ANDOVER PUBLIC SCHOOLS

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2025-26
ENROLLMENT GUIDE

CLASSES OF 2028 AND 2029

ANDOVER
PUBLIC SCHOOLS

Building on the foundation of excellence

Our Mission:
Andover Public Schools prepares learners for a changing world by creating meaningful educational opportunities that equip and empower students to lead successful and fulfilling lives.

Portrait of a Graduate

Academic preparation
- Has skills and knowledge to pursue life goals
- Has real-world experience to succeed after high school

Collaboration and communication
- Works well with others
- Values teamwork

Innovative thinking
- Thinks critically and independently
- Solves problems creatively

Integrity and character
- Has strong work ethic
- Does the right thing

Resilience
- Learns from mistakes and failures
- Adapts to an ever-changing world

ANDOVER
PUBLIC SCHOOLS

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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:

Course Category	Credits	Andover Required Courses
Communications	4.5	4 credits of English .5 credit of Speech, Debate, Competitive Speech & Acting, or BCC Speech
STEM: Science, Technology, Engineering and Mathematics	7	3 credits of Math 3 credits of Science 1 credit of STEM Elective (Computer Science, Advanced Math, Advanced Science, Robotics, Advanced CTE, Advanced Technology, etc.)
Society and Humanities	4	.5 credit of World Geography .5 credit of Modern World History 1 credit of US History .5 credit of US Government .5 credit of Social Studies elective 1 credit of Fine Arts
Employability and Life Skills	6	.5 credit of Physical Education .5 credit of Health .5 credit of Financial Literacy 4.5 credits of Electives driven by IPS planning
Computer Applications	.5	Computer Applications
Electives (minimum)	3	3 credits of Electives driven by IPS planning. Students may exceed the minimum.
Total Credits:	**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 8th grade successfully at an accredited school. High School courses completed in the 8th grade in USD 385 can count for high school credit.
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.

The following pages outline the courses that meet the graduation requirements for STEM.

STEM: Science, Technology, Engineering and Mathematics

Students must have at least 7 credits with the following breakdown of courses:

- 3 credits of Math
- 3 credits of Science
- 1 credit of STEM Elective (computer science, advanced math, advanced science, advanced CTE, and advanced technology)

Mathematics

Students must have at least 3 credits of math for graduation. All math courses qualify for a math credit with the exception of Math Support.

Science

Students must have at least 3 credits of science for graduation. All science courses qualify for a science credit.

STEM Elective

Students must have at least 1 credit of a STEM Elective for graduation. These include select courses in computer science, advanced math, advanced science, advanced CTE, and advanced technology. Please note that a student may not count a class twice for graduation requirements. For example, Physics cannot count as both a science credit and a STEM elective for graduation.

The following courses qualify for a STEM elective and are identified in the course descriptions with the STEM Elective logo.

Computer Science	Advanced Mathematics	Advanced Science
AP Computer Science A	Pre-Calculus	Anatomy and Physiology 1
Advanced Programming 1	AP Pre-Calculus	Anatomy and Physiology 2
Advanced Programming 2	AP Calculus	AP Biology
C++ Programming 1	Applied Statistics (BCC)	AP Chemistry
C++ Programming 2	College Algebra (BCC)	AP Environmental Science
Graphic Design and Publishing		AP Physics 1
School Publication		AP Physics 2
VB Programming 1		AP Physics C Electricity and Magnetism
VB Programming 2		AP Physics C Mechanics
		Environmental Science 1
		Environmental Science 2
		Physics

Advanced CTE

CTE Pathway Application level courses that meet the requirements are listed below.

