruler, compass, graph paper and graphing calculator

This course will cover the same standards as Geometry. Class size will be limited to 10-15 students. Students will be placed in Geometry Assist based on grades, test scores and teacher recommendation. Emphasis is placed on interactive, hands-on instructional strategies used to solve real-world application problems. **This class does NOT meet Qualified Admissions requirements for math and does not count as a math graduation requirement but counts as an elective.**

Geometry with Applied Construction

CREDIT: 1

GRADES: 10

HOMEWORK: As Needed

PREREQUISITE: None

CONCURRENT: Students must be dual enrolled in Applied Construction, as well as Geometry, to receive 1 credit of Geometry and 1 elective credit for each year-long class.

Are you a student who would like to learn Geometry through application? Applied Construction is a comprehensive program designed to instruct students in the basic knowledge and skills required for construction in the residential setting. Since the class will involve making real-world application to Geometry, students will take this course in conjunction with Geometry. This class will expose students to construction careers such as engineering, architecture, construction management, interior design, landscape architecture and surveying. Students will also learn about safety, problem-solving, tool use and drawing interpretation.

Algebra 2

CREDIT: 1

GRADES: 10-12

HOMEWORK: 4-5 hours/week

PREREQUISITE: Geometry or equivalent or Honors Geometry

MATERIALS: Ruler, graph paper and a graphing calculator

This course builds on work covered in Algebra I and Geometry. Students will study linear and nonlinear functions (quadratic, exponential, logarithmic, trigonometric and rational), graphing, sequences (arithmetic and geometric), systems of equations and inequalities, inverses and radicals, basic trigonometry and polynomials. Problem-solving is emphasized throughout, along with applications to real-world problems. This course will also provide a rich background in displaying, describing, transforming and interpreting numerical information in the form of data, graphs, or equations. Additionally, many topics will be explored at the theoretical level through normal distributions, standard deviation, evaluating statistical processes, and the appropriate use of technology will be stressed throughout the course. The mathematics covered in Algebra 2 is considered to be the minimum level of mathematics for success in college work. This course does meet Qualified Admissions requirements for math.

Honors Algebra 2

CREDIT: 1

GRADES: 10-12

HOMEWORK: 4-5 hours/week

PREREQUISITE: Geometry with high school teacher recommendation or Honors Geometry

MATERIALS: Ruler, graph paper and graphing calculator

Honors Algebra 2 is designed to cover the same topics as Algebra 2 but in greater depth with emphasis on theoretical mathematical concepts and more advanced topics. This course builds on work covered in Algebra 1 and Geometry. Students will gain a deeper understanding of inverse functions, probability, statistics and trigonometric functions. Problem-solving is emphasized throughout, along with applications to real-world problems. The appropriate use of technology will be stressed throughout the course. The mathematics covered in Honors Algebra 2 is considered to be the minimum level of mathematics for success in college work. This course does meet Qualified Admissions requirements for math. **Note: This class is on a 4.5 weighted grading scale and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this more challenging course.**

Algebra 2 Assist

CREDIT: 1

GRADES: 10-12

HOMEWORK: N/A

PREREQUISITE: Concurrent enrollment in Algebra 2 and/or Teacher recommendation

MATERIALS: Ruler, graph paper and a graphing calculator

This course will cover the same standards as Algebra 2. Class size will be limited to 10-15 students. Students will be placed in Algebra 2 Assist based on grades, test scores and teacher recommendation. Emphasis is placed on interactive, hands-on instructional strategies used to solve real-world application problems. **This class does NOT meet Qualified Admissions requirements for math and does not count as a math graduation requirement.**

Intermediate Algebra

CREDIT: 1

GRADES: 11-12

HOMEWORK: 4-5 hours/week

PREREQUISITE: Algebra 2 or Honors Algebra 2

MATERIALS: Graph paper and graphing calculator

This course builds on work covered in previous algebra and geometry classes. Students will study linear and nonlinear functions (quadratic, exponential, logarithmic and trigonometric) graphing, sequences (arithmetic and geometric), direct and indirect variations, matrices and their applications, systems of equations and inequalities, along with applications to real-world problems. Additionally, many topics will be explored at the theoretical level. The appropriate use of technology will be stressed throughout the course. This course does meet Qualified Admissions requirements for math.

Applied Statistics (Butler Community College)

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 30-40 minutes/day

PREREQUISITE: College Algebra with a C or better; ACT math score of 23 or higher OR passing score on Accuplacer/Asset Test from BCC

MATERIALS: Graph paper and graphing calculator

This course will enable the student to collect data by appropriate sampling techniques, summarize data with graphs and tables, calculate descriptive statistics, identify misuses of statistics, assess risk using concepts of probability, estimate and make decisions about means and proportions through the use of confidence intervals and hypothesis testing, and perform linear regression. This is a dual-credit Applied Statistics class that will follow the Butler Community College syllabus and worth three math credit hours from BCC. **Students are required to pay both tuition and book costs at BCC.** This course does meet Qualified Admissions requirements for math.

College Algebra (Butler Community College)

CREDIT: 0.5

GRADE: 11-12 Homework: 40-45 minutes/day

PREREQUISITE: Algebra 2 or Intermediate Algebra; ACT math score of 21 or higher OR Passing Score on Accuplacer Test from BCC

MATERIALS: Graph paper and graphing calculator

College Algebra is a study of graphs, relations and functions (including exponential and logarithmic functions), inequalities, complex numbers, systems of equations, solutions of higher degree functions matrices, factoring and other selected topics. This is a dual credit one semester College Algebra class that will follow the BCC syllabus and worth 3 math credit hours from BCC. **Students are required to pay both tuition and book costs at BCC.** This course does meet Qualified Admissions requirements for math.