- Advanced Programming 1
- Advanced Programming 2
- AP Computer Science A
- Auto Technology 2
- Banking and Finance
- Broadcast Journalism
- CAPS Business C and D
- CAPS Business E and F
- CAPS Business G and H
- CAPS Engineering B
- CAPS Healthcare Work Experience III
- CAPS Healthcare Work Experience IVA
- CAPS Healthcare Work Experience IVB
- CAPS Create: Business Communications and Human Services Career Exploration
- Career Connections
- Community Connections
- Computerized Accounting 2
- Culinary Applications
- Digital Media Design and Production
- Emerging Trends in Transportation
- Investing
- Metals Technology 2
- Video Game Programming

Advanced Technology

CTE Pathway Technical level courses and select others that meet the requirements include:

- 21st Century Journalism
- Accounting 1
- Advanced Computer Applications
- Advanced Photojournalism
- Anatomy & Physiology 1
- Anatomy & Physiology 2
- Apparel and Textiles 2
- Architectural Design
- Auto Technology 1
- Baking and Pastry 1
- Business Communications
- CAD and Design
- CAPS Create
- CAPS Business A, B, C, D, E & F
- CAPS Engineering C
- CATIA
- CPR/AED/First Aid
- Culinary Arts 1
- Culinary Essentials
- Construction Careers
- Digital Media Technology
- Essentials of Interior Design & Textile Design
- Family Studies
- Fashion Trends
- Furniture and Cabinetry Fabrication
- Graphic Design and Publishing
- Housing and Interior Design
- Human Growth and Development
- News Publication
- Mechanical Drafting
- Medical Interventions
- Medical Terminology
- Metals Technology 1
- Principles of Marketing
- Research and Clinical Skills A
- Residential Carpentry 1
- School Publications
- Theatre Technology
- VB Programming 1

Postsecondary Assets

Beginning with the graduating class of 2028, students are required to complete two or more postsecondary assets from either of two categories, aligned with their Individual Plan of Study to graduate. They may choose from the following items:

Career and Real-World Examples:

- Youth Apprenticeships
- 40 or more Community Service hours
- Client-centered Projects
- Workplace learning experience directly related to a student IPS
- Industry-Recognized Certifications
- Seal of Biliteracy
- CTE Scholar
- Eagle Scout or Gold Scout
- 4-H Kansas Key Award
- Two or more high school athletics/activities
- JROTC
- 90% attendance in high school
- Senior Exit Interview/Senior Projects

Academic Examples:

- ACT Composite (Score of 21 or higher)
- WorkKeys Level (Silver or higher)
- 9+ College hours
- State Assessment scores of 3 or 4 for Math, ELA, Science (demonstrating College Readiness)
- ASVAB per requirements of military branch selected
- SAT score (1200 or higher)
- Completing Board of Regents Curriculum
- International Baccalaureate Exam (4+)
- Advanced Placement Exam (3+)

FAFSA

The Kansas Board of Regents recommends completion of the FAFSA prior to graduation. Any student, family or school can opt-out from a student completing the FAFSA.

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

Qualified Admissions

High School Graduates Academic Year 2022-2023 and After

The six state universities in Kansas--Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, The University of Kansas, and Wichita State University--use the standards below, set by the Kansas Board of Regents, to review applicants for undergraduate admission.

ACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who graduate from an accredited high school, will be guaranteed admission to six state universities by meeting the Qualified Admissions requirements designated by each university, as follows:

ESU, PSU, FHSU, & WSU:

- Cumulative High School GPA 2.25+ or ACT 21+ (SAT 1060)*

K-State:

- Cumulative High School GPA 3.25+ or ACT 21+ (SAT 1060)*

KU:

- Cumulative High School GPA 3.25+
  OR Cumulative GPA 2.0+ and ACT 21+ (SAT 1060)*

ALL Institutions Require:

- Cumulative GPA 2.0+ for College Credits earned in High School

KANSAS SCHOLARS CURRICULUM IS RECOMMENDED BUT NOT REQUIRED: To best prepare for the rigor of college-level courses, the Kansas Scholars curriculum is recommended.

One unit is equivalent to one year, or two semesters:

English
4 units

Math
4 units
1 unit of each:
Algebra 1, Geometry, Algebra II
1 unit: Advanced Math
See KS Scholars page For Math course list

Social Science
3 units
1 unit U.S. History
.5 unit U.S. Gov
.5 unit World History
1 unit: Social Science course
See KS Scholars Page for Social Science course list

Science
3 units
1 unit of each:
Biology, Chemistry, & Physics

Foreign Language
2 units of the same language

KANSAS SCHOLARS Program: More information about the Kansas Scholars Scholarship & Curriculum can be found here (pdf).