Pre-Calculus and Discrete Math (PDM)

CREDIT: 1

GRADES: 11-12

HOMEWORK: 45-60 minutes/day

PREREQUISITE: Honors Algebra 2 or Algebra 2 with teacher recommendation

MATERIALS: Graph paper and graphing calculator

This course integrates the conceptual underpinnings of calculus with the topics of discrete mathematics. Students will have the opportunity to informally investigate the traditional concepts of calculus, such as maxima, minima, infinite sequences, limits, derivatives, and integrals as applied to and illustrated by real-world applications. Discrete mathematics will cover such topics as properties of integers, recursion, mathematical induction and combinatorics. The study of functions will include polynomial, rational and trigonometric functions, along with polar coordinates and complex numbers. Problem-solving is emphasized throughout, along with applications to real-world problems. Additionally, many topics will be treated at the theoretical level. The appropriate use of technology will be stressed throughout the course. This course does meet Qualified Admissions requirements for math. **NOTE: This class is on a 4.5 weighted grading scale and requires more in-depth study of the curriculum. Students should carefully consider the extra time needed for this more challenging course.**

College Calculus (Butler Community College)

CREDIT: 1

GRADES: 11-12

HOMEWORK: 60-75 minutes/day

PREREQUISITE: PDM and ACT math score of 26 or higher OR Passing Score on Accuplacer Test from BCC

MATERIALS: Graph paper and graphing calculator

Calculus is the mathematical tool used to analyze changes in physical quantities and investigate the properties and graphs of functions. Topics covered will include: limits, continuity, differentiation and integration of elementary and transcendental functions and their inverses, and trigonometry. Applications of differentiation and integration both inside and outside mathematics will be covered. The use of appropriate technology will be interwoven throughout the course. This course may be taken for dual credit or as an AP course. If taken for dual credit, this course will follow the Butler Community College syllabus and successful completion of the Calculus class will be worth five (5) credit hours with BCC. Students must pay for tuition and books.

AP Calculus

CREDIT: 1

GRADES: 12

HOMEWORK: 60-75 minutes/day

PREREQUISITE: Pre-Calculus and Discrete Math (PDM)

MATERIALS: Graph paper and graphing calculator

Calculus is the mathematical tool used to analyze changes in physical quantities and investigate the properties and graphs of functions. Topics covered will include: limits, continuity, differentiation and integration of elementary and transcendental functions and their inverses, and trigonometry. Applications of differentiation and integration both inside and outside mathematics will be covered. The use of appropriate technology will be interwoven throughout the course. Students must pay for tuition and books. The AP Calculus class will follow the guidelines set up by the AP College Board. Students will study for the AP test given in May. This test is optional, but highly recommended. A fee is charged for taking this test. The amount of college credit given depends on the student's score on the test and the university they will be attending. This course does meet Qualified Admissions requirement for math. **This course is on a weighted 5.0 grading scale.**

Music

Band

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2 hours/week

PREREQUISITE: 8th grade band/Director's approval

This course is a full-year performance organization. The Band will perform at various school functions including football game marching performances, competitive marching performances, basketball pep band performances, symphonic and concert band competitive performances, symphonic and concert band concert series. The instrumental curriculum is designed to build upon fundamental training while expanding the performance opportunities of all students enrolled. Honor Bands, Solos, Ensembles and other forms of individual performances are encouraged to enhance the skills of each musician. **Added rehearsals outside the school day will be necessary. Student obligations will include: marching band shoes, black socks, Band T-shirt, and white gloves. There is annual uniform cleaning fee.**

Jazz Ensemble

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1 1/2 hours/week

PREREQUISITE: 8th grade band; concurrent enrollment in high school band; director's approval

Students are eligible to enroll in this select ensemble by audition only. Current members in good standing of grades 8-11 Bands will be allowed to audition. Members of Jazz Band must be enrolled concurrently in Band 9-12. Students will prepare and perform jazz, pop and other contemporary styles of music at various functions which may include concerts, festivals, basketball games and other venues. The Jazz Band class will also offer opportunities in performance combos and other types of small ensembles. **This class meets at Zero Hour.**

Music Theory and Appreciation

CREDIT: 1

GRADES: 11-12

HOMEWORK: 1 hour/week

PREREQUISITE: Concurrent enrollment in Band or choir

This class is for the more serious music students who plan to pursue a music major or music minor in college. Fundamentals of music theory and music history will be studied to prepare students for placement in college level music theory.

Concert Choir

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1 hour/week

PREREQUISITE: None (7th/8th Vocal/Instrumental Music encouraged)

Concert Choir is a non-select choral ensemble consisting of students in grades 9-12. The class will focus on preparing students for choral music studies. Music reading, counting, vocabulary, some music history and styles will be studied. There will be opportunities for performance throughout the year. There will be several opportunities for performance throughout the year. **An annual outfit fee will be charged. Shoes are the responsibility of the student.**

Women's Ensemble

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Placement audition

This course is a full-year performance organization. Women's Ensemble is an auditioned choral ensemble. The class will study music reading, counting, vocabulary, music history and styles. The class is performance-oriented and will perform many times during the school year. **An annual outfit fee will be charged. Shoes are the responsibility of the student.**

Vocal Ensemble

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Placement audition

This course is a full-year performance organization. Vocal Ensemble is an auditioned choral ensemble. The class will study music reading, counting, vocabulary, music history and styles. The class is performance-oriented and will perform many times during the school year. **An annual outfit fee will be charged. Shoes are the responsibility of the student.**

Chorale

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Placement audition

This course is a full-year performance organization. Chorale is an advanced, auditioned mixed choir. The class will study music reading, counting, vocabulary, music history and styles. The class is performance-oriented and will perform many times during the school year. **An annual outfit fee will be charged. Shoes are the responsibility of the student.**

Singers

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: Placement audition

This course is a full-year performance organization. Singers is an advanced auditioned mixed ensemble. The class will study music reading, counting, vocabulary, music history and styles. The class is performance-oriented and will perform many times during the school year. **An annual outfit fee will be charged. Shoes are the responsibility of the student.**

Physical Education

Foundations of Physical Education

CREDIT: 0.5

GRADE: 9

HOMEWORK: 2 hours/9 weeks

PREREQUISITE: None

This introductory course places an emphasis on developing knowledge, skills and a healthful attitude, enabling a lifetime pursuit of physical activity and fitness. This course is required for graduation.