HOMESCHOOL & UNACCREDITED HIGH SCHOOL

Freshman applicants, under the age of 21, who are homeschooled or graduate from an unaccredited high school will be guaranteed admission to the six state universities by achieving an ACT score equivalent to those outlined above, per each university. If you enroll in college courses while in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

**If you do not meet the qualified admission requirements, you are still encouraged to apply. Your application will be reviewed individually. Contact the university admissions office for more information.*

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.

December 2022

NCAA Eligibility - Click here to view the *Guide for the College-Bound Student Athlete*

High School Timeline

9th GRADE REGISTER

» If you haven't yet, **register** for a free Profile Page account at **eligibilitycenter.org** for information on NCAA initial-eligibility requirements.
» Use NCAA Research's **interactive map** to help locate NCAA schools you're interested in attending.
» Find your high school's list of NCAA-approved core courses at **eligibilitycenter.org/courselist** to ensure you're taking the right courses, and earn the best grades possible!

10th GRADE PLAN

» If you're being **actively recruited** by an NCAA Division I or II school, **transition** your Profile Page account to the right **certification account**.
» Monitor the **task list** and **sign up for text alerts** in your **Eligibility Center account** for next steps.
» Research the admission requirements for NCAA schools you're interested in attending.
» At the end of the school year, ask your high school counselor from each school you attended to upload your **official transcript** via the High School Portal.
» If you fall behind academically, ask your high school counselor for help finding **approved courses** you can take.

11th GRADE STUDY

» Ensure your **sports participation** information is correct in your Eligibility Center account.
» Check with your high school counselor to make sure you're on track to complete the required number of NCAA-approved **core courses** and graduate on time with your class.
» Share your **NCAA ID** with NCAA schools recruiting you so each school can place you on its **institutional request list**.
» Take **unofficial and official visits** to NCAA schools you're interested in attending and start applying early.
» At the end of the school year, ask your high school counselor from each school you attended to upload your **official transcript** via the High School Portal.

12th GRADE GRADUATE

» Be accepted to the NCAA school you plan to attend.
» Ensure your **sports participation** information is correct and **request your final amateurism certification** beginning April 1 (fall enrollees) or Oct. 1 (winter/spring enrollees) in your Eligibility Center account.
» Complete your final NCAA-approved **core courses** as you prepare for graduation.
» After you graduate, ask your high school counselor to upload your **final official transcript** with **proof of graduation** via the High School Portal.

Division I Academic Standards

Division I schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of **full-time enrollment**, you must meet the following requirements:

NCAA DIVISION I

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA ENGLISH, MATH OR SCIENCE	SOCIAL SCIENCE	ADDITIONAL Any area listed to the left or world language, comparative religion or philosophy
4 years	3 years	2 years	1 year	2 years	4 years

2. Complete your 16 NCAA-approved core-course credits in eight semesters from your initial start of ninth grade. If you graduate from high school early, you still must meet core-course requirements.
3. Meet the **10/7 requirement** by completing 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of your seventh semester.

Semester 1 | Semester 2 | Semester 3 | Semester 4 | Semester 5 | Semester 6 | Semester 7 | Semester 8

Before the start of your seventh semester, any core course needed to meet the 10/7 requirement can be replaced or repeated for a higher grade. Visit on.ncaa.com/10/7requirement to learn more.

After the start of your seventh semester, the Eligibility Center will use the best combination of core courses to meet the 10/7 requirement.

» Students with solely **international** academic credentials (including Canada) are not required to meet the 10/7 requirement.

4. Earn a minimum 2.3 **core-course GPA**.
5. Ask your high school counselor to upload your **final official transcript** with **proof of graduation** to your Eligibility Center account.
6. Receive academic and amateurism certifications from the Eligibility Center.

Example Schedule

How to Plan Your High School Courses to Meet the 16 Core-Course Requirement

4 x 4 = 16

9th GRADE	10th GRADE	11th GRADE	12th GRADE
(1) English	(1) English	(1) English	(1) English
(1) Math	(1) Math	(1) Math	(1) Math
(1) Science	(1) Science	(1) Science	(1) Science
(1) Social science and/or additional	(1) Social science and/or additional	(1) Social science and/or additional	(1) Social science and/or additional
4 CORE COURSES	4 CORE COURSES	4 CORE COURSES	4 CORE COURSES

Division II Academic Standards

Division II schools require you to meet academic standards. To be eligible to practice, compete and receive an athletics scholarship in your first year of **full-time enrollment**, you must meet the following requirements:

DIVISION II

MAKE IT YOURS.

1. Earn 16 NCAA-approved core-course credits in the following areas:

ENGLISH	MATH (Algebra I or higher)	SCIENCE (Including one year of lab, if offered)	EXTRA ENGLISH, MATH OR SCIENCE	SOCIAL SCIENCE	ADDITIONAL Any area listed to the left or world language, comparative religion or philosophy
3 years	2 years	2 years	3 years	2 years	4 years

2. Earn a minimum 2.2 **core-course GPA**.
3. Ask your high school counselor to upload your **final official transcript** with **proof of graduation** to your Eligibility Center account.
4. Receive academic and amateurism certifications from the Eligibility Center.

What If I Don't Meet Division II Standards?

If you have not met all the Division II academic standards, you may not compete in your first year of **full-time enrollment** at a Division II school. However, you will be deemed a partial qualifier. All Division II partial qualifiers may practice and receive an athletics scholarship but may NOT compete during their first year of full-time enrollment.

Division II Worksheet

Use the **Division II Worksheet** to assist you in monitoring your progress in meeting NCAA initial-eligibility standards. The Eligibility Center will determine your academic status after you graduate. Remember to check **your high school's list** of NCAA-approved core courses for the courses you have taken or plan to take.

ACADEMIC CERTIFICATION DECISIONS

Academic certifications are required for all college-bound student-athletes planning to compete at an NCAA Division II school. If you're being recruited by a Division II school, below are the most common decisions you may receive once a certification has been completed.

EARLY ACADEMIC QUALIFIER

If you meet **specific criteria** after six semesters of high school, you may be deemed an early academic qualifier for Division II and may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

QUALIFIER

You may practice, compete and receive an athletics scholarship during your first year of full-time enrollment.

PARTIAL QUALIFIER

You may practice and receive an athletics scholarship but may NOT compete during your first year of full-time enrollment.

Grading Scale and Graduation Honors

USD 385 recognizes GPA on a weighted grading scale, which gives certain courses a weighted grade. The information below shows which courses are on a weighted scale, and courses not listed continue to receive points based 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 points	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 Modern World History
Honors Geometry
Honors Algebra 2
Honors Chemistry
Spanish 5

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 Pre-Calculus
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.

4.00+ GPA Summa Cum Laude
3.80-3.99 GPA Magna Cum Laude
3.60-3.79 GPA Cum Laude

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 conversations 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 at the student's request.
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 on 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
FIN = Financial Literacy
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				
Business Communications	½	11-12	N	ZEL
Human Services Career Exploration	1	11-12	N	ZEL
CAPS Business A and B	1½	11-12	N	ZEL
CAPS Business C and D	1½	11-12	N	ZEL
CAPS Business E and F	1½	12	N	ZEL
CAPS Business G and H	1½	12	N	ZEL
CAPS Engineering A and B	1½	11-12	N	ZEL
CAPS Engineering C and D	1½	11-12	N	ZEL
CAPS Engineering E and F	1½	12	N	ZEL
CAPS Engineering G and H	1½	12	N	ZEL
Intro to Health Care	½	11-12	N	ZEL
CPR/AED/First Aid	½	11-12	N	ZEL
Medical Terminology	½	11-12	N	ZEL
Medical Interventions	1	11-12	N	ZEL
Health Care Research and Clinical Skills A	½	11-12	N	ZEL
CAPS Healthcare Work Experience III	1	12	N	ZEL
CAPS Healthcare Work Experience IVA	½	12	N	ZEL
CAPS Healthcare Work Experience IVB	1½	12	N	ZEL
Applied Technologies				
Auto Technology 1	1	9-12	Y	ZEL
Auto Technology 2	2	10-12	Y	ZEL
Furniture and Cabinetry Fabrication	1	11-12	Y	ZEL
Geometry with Applied Construction	1	10	N	ZEL
Introduction to Transportation Info	½	9-12	N	ZEL
Introduction to Welding	½	9-12	Y	ZEL