Foundations of Health

CREDIT: 0.5

GRADE: 10

HOMEWORK: 2 hours/week

PREREQUISITE: None

Student will learn about the various body systems, human sexuality and AIDS, mental health, nutrition and diet, physical fitness, substance abuse, personal hygiene and managing stress. Students in Foundations of Health will also learn decision-making skills and refusal skills, learn about violence prevention and teen dating issues, and about the effects of the media on issues related to healthy lifestyles. This course is required for graduation.

Advanced Physical Education (may be repeated for credit)

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 2 hours/9 weeks

PREREQUISITE: Foundations of Physical Education

Advanced Physical Education is designed to provide students an opportunity for utilizing their physical skills in challenging activities. Outdoor and indoor activities with an emphasis on cardiovascular endurance, muscular strength and flexibility are emphasized in this course.

Weight Training (may be repeated for credit)

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: None

PREREQUISITE: None

The purpose of this course is to develop strength, flexibility, speed and agility. Areas of instruction include weight room safety, spotting techniques, basic anatomy and physiology, and weight training strategies.

Lifetime Fitness

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: None

PREREQUISITE: Foundations of Physical Education

This course is designed to promote wellness through regular participation in physical fitness activities. The need for lifetime exercise as opposed to occasional participation is emphasized. Specific areas of concentration include cardiorespiratory efficiency, muscular strength, flexibility, and setting and achieving fitness goals.

Aerobics

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: None

PREREQUISITE: Foundations of Physical Education

The purpose of this course is to acquire and develop the following: an individual level of health-related fitness, an understanding of how regular exercise can relieve stress, and knowledge of the importance of making a commitment to physical activity as an important part of one's lifestyle. In this class, students will participate in aerobic activities (floor aerobics and kickboxing), walking, jogging and complete body toning with light weights and resistance Bands.

Sports Medicine and Athletic Training

CREDIT: 0.5

GRADE: 10-12

HOMEWORK: None

PREREQUISITE: Foundations of Physical Education/Health

This course will provide a basic understanding of and experience in athletic training and applied health sciences. It will help prepare students interested in competitive athletics, non-competitive involvement in athletics, healthcare careers, applied health science careers as physical therapy, kinesiology, or sports medicine or careers in such fields as personal training, coaching or teaching physical education.

Science

Biology

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: 8th-Grade Regular/Advanced Science or equivalent

Biology is the study of living things. Students will learn about the cell, DNA, genetics, bacteria, fungi, protists, and plant and animal phylogeny as well as evolution as a unifying theme.

Honors Biology

CREDIT: 1

GRADES: 9-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: 8TH-Grade Regular/Advanced Science or equivalent

Biology is the study of living things. Students will learn about the cell, cellular respiration, photosynthesis, Ecology, Transcription, Translation, Replication DNA, genetics, bacteria, fungi, protists, and plant and animal phylogeny as well as evolution as a unifying theme. **This course is on a 4.5 weighted grading scale.**

Physical Science

CREDIT: 1

GRADES: 10-11

PREREQUISITES: Biology or Honors Biology

Physical Science draws upon the principles of several scientific specialties — earth-space science, chemistry and physics — and organize the material around thematic units. Common themes covered include systems, models, energy, patterns, change and constancy. These courses use appropriate aspects from each specialty to investigate application of the theme.

Advanced Placement (AP) Biology

CREDIT: 1

GRADES: 11-12

HOMEWORK: 2 hours/week

PREREQUISITES: Biology and Chemistry

AP Biology is designed to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Course content will be driven by the required Advanced Placement Biology curriculum and exam. The primary goal is to develop a deep understanding of concepts rather than on memorizing terms and technical details. The AP Biology class will follow the guidelines set up by the AP College Board. Students will study for the AP test given in May. This test is optional, but highly recommended. A fee is charged for taking this test. The amount of college credit given depends on the student's score on the test and the university they will be attending. **This course is on a weighted 5.0 grading scale.**

Chemistry

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: Biology or concurrently taking Biology and Algebra 1

Chemistry is a study of matter and its changes. With the use of laboratory experiments and other inquiry methods, theories will be developed to explain how matter interacts. Major concepts include the properties of matter, chemical bonding, atomic theory, the structure of the periodic table, writing and balancing chemical equations, energy changes in reactions and acid/base theory. Grading is based on homework, lab reports and tests.

Honors Chemistry

CREDIT: 1

GRADES: 10-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: Biology

Chemistry is a study of matter and its changes. With the use of laboratory experiments and other inquiry methods, theories will be developed to explain how matter interacts. Major concepts include the properties of matter, chemical bonding, atomic theory, the structure of the periodic table, writing and balancing chemical equations, energy changes in reactions, acid/base theory and chemical equilibrium. Grading is based on homework, lab reports and tests. Honors Chemistry works at a faster pace, is more in-depth and more rigorous than Chemistry. **This course is on a 4.5 weighted grading scale.**

Advanced Placement (AP) Chemistry

CREDIT: 1

GRADES: 11-12

HOMEWORK: 3-5 hours/week

PREREQUISITE: B or Better in Chemistry/Completed or Enrolled in Algebra 2

The Advanced Placement Chemistry course is designed to be the equivalent of the first-year of course at the university level. Emphasis is placed on problem-solving and methods of investigation of chemistry. A wide range of concepts including the Quantum Mechanical Model of the atom, thermodynamics, chemical kinetics and electrochemistry are considered. The goals of the course are to prepare for the Advanced Placement test and to develop analytical and critical thinking skills required for the further study of the sciences at the university level. Note: Each college determines if it grants AP credit and what score is needed to receive credit. Students should talk to the colleges of their choice. **This course is on a 5.0 weighted grading scale.**

Physics

CREDIT: 1

GRADES: 11-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: Algebra 2. It is also helpful if the student has taken a previous chemistry class.

Physics is a natural science that involves the study of matter and its motion through space and time, along with related concepts such as energy and force. More broadly, it is the general analysis of nature, conducted in order to understand how the universe behaves. This laboratory-based course shows how these major concepts interact and relate to each other. Grading is based on homework, lab reports and tests.

Advanced Placement (AP) Physics 1

CREDIT: 1

GRADES: 11-12

HOMEWORK: 3-5 hours/week

PREREQUISITE: Algebra 2

Physics AP-1 is an introductory, algebra-based college physics course with a focus on kinematics, Newton's law of motions; torque; rotation motion and angular momentum; gravitation and circular motion; work; energy and power; linear momentum; oscillations; mechanical waves and sound; and an introduction to electric circuits. Students who take the AP Physics 1 exam from the College Board can receive 5 credit hours of college physics for a qualifying score. Note: Each college determines if it grants AP credit and what score is need to receive credit. Students should talk to the colleges of their choice. Students may enroll in AP Physics 1 and/or AP Physics 2. **This course is on a 5.0 weighted grading scale.**

Advanced Placement (AP) Physics 2

CREDIT: 1

GRADES: 11-12

HOMEWORK: 3-5 hours/week

PREREQUISITE: Algebra 2

Physics AP-2 is an introductory, algebra-based college physics course with a focus on fluid statics and dynamics; thermodynamics with kinetic theory, PV diagrams and probability; electrostatics; electric circuits with capacitors; magnetic fields; electromagnetism; physical and geometric optics; topics in modern physics. Students who take the AP Physics 2 exam from the College Board can receive 5 credit hours of college physics for a qualifying score. Note: Each college determines if it grants AP credit and what score is need to receive credit. Students should talk to the colleges of their choice. Students may enroll in AP Physics 1 and/or AP Physics 2. **This course is on a 5.0 weighted grading scale.**

AP Physics C Electricity and Magnetism

CREDIT: 1

GRADE: 12

HOMEWORK: 2-3 hours/week

PREREQUISITE: Concurrent enrollment in Calculus

AP Physics C Electricity and Magnetism is a first-year university calculus-based physics course. It covers topics including: electrostatics, electric circuits, magnetic fields and electromagnetism. It aligns with the College Board's AP curriculum scoring well on the National AP exam and may receive college credit. **This course is on a 5.0 weighted grading scale.**

AP Physics C Mechanics

CREDIT: 1

GRADE: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: Concurrent enrollment in Calculus

AP Physics C Mechanics is a first-year university calculus-based physics course. It covers topics including kinematics, Newton's laws, work, power, energy, linear momentum, rotational motion, oscillations and gravitation. It aligns with the College Board's AP curriculum, and students scoring well on the National AP exam may receive college credit. **This course is on a 5.0 weighted grading scale.**

Anatomy and Physiology 1

CREDIT: 0.5

GRADE: 11-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: 2 science credits

This class covers the anatomical and physiological aspects of various systems of the human body. The systems learned in the first semester include the introduction and overview of the body, and the nervous, skeletal, muscular and sense organs. This class is recommended for those planning on entering a medical or health profession.

Anatomy and Physiology 2

CREDIT: 0.5

GRADE: 11-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: 2 science credits and Anatomy and Physiology 1

This class covers the anatomical and physiological aspects of various systems of the human body. The systems learned during the second semester include the excretory, integumentary, endocrine, lymphatic, circulatory, respiratory and digestive. This class is recommended for those planning on entering a medical or health profession.

Environmental Science 1

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: Physical Science or Chemistry, or concurrently taking Physical Science or Chemistry

The goal of Environmental Science is to provide students with an understanding of interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

Environmental Science 2

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 1-2 hours/week

PREREQUISITE: Biology and Environmental Science 1

This course is a continuation of the Environmental Science 1 class. This interdisciplinary course continues the study of a wide variety of scientific topics including ecosystems, earth's surface processes and changes, human interaction with earth and a study of the engineering and technologies that affect our world.

Advanced Placement (AP) Environmental Science

CREDIT: 1

GRADES: 11-12

HOMEWORK: 4-6 hours/week

PREREQUISITE: Successful completion of 1 full year of Biology and 1 full year of Chemistry

Advanced Placement Environmental Science is a full-year course designed to provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems and to examine alternative solutions for resolving or preventing them. Major topics covered in this course include: Earth systems and resources, the ecosystem and the living world, human population, land and water use, energy resources and consumption, pollution and global change. AP Environmental Science will follow the guidelines set up by the AP College Board. Students will study for the AP test given in May. This test is optional, but highly recommended. A fee is charged for taking this test. The amount of college credit given depends on the student's score on the test and the university they will be attending. **This course is on a 5.0 weighted grading scale.**

Environmental Sustainability

CREDIT: 1

GRADES: 11-12

HOMEWORK: 3-5 hours/week

PREREQUISITE: Anatomy and Physiology OR AP Environmental Science OR AP Biology

Students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply issues and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.

Zoology

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 3 hours/week

PREREQUISITE: Two science credits

This course provides a perspective of the animal kingdom by investigating the various groups of animals in zoology using systematic zoology. It is designed for students who are planning to pursue a major in biology, or who are interested in pursuing their knowledge of structure, habits and taxonomy of the animal kingdom.

Social Studies

World Geography

CREDIT: 0.5

GRADE: 9

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

Students will study systematic relationships between people, politics and economics and the land. They will use maps and other geographic tools to obtain environmental information. Students will also learn about the Earth's physical features and culture as influenced by the physical environment.

Modern World History

CREDIT: 0.5

GRADE: 10

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

The course begins with the Renaissance and continues with the Protestant Reformation, the Age of Enlightenment, with emphasis on development of our present form of government. Major revolutions such as the Scientific, French and Industrial are studied to examine our world's evolution from an agrarian to industrial society. The course concludes with an examination of the two world wars of the 20th century and their impact on the world today.