Intro to Woods Technology	½	9-12	Y	ZEL
Metals Technology 1	1	9-12	Y	ZEL
Metals Technology 2	1	10-12	Y	ZEL
Woodworking Principles	1	10-12	Y	ZEL
Art				
Intro to Art	½	9-12	N	FA
Ceramics 1	½	9-12	Y	FA
Ceramics 2	½	10-12	Y	FA
Ceramics 3	½	10-12	Y	FA
Drawing 1	½	9-12	Y	FA
Drawing 2	½	10-12	Y	FA
Drawing 3	½	10-12	Y	FA
Painting 1	½	9-12	Y	FA
Painting 2	½	10-12	Y	FA
Painting 3	½	10-12	Y	FA
Sculpture 1	½	9-12	Y	FA
Sculpture 2	½	10-12	Y	FA
Sculpture 3	½	10-12	Y	FA
Studio Art	½	10-12	Y	FA
Business and Computer Studies				
Accounting 1	½	10-12	N	ZEL
Banking and Finance	½	11-12	N	ZEL
Business Essentials	½	9-12	N	ZEL
Business Law	½	10-12	N	ZEL
Computerized Accounting 2	½	11-12	N	ZEL
Investing	½	11-12	N	ZEL
Sports and Entertainment Marketing	½	10-12	N	ZEL

Youth Entrepreneurs	1	10-12	N	ZEL
Advanced Placement (AP) Computer Science A	1	10-12	N	CMP
Advanced Programming 1	½	11-12	N	CMP
Advanced Programming 2	½	11-12	N	CMP
Computer Applications	½	9-12	N	CMP
Advanced Computer Applications	½	9-12	N	CMP
C++ Programming 1	½	10-12	N	CMP
C++ Programming 2	½	10-12	N	CMP
Graphic Design and Publishing	½	9-12	N	CMP
Tech Support	½	11-12	N	ZEL
VB Programming 1	½	9-12	N	CMP
VB Programming 2	½	9-12	N	CMP
Video Game Programming	½	11-12	N	CMP
Web Design	½	9-12	N	CMP
Web Graphics and Animation	½	9-12	N	CMP
Drafting				
Architectural Design	1	11-12	N	ZEL
Computer-Aided Drafting and Design (CADD)	1	10-12	N	ZEL
Housing and Interior Design	½	10-12	N	ZEL
Mechanical Drafting	½	9-12	N	ZEL
Family and Consumer Science				
Apparel and Textiles 1	1	9-12	Y	ZEL
Apparel and Textiles 2	1	10-12	Y	ZEL
Baking and Pastry	½	9-12	N	ZEL
Career and Life Planning	½	9-12	N	ZEL
Career Connections	½	11-12	N	ZEL
Community Connections	½	11-12	N	ZEL

Culinary Arts 1	1	10-12	N	ZEL
Culinary Essentials	½	9-12	N	ZEL
Culinary Applications	1	10-12	N	ZEL
Essentials of Interior and Textile Design	½	11-12	N	ZEL
Family Studies	½	11-12	N	ZEL
Financial Literacy	½	11-12	N	FIN
Human Growth and Development	½	10-12	N	ZEL
Journalism				
Photojournalism	½	9-12	Y	FA
Advanced Photojournalism	½	9-12	Y	FA
Broadcast Journalism	1	10-12	N	FA
Digital Media Technology	½	9-12	N	ZEL
Digital Media Design and Production	1	10-12	N	ZEL
News Publication	1	10-12	N	ZEL
School Publications	1	10-12	N	ZEL
21st Century Journalism	½	9-12	N	ZEL
Language Arts				
English 1	1	9	N	ENG1
Honors English 1	1	9	N	ENG1
English 2	1	10	N	ENG2
Honors English 2	1	10	N	ENG2
English 3	1	11	N	ENG3
English 4	1	12	N	ENG4
Applied English 4	1	12	N	ENG4
AP Language and Composition	1	11	N	ENG3
AP Literature and Composition	1	12	N	ENG4
English Composition 1 (BCC)	½	12	Y	ENG4

English Composition 2 (BCC)	½	12	Y	ENG4
British Literature 2 (BCC)	½	12	Y	ENG4
English and Reading Support	½	9-12	N	ZEL
English as a 2nd Language	½	9-12	N	ZEL
Mathematics				
Pre-Algebra	1	9-12	N	AMTH
Algebra 1	1	9-12	N	AMTH
Geometry	1	9-12	N	AMTH
Honors Geometry	1	9-12	N	AMTH
Algebra 2	1	10-12	N	AMTH
Honors Algebra 2	1	10-12	N	AMTH
Intermediate Algebra	1	11-12	N	AMTH
Math Support	1	9-12	N	ZEL
Pre-Calculus	1	11-12	N	AMTH
AP Pre-Calculus	1	11-12	N	AMTH
AP Calculus	1	12	N	AMTH
Applied Statistics (BCC)	½	11-12	Y	AMTH
College Algebra (BCC)	½	11-12	Y	AMTH
Music				
Band	1	9-12	Y	FA
Jazz Ensemble	1	9-12	N	FA
Concert Orchestra	1	9-12	Y	FA
Chorale	1	9-12	Y	FA
Concert Choir	1	9-12	Y	FA
Musical Theatre	1	10-12	N	FA
Singers (Madrigal)	1	10-12	Y	FA
Treble Ensemble	1	10-12	Y	FA

Show Choir	1	10-12	Y	FA
Music Theory and Appreciation	1	11-12	N	FA
Physical Education				
Aerobics	½	10-12	N	PE
Advanced Physical Education	½	10-12	N	PE
Foundations of Health	½	10	N	PHT
Foundations of Physical Education	½	9	N	PE
Lifetime Fitness	½	10-12	N	PE
Sports Medicine/Athletic Training	½	10-12	N	ZEL
Weight Training	½	9-12	N	PE
Science				
Anatomy and Physiology 1	½	11-12	N	SCBR
Anatomy and Physiology 2	½	11-12	N	SCBR
Biology	1	9-12	N	BIO
Honors Biology	1	9-12	N	BIO
AP Biology	1	11-12	N	BIO
Botany	1	10-12	N	SCBR
Chemistry	1	10-12	N	CHEM
Honors Chemistry	1	10-12	N	CHEM
AP Chemistry	1	11-12	N	CHEM
Environmental Science 1	½	11-12	N	SCBR
Environmental Science 2	½	11-12	N	SCBR
Environmental Sustainability	1	11-12	N	SCBR
AP Environmental Science	1	11-12	N	SCBR
Physics	1	11-12	N	PHX
AP Physics 1	1	11-12	N	PHX
AP Physics 2	1	11-12	N	PHX

AP Physics C Mechanics	1	11-12	N	PHX
AP Physics C Electricity and Magnetism	1	12	N	PHX
Physical Science	1	9-11	N	SCBR
Zoology	½	11-12	N	SCBR
Social Studies				
World Geography	½	9	N	SWG
Modern World History	½	10	N	SMH
Honors Modern World History	½	10	N	SMH
Accelerated United States History 10	½	10	N	SSE
Current World Affairs	½	10-12	N	SSE
US History	1	11	N	SSH
AP US History	1	11	N	SSH
US Government	½	12	N	SSG
US Government (BCC)	½	12	Y	SSG
AP US Government	½	12	N	SSG
Comparative World Religions	½	11-12	N	SSE
Economics	½	11-12	N	SSE
Intro to Psychology	½	11-12	N	SSE
Intro to Sociology	½	11-12	N	SSE
Popular Culture in Recent American History (1950-2000)	½	12	N	SSE
Theatre, Speech and Debate				
Competitive Speech and Acting	½	9-12	N	FA /SPEECH
Debate 1	½	9-12	N	SPEECH
Advanced Debate	½	10-12	N	SPEECH
Speech 1	½	9-12	N	SPEECH
Dual Credit Speech (BCC)	½	11-12	Y	SPEECH
Theatre 1	1	9-12	N	FA