Honors Modern World History

CREDIT: 0.5

GRADE: 10

HOMEWORK: 3 hours/week

PREREQUISITE: None

Honors Modern World History offers students an opportunity to take the required Modern World History in an advanced format. The content will cover the Renaissance/Reformation era, the Age of Enlightenment and Discovery with an emphasis on the development of our present form of government. Major revolutions such as the Scientific, French and Industrial are studied to examine our world's evolution from an agrarian to industrial society. The course concludes with an examination of the two world wars of the 20th century and their impact on the world today. The honors section of this course will incorporate reading two to three historical novels as well as place an emphasis on interpreting historical primary documents and developing analytical writing skills. **This course is on a 4.5 weighted grading scale.**

Accelerated United States History 10

CREDIT: 0.5

GRADE: 10

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

This course will provide students the opportunity to examine American history from the colonization era through the entrenchment of political parties at the end of the Jacksonian era (1492-1840). Students will analyze primary sources to interpret the various perspectives in American history as well as synthesize documents through document based questions and essays. These skills will prepare students for AP U.S. History and is required as a prerequisite for AP US History. **This course will be graded on the 5.0 grading scale. Note: This class will only be offered in the spring.**

Current World Affairs

CREDIT: 0.5

GRADES: 10-12

HOMEWORK: 1 hour/week

PREREQUISITE: None

Students will investigate and analyze the world's current events that will shape the future. National and international issues from recent years will be examined and applied to the current status of affairs. Current magazines, newspapers, CNN and other news media will be used as resource materials as students will be expected to articulate and discuss relevant issues pertaining to local, state, national and international events.

United States History

CREDIT: 1

GRADE: 11

HOMEWORK: 2-3 hour/week

PREREQUISITE: None

This course will study the history and development of the United States during the 20th Century. Students will analyze the development of industrialization, war, social change and world relations in the U.S. and evaluate the effect of these developments on today's world.

AP (Advanced Placement) United States History

CREDIT: 1

GRADE: 11

HOMEWORK: 4-5 hours/week

PREREQUISITE: Accelerated United States History

AP U.S. History is a college-level course which covers the political, economic, social and cultural history of the United States from the time of pre-European exploration to the present. The course is designed to improve skills that relate to advanced academic study while preparing students to successfully take the AP exam in May. Essay writing and critical thinking skills will be developed throughout the course of the year and students will be expected to evaluate and synthesize American History through written and oral means. Note: each college determines if it grants AP credit and what score is needed to receive credit. Students should talk to the colleges of their choice. **This course is on a 5.0 weighted grading scale.**

Introduction to Psychology

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2 hours/week

PREREQUISITE: None

This is a basic course in psychology. It will provide an introduction to the principles, problems, methods of studying human behavior and mental processes. The different theories will be compared and contrasted.

Introduction to Sociology

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2 hours/week

PREREQUISITE: None

This course is a student of social interactions. Emphasis will be given to the relationship between culture and personality, attitude, communication and group processes.

Economics

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

This course is designed to apply the concepts of economics into the real world. Major theories will be examined and applied to activities drawn from life experiences. Major emphasis will be given to decision-making, the government's role in daily financial life and the building of personal confidence in economic skills.

Comparative World Religions

CREDIT: 0.5

GRADES: 11-12

HOMEWORK: 2 hours/week

PREREQUISITE: None

This course will examine the five major world religions of Judaism, Hinduism, Buddhism, Christianity and Islam. Students will analyze the origins and purpose of religion as well as investigate the cultures, traditions, beliefs and values of the major religions. Students will be expected to be sensitive to the diverse beliefs and values that each religion offers.

United States Government

CREDIT: 0.5

GRADE: 12

HOMEWORK: 2 hours/week

PREREQUISITE: None

This course is designed to introduce students to the basic concepts in our governmental system. Students will analyze the theories of government, the meaning and application of the Constitution, political behavior, the structure and function of government (legislative, executive, and judicial) and bureaucracy, and civil rights and civil liberties.

AP (Advanced Placement) United States Government

CREDIT: 0.5

GRADE: 12

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

This course will provide students an analytical perspective on government and politics in the United States. It includes the study of general concepts used to interpret U.S. politics and the analysis of specific examples. The course provides familiarity with the various institutions, groups, beliefs and ideas that constitute U.S. politics. The areas of study (constitutional underpinnings, political beliefs and behaviors, political parties, interest groups and mass media, institution of government, public policy, civil rights and civil liberties) will help to prepare the student for the AP exam. Note: each college determines if it grants AP credit and what score is needed to receive credit. Students should talk to the colleges of their choice. **This course is on a 5.0 weighted grading scale.**

United States Government (Butler Community College)

CREDIT: 0.5

GRADE: 12

HOMEWORK: 2-3 hours/week

PREREQUISITE: a 3.25+ high school GPA OR ACT English Score of 18 or Higher/ACT reading Score of 15 or Higher OR Passing Score on Accuplacer Asset Test from BCC

This course will evaluate the framework and institutions of the national government of the United States; outline the philosophy and principles of the American democratic tradition; analyze the organization and functions of the branches of national and state governments; investigate the policy-making process; investigate and analyze the role of political parties; identify and analyze individual rights and freedoms which are guaranteed and protected under our system of law and justice and significance of current national and international problems confronting the American nation. This semester course is a dual credit class which will be taught by a BCCC course syllabus. **Students are required to pay both tuition and book costs at Butler Community College.**

Popular Culture in Recent American History (1950-2000)

CREDIT: 0.5

GRADE: 12

HOMEWORK: 2-3 hours/week

PREREQUISITE: None

This course will examine the impact of popular culture in the United States that helped shape our unique American culture. Popular culture is often absorbed without thinking critically about its content or consequences. This is remarkable given the enormous impact it has on our lives, our identities and our consciousness. Popular culture is a place where fantasies are given form; it is also where social norms gain much of their power. Thus, in this course, each unit will include a brief overview of the significant historical developments of the time period. Beginning with the post-World War 2 era, we will then examine the popular cultural developments that coincided with the historical events. Popular music, literature, stage, screen, radio, television, sports and advertising will be some of the focus areas for study. This class will give an opportunity for students to be exposed to a variety of different media formats and become familiar with some of the powerful influences from popular culture that have both reflected and formed the American identity.

Special Education

USD 385 has a full range of services available to aid the exceptional student in the educational process. These services are either offered in the building or in cooperation with other schools. Parents of students with identified special needs are encouraged to communicate with the school about their children's educational needs. Parents who suspect that their child may have special needs are urged to contact the school's counselors or school psychologist.

Gifted Independent Study

CREDIT: 0.5 per semester

GRADE: 9-12

HOMEWORK: As needed

PREREQUISITE: Must meet state guidelines

This class is offered to those who qualify for the gifted program. The curriculum is designed to meet the individual needs of each student. Both individual and small-group study is utilized. This course is a semester class and may be repeated for credit.

Resource Lab

CREDIT: 1

GRADE: 9-12

HOMEWORK: As needed

PREREQUISITE: Must meet state guidelines

To be enrolled in the Resource Room, a student must have a current IEP. This course will give individualized attention to students based on their needs. Study skills as well as homework completion will be addressed in this course.

Resource Lab Vocational

CREDIT: Varies

GRADE: 9-12

HOMEWORK: None

PREREQUISITE: Must meet state guidelines

This course is designed to provide various work experiences to special education students who meet the requirements. The job sites are within the Andover area and are non-paid positions. Grades are based on a variety of criteria including: punctuality, work attitude, job performance, quality of work, willingness to learn, following instructions, showing initiative, accepting corrections, relationship with others and personal appearance. Students who do not call a work site on days they are absent will have their grades lowered one grade level for each no-show, no-call. This class is an elective and a letter grade is given.

English 1

CREDIT: 1

GRADE: 9

HOMEWORK: 1 hour/week

PREREQUISITE: Must meet state guidelines

In this course students will study language, including development of vocabulary and spelling skills, and the use of the dictionary along with other library resources. We will cover the basic processes of writing a research paper. Special attention will be given to effective sentence structure, paragraph and multi-paragraph instruction. Students will study literature throughout the semester including the examination of basic literary techniques of foreshadowing, plot, characterization, setting, irony, theme, symbolism and figurative language. This course may move more slowly than Regular Education English 1. Other modifications may be made to the course based on individual student needs and IEP goals.

English 2

CREDIT: 1

GRADE: 10

HOMEWORK: 1 hour/week

PREREQUISITE: Must meet state guidelines and English 1

In this course students will complete units of study in mechanics, vocabulary and usage, which will be combined with process writing to include paragraphs and compositions. Students will write a research report and will be expected to use the process of manuscript revision, research techniques and documentation. Written and oral responses to major works are a significant part of the course. Literature study will include drama, poetry, short stories and novels. Through the study of literature, students will develop skills in comprehension, analysis, interpretation criticism and creative use of language. This course may move more slowly than Regular Education English 2. Modifications may be made to the course based on individual student needs/IEP goals.

English 3

CREDIT: 1

GRADE: 11

HOMEWORK: 1 hour/week

PREREQUISITE: Must meet state guidelines and English 2

The aim of this course is to establish competency in writing and to stress interpretation and analysis of American literary works. Students will complete a research project and a research paper, both of which will incorporate the research process and documentation. This course may move more slowly than Regular Education English 3. Other modifications may be made to the course based on individual student needs and IEP goals.

Basic Math

CREDIT: 1

GRADES: 9-11

HOMEWORK: 2 hours/week

PREREQUISITE: Must meet state guidelines

In this course students will study basic math skills used in day-to-day life. Students will learn budgeting skills and complete a banking unit.

Pre-Algebra

CREDIT: 1

GRADES: 9-11

HOMEWORK: 2 hours/week

PREREQUISITE: Must meet state guidelines

This is a pre-algebra course and provides a smooth path from elementary arithmetic to algebra and from the visual world to geometry. Topics covered include measurement (both English and metric), variables, problem-solving, formulas, number systems, equations, graphing, data analysis and probability, and some basic geometry concepts including transformations. Emphasis is placed on interactive techniques used to solve real-world problems. This course may move more slowly than Regular Education Bridges. Other modifications may be made to the course based on individual student needs and IEP goals.

Algebra 1

CREDIT: 1

GRADES: 9-12

HOMEWORK: 2-3 hours/week

PREREQUISITE: Pre-Algebra

MATERIALS: Ruler, graph paper and graphing calculator

Students in Algebra 1 will study order of operations, solving equations with one variable, graphing equations, working with exponential expressions and factoring polynomials. Linear and exponential functions will be studied in depth. These topics will be studied in the context of their application to real-world problems as well as at a theoretical level. This course does meet the Qualified Admissions requirements for math if taken at the high school level. The Kansas Standards of number and computation, geometry and data are reinforced throughout the curriculum.

Health

CREDIT: 0.5

GRADE: 10

HOMEWORK: 1 hour/week

PREREQUISITE: None

Physical Education courses provide students with knowledge, experience and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports and fitness/conditioning activities.

Speech 1

CREDIT: 0.5

GRADE: 12

HOMEWORK: 1-2 hours/week

PREREQUISITE: None

This course is designed as an introduction to speech communication. Students are prepared in the areas of interpersonal communication, small group communication, communication theory and public speaking. Students learn organization, listening, speaking and critical thinking skills. Students practice informative, visual aids and persuasive speaking before an audience.

Biology in Context

CREDIT: 1

GRADES: 9-11

HOMEWORK: 1 hour/week

PREREQUISITE: Must meet state guidelines and freshman science

Biology in Context covers the same standards as Biology. The instructional delivery model of this class, however, is different. Biology in Context teaches students biology concepts through application and real-world experiences. This allows students to explore experience, understand and apply biology concepts to real life. Emphasis in this class will be placed on understanding through the use of technology, labs and hands-on experiences. This course may move more slowly than Regular Biology in Context. Other modifications may be made to the course based on individual student needs and IEP goals.

World Geography

CREDIT: 0.5

GRADE: 9

HOMEWORK: 1-2 hour/week

PREREQUISITE: Must meet state guidelines

Students in this course will study the relationship between people, political and economic systems, and the land. They will also learn about the Earth's physical features and culture as influenced by the physical environment. This course may move more slowly than Regular Education World Geography. Other modifications may be made to the course based on individual student needs and IEP.

Modern World History

CREDIT: 0.5

GRADE: 10

HOMEWORK: 1-2 hours/week

PREREQUISITE: Must meet state guidelines

The course begins with the Renaissance and continues with the Protestant Reformation -- the Age of Enlightenment – with an emphasis on development of our present form of government. Major revolutions such as the Scientific, French and Industrial are studied to examine our world's evolution from an agrarian to industrial society. The course concludes with an examination of the two world wars of the 20th century and their impact on the world today. This course may move more slowly than Regular Education Modern World History. Other modifications may be made to the course based on individual student needs/IEP.