Theatre 2	1	10-12	N	FA
Advanced Acting	1	11-12	N	FA
Theatre Technology	1	10-12	N	FA
World Languages				
French 1	1	9-12	N	FL
French 2	1	10-12	N	FL
French 3	1	10-12	N	FL
French 4	1	11-12	N	FL
Spanish 1	1	9-12	N	FL
Spanish 2	1	9-12	N	FL
Spanish 3	1	10-12	N	FL
Spanish 4	1	11-12	N	FL
Spanish 5	1	12	N	FL
Special Education				
Gifted Independent Study	1	9-12	N	ZEL
Pre-Algebra	1	9-11	N	AMTH
Algebra	1	9-12	N	AMTH
Math 1	1	9	N	MTH
Math 2	1	10	N	MTH
Math 3	1	11	N	MTH
Math 4	1	12	N	MTH
Biology in Context	1	9-11	N	SCI
English 1	1	9	N	ENG1
English 2	1	10	N	ENG2
English 3	1	11	N	ENG3
English 4	1	12	N	ENG4

Resource Lab	1	9-12	N	ZEL
Resource Lab Vocational	1	9-12	N	ZEL
Speech 1	½	12	N	SPEECH
US Government	½	12	N	SSG
US History	1	11	N	SSH
Modern World History	½	10	N	SSH
World Geography	½	9	N	SWG
College Release, Study Skills and Seminar/Advisory				
College Release	½	11-12	N	ZEL
Study Skills	½	9-12	N	ZEL
Seminar/Advisory	¼	9-12	N	ZEL
Consortium				
Counselor Aide	½	11-12	N	ZEL
Media Aide	½	10-12	N	ZEL
Office Aide	½	11-12	N	ZEL
Teacher Aide/Tutor	½	11-12	N	ZEL
Math Peer Tutor	½	11-12	N	ZEL
Community Service	½	11-12	N	ZEL
Workplace Experience	½	11-12	N	ZEL
Student Council - Leadership Communication	1	9-12	N	ZEL
Teen Leadership	½	9-12	N	ZEL
Driver Education (summer only)	½	9-12	N	ZEL

Course Descriptions

CAPS STRANDS

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Business Communications			•	•	0.5						✓				✓
Human Services Career Exploration			•	•	1.0						✓				✓
CAPS Business A and B			•	•	1.5						✓				✓
CAPS Business C and D			•	•	1.5	✓					✓				✓
CAPS Business E and F				•	1.5	✓					✓				✓
CAPS Business G and H				•	1.5	✓					✓				✓
CAPS Engineering A and B			•	•	1.5						✓				✓
CAPS Engineering C and D			•	•	1.5	✓					✓				✓
CAPS Engineering E and F				•	1.5	✓					✓				✓
CAPS Engineering G and H				•	1.5	✓					✓				✓
Intro to Health Care			•	•	0.5										✓
CPR/AED/First Aid			•	•	0.5						✓				✓
Medical Terminology			•	•	0.5	✓					✓				✓
Medical Interventions			•	•	1.0	✓					✓				✓
Health Care Research and Clinical Skills A			•	•	0.5	✓									✓
CAPS Healthcare Work Experience III				•	1.0	✓					✓				✓
CAPS Healthcare Work Experience IVA				•	0.5	✓					✓				✓
CAPS Healthcare Work Experience IVB				•	1.5	✓					✓				✓

CAPS Create Strand

Courses are offered every semester. Students enrolling for the **first** time in CAPS Create regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

Business Communications

Credit: ½ STEM Elective

Human Services Career Exploration

Credit: 1 STEM Elective
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.

CAPS Business & Entrepreneurship Strand

Courses are offered every semester. Students enrolling for the **first** time in CAPS Business, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Business A

Credit: 1 STEM Elective

CAPS Business B

Credit: ½ STEM Elective
Grades: 11-12
Homework: Varies by career strand
Prerequisite: None
Note: Student MUST enroll in both Business A and B in the same semester

These courses are for students who are interested in careers in business; including accounting, entrepreneurship, finance, marketing and other fields. Business students will learn about leadership and management models, perform business and industry analysis projects, and develop proficiency in relevant software applications. Following our professional skills bootcamp, our students will focus on developing career-relevant hard skills, exploring careers via job

shadows, working on passion or client projects, and completing training tasks to increase their knowledge of important business concepts.