U.S. History

CREDIT: 1

GRADE: 11

HOMEWORK: 1 hour/week

PREREQUISITE: Must meet state guidelines

This course will review the history and development of the United States since the Reconstruction period beginning in 1865. Close attention will be paid to the development of industrialization, wars, social change and world relations. This course may move more slowly than Regular Education U.S. History. Other modifications may be made based on individual student needs and IEP goals.

U.S. Government

CREDIT: 0.5

GRADE: 12

HOMEWORK: As needed

PREREQUISITE: Must meet state guidelines

This course is designed to introduce students to the basic concepts in our governmental system, including some theories of government; the meaning and application of the Constitution; political behavior, the structure and function of Government (legislative, executive and judicial); the bureaucracy; and civil rights and civil liberties. This course may move more slowly than Regular Education U.S. Government. Other modifications may be made based on individual student needs and IEP goals.

College Release, Study Skills and Seminar/Advisory

These courses are not considered part of the Consortium group.

College Release

CREDIT: 0.5

GRADES: 11-12 HOMEWORK: Determined by course taken

PREREQUISITE: Principal's approval

For Butler Community College (BCC): requires qualifying ACT or BCC Accuplacer Test Score

The College Release Program provides a valuable opportunity for the high school student to enrich themselves. Since there are many classes a student might be interested in taking, each student will be dealt with individually to provide a tailored program that best fits their needs. All college release courses for first semester must be taken for dual credit. Students must enroll in a 3-credit-hour class to get 1 hour release time and two 3-hour classes or one 5-hour class for 2 hours of release time. Students must remain in college hours to receive a passing grade for college release.

Study Skills

CREDIT: 0.5 (Pass/Fail)

GRADE: 9-12

HOMEWORK: 1/2 hour/week

PREREQUISITE: None

This program is designed to help students succeed in the classroom. Grades will be determined on a pass/fail basis. Students will learn study skills that will help them be successful in their individual classes, and also in real life situations. Some activities consist of developing study skills, note and test taking strategies. Students will be able to devote some time to individual courses to strengthen their study habits. Reading, writing, and math may be incorporated into the class.

Seminar/Advisory

CREDIT: .25/year (Pass/Fail)

GRADE: 9-12

HOMEWORK: 1/2 hour/week

PREREQUISITE: None

Students may receive guidance on a wide range of topics during an advisory/seminar period, including course selection, college and career planning, study skills, social problems, and outside-of-school learning opportunities. In addition to one-on-one conversations with a designated advisor, students may also participate in group discussions or team-building exercises intended to build stronger peer relationships and teach students the value of collaboration, constructive feedback and healthy peer interactions.

Consortium

Enrollment is limited in the following areas: aides, study hall and community service. Students in grades 10-11 may enroll in one hour of consortium credit each semester. Seniors may enroll in two hours each semester. The only consortium courses offered for sophomores are Media Aide, and Student Council Leadership Communication.

Aide Program

The purpose of this program is three-fold: 1. Provide individual help to other students; 2. Provide assistance to members of the faculty; or 3. Learn from helping others. Student aides will be used by the office, counselors, the library and teachers. Students who enroll in this program will receive credit if they complete the program. Credit will not be granted to students who are removed from the program. Interested students should examine the list of aide qualifications, be aware of duties to be performed in each area and meet the grade-level requirement. Students will obtain the appropriate signature during the enrollment process.

Teacher Aide

CREDIT: 0.5 (Pass/Fail) (may be repeated for credit)

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: Teacher approval

Students selected will spend one class period each day working with the teacher they are assigned to assist. Duties will vary according to the curriculum and grade level, but they may include typing, filing, taking roll, preparing bulletin boards, assisting students, setting up labs and operating office machines.

Office Aide

CREDIT: 0.5 (Pass/Fail) (may be repeated for credit)

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: Principal's approval

This course provides actual experience in office work. Students taking part will work in the office one class period each day. Duties include picking up absentee reports, answering the telephone, typing, filing, operating office machines, some computer work and running errands.

Counselor Aide

CREDIT: 0.5 (Pass/Fail) (may be repeated for credit)

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: Counselor's approval

Students selected will work in the counselor's offices one class period each day. Duties include typing, filing, operating office machines, arranging materials, running errands, assisting with enrollment, record keeping tasks, checking out information to students and various other duties.

Media Aide

CREDIT: 0.5 (Pass/Fail) (may be repeated for credit)

GRADES: 10-12

HOMEWORK: None

PREREQUISITE: Librarian's approval

This course provides actual clerical and technical work in the library. Students selected will work one class period each day in the media center. Duties include checking out media and equipment, shelving media, preparing media for circulation, typing, making bulletin boards, laminating, using databases and word processors on the computer. Students are encouraged to become competent with additional software as time is available.

Student Tutor

CREDIT: 0.5 (Pass/Fail) (may be repeated for credit)

GRADES: 11-12

HOMEWORK: None

PREREQUISITE: Department Chair approval

Students selected will spend one class period each day working with classes in a department as assigned. Duties include assisting and tutoring other students within the class as directed by the teacher.

Community Service

CREDIT: 0.5 (Pass/Fail) (may be repeated for credit)

GRADES: 11-12

HOMEWORK: Weekly

PREREQUISITE: 2.0 GPA OR Administrator approval

The Community Service Program is an off-campus volunteer program. Students interested in this program will need to make arrangements to work as a volunteer on a daily basis in the Andover community. This would include work at the Andover Healthcare Center, Senior Center, Andover Fire and Rescue, Chamber of Commerce, City Hall, or as a tutor working directly with students at the middle schools or the primary schools.

Student Council – Leadership Communication

CREDIT: 1 (may be earned four times)

GRADES: 9-12

HOMEWORK: None

PREREQUISITE: Elected as a member of the Student Council

This course is designed to teach leadership skills to those students elected to serve on the school's Student Council. Students enrolled in this course receive instruction in leadership and practice those skills while serving the school as Student Council members.