Courses are offered every semester. Students enrolling for the **second** time in CAPS Business, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Business C

Credit: 1 STEM Elective

CAPS Business D

Credit: ½ STEM Elective
Grades: 11-12
Homework: Varies by career strand
Prerequisite: CAPS Business A and B
Note: Student MUST enroll in both Business C and D in the same semester
Returning students will continue their development with their career field(s) of interest by completing additional client projects within different aspects of the business world, and demonstrating their knowledge through strand projects and lessons. CAPS C and D students will have the ability to earn internships with our business partners or companies within their own network.

Courses are offered every semester. Students enrolling for the **third** time into the CAPS Business Strand, regardless of Fall or Spring, will enroll in the following 2 Courses totaling 1.5 credits.

CAPS Business E

Credit: 1 STEM Elective

CAPS Business F

Credit: ½ STEM Elective
Grades: 12
Homework: Varies by career strand
Prerequisite: CAPS C and D
Note: Student MUST enroll in both Business E and F in the same semester
Returning students build and expand upon opportunities and learning from CAPS A/B/C/D. Young professionals are responsible for setting the direction of their professional growth via client projects, passion projects, internships, job experiences, and business training tasks. Past CAPS E and F students have created non-profit projects spanning the semester, worked in internships throughout the semester, or pursued their entrepreneurial pursuits while being based out of the CAPS building. The course is individually tailored to each student.

Courses are offered every semester. Students enrolling for the **fourth** time into the CAPS Business Strand, regardless of Fall or Spring, will enroll in the following 2 Courses totaling 1.5 credits.

CAPS Business G

Credit: 1 STEM Elective

CAPS Business H

Credit: ½ STEM Elective
Grades: 12
Homework: Varies by career strand
Prerequisite: CAPS E and F
Note: Student MUST enroll in both Business G and H in the same semester
Returning students will continue their development with their career field(s) of interest by completing additional client projects within different aspects of the business world, and demonstrating their knowledge through strand projects and lessons. CAPS G and H students will have the ability to earn internships with our business partners or companies within their own network.

CAPS Engineering Strand

Courses are offered every semester. Students enrolling for the **first** time in CAPS Engineering, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Engineering A

Credit: 1 STEM Elective

CAPS Engineering B

Credit: ½ STEM Elective
Grades: 11-12
Homework: Varies by career strand
Prerequisite: None
Note: Student MUST enroll in both Engineering A and B in the same semester
These courses are for students who are interested in careers in Engineering, Robotics, Manufacturing, Architecture, Construction, Aviation, Software Development and other related fields. Students will use a combination of science, design fundamentals, and fabrication techniques to create solutions to real-world problems. Following the professional skills bootcamp, students will have the opportunity to engage in a variety of learning modules, client projects, individual projects, and shadowing opportunities. The CAPS engineering lab is equipped with a wide variety of design software and a full fabrication lab as well as access to equipment

at many of our business partner locations. Experiences will be tailored to individual student interests.

Courses are offered every semester. Students enrolling for the **second** time in CAPS Engineering, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Engineering C

Credit: 1 STEM Elective

CAPS Engineering D

Credit: ½ STEM Elective
Grades: 11-12
Homework: Varies by career strand
Prerequisite: Engineering A and B
Note: Student MUST enroll in both Engineering C and D in the same semester
These courses allow students to build on their experiences in CAPS Engineering A and B. Students can continue to work on learning modules, client projects, individual projects, and shadowing opportunities, or they may pursue internship opportunities as they become available.

Courses are offered every semester. Students enrolling for the **third** time in CAPS Engineering, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Engineering E

Credit: 1 STEM Elective

CAPS Engineering F

Credit: ½ STEM Elective
Grade: 12
Homework: Varies by career strand
Prerequisite: Engineering C and D
Note: Student MUST enroll in both Engineering E and F in the same semester
These courses allow students to build on their experiences in CAPS Engineering C and D. Students can continue to work on learning modules, client projects, individual projects, and shadowing opportunities, or they may pursue internship opportunities as they become available.
Note: Student MUST enroll in both Engineering E and F in the same semester

Courses are offered every semester. Students enrolling for the **fourth** time in CAPS Engineering, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Engineering G

Credit