Driver Education (Summer Only)

CREDIT: 0.5

GRADES: 9-12

HOMEWORK: 1/2 hour/day

PREREQUISITE: 14 years old before June 1

Driver Education is offered during the summer months to students who are 14 before June 1. Enrollment for this program occurs during the spring of each school year. Families are encouraged to evaluate carefully at what age the student should enroll in this very valuable course. A balance between the maturity of the student and any possible need to drive on a restricted license should be considered by families when making a decision to enroll a student in Driver Education. **There is a fee for this course.**

Teen Leadership

CREDIT: 0.5

GRADE: 9-12

HOMEWORK: None

PREREQUISITE: None

Teen Leadership is a program in which students develop leadership, personal and business skills. They learn to develop a healthy self-concept and healthy relationships, and to understand personal responsibility. They will develop an understanding of emotional intelligence and the skills it measures, which include self-awareness, self-control, self-motivation and social skills. Students develop skills in public speaking and communication, and an understanding of personal image. They come to understand the concept of principle-based decision-making and develop their own personal mission statement. Students practice and develop skills for conflict resolution and acquire an understanding of the effects of peer pressure, developing skills to counteract those effects. They will develop an understanding of the principles of parenting which enable them to become better family members and citizens, and gain an understanding of the need for vision in goal-setting, both personally and professionally.

College and Career Ready

College and Career Ready means an individual has the

- Academic preparation,
- Cognitive preparation,
- Technical skills, and
- Employability skills

To be successful in postsecondary education, in the attainment of an industry recognized certification or in the workforce, without need for remediation.

College Experience Guide

If you are interested in receiving college credits while still in high school, there are many opportunities available for students. Please discuss course type options with counselors prior to enrolling. All college classes require qualifying test scores in order to enroll.

Concurrent Enrollment

Concurrent enrollment courses are taught by a high school teacher, at the high school, during the high school day. Students can earn both high school and Butler Community College credit upon successful completion of the course. The student receives a BCC letter grade on a BCC transcript, in addition to high school credit. These courses utilize college-level curriculum. All concurrent classes require qualifying test scores in order for students to enroll.

Dual Enrollment

Dual enrollment courses are taught by a college teacher at a college site or online. Students can earn both high school and college credit upon successful completion of the course. The student receives a college letter grade on a college transcript, in addition to high school credit. These courses utilize college-level curriculum. Students must fill out paperwork at the high school prior to enrolling in the class.

Articulated Credit

Articulated credit courses are taught by a high school teacher, at the high school, during the high school day. The student earns high school credit; then college credit is awarded when a student graduates from high school and completes 12 hours of credit at BCC. These courses utilize high school curriculum.

Butler Early College Academies & WSU Tech Jump Start

Butler Community College and WSU Tech offer many programs for current juniors and/or seniors in high school. Students attend high school for half of the day and attend college classes on a designated campus for the other half of the day. Students must meet specific admission requirements, complete a specific application, and be selected for participation in each program. Students are responsible for tuition, fees, and books. Learn more about the specific programs offered by viewing each of the college's website.

BCC Early College Academies: <https://www.butlercc.edu/info/201043/early-college-academies>

WSU Tech Block Programs: <http://wsutech.edu/jumpstart>

Senate Bill 155 (also known as the Governor's CTE Initiative)

Kansas high school students can qualify for free college tuition in approved technical courses offered at Kansas technical and community colleges. Students are still responsible for books and fees. Learn more about SB 155: http://www.kansasregents.org/workforce_development/excel_in_career_technical_education_initiative_senate_bill_155

Policy on Receiving Dual Credit/ Concurrent Credit for College Courses

Credit for both high school and college will be awarded for successful completion of approved course(s) provided the following guidelines are followed:

- 1) Approval, in advance, must be obtained from the principal or a designated representative and must be on file in both the college office and the high school counselor's office.
- 2) A 5-credit-hour class will transfer as 1.0 high school credit. A 3-credit-hour class will be transferred as a 0.5 high school credit. Students involved in the Early College Academies through Butler Community College, and students enrolled in an approved program through WSU Tech will receive credit for 2- and 1-hour classes. A 2-credit hour class will be transferred as a 0.3 high school credit and a 1-credit-hour class will be transferred as a .2 high school credit. Students not enrolled in an Early College Academy or approved WSU Tech program may receive credit for 2 and 1 hour college classes providing the courses were approved by the principal in advance.
- 3) Grades earned in a college class for dual credit will be posted on the high school transcript and will be used for grade point averages, including honor recognition and rank in class. This may affect Valedictorian and Salutatorian status.
- 4) Tuition and all fees for college courses are the responsibility of the student.
- 5) Any college course taken first semester that results in release time from the high school day must be taken for dual credit. Students must enroll in a 3-credit hour class to get one hour release time and two, 3-hour classes or one 5-hour class, for two hours of release time.

REMINDER: Any student participating in extracurricular activities must be enrolled in 5 classes for high school credit during second semester.

- 6) Dual credit forms must be filled out and returned to the high school counselor's office prior to the start of the college class or high school credit will not be given. A copy of the student's college schedule must also be on file in the high school counselor's office.
- 7) Students desiring to change their schedule must do so within five school days after the beginning of the semester. Students will not be permitted to withdraw from a class after the deadline except for highly unusual circumstances. When the student is removed after the deadline they will not be re-enrolled in a credit class. If the withdrawal occurs after the fifth week, an "F" will be recorded on the student's transcript for the course that was dropped.

The student must have permission to withdraw from the principal. Students who do not plan to enroll in a course for dual credit and who seek only college credit must have the approval, in advance, of the principal or a designated representative. This approval will generally not be denied; however, the school official will counsel with the student as to the additional demands that could be placed upon the student and the concern for the student's social and academic wellbeing.

Return to HS Registrar:

1. Completed and signed High School Permission Form
2. College schedule/bill
3. Proof of payment
4. For WSU, also include completed "Request for Transcript" and photo ID of driver's license and Shocker ID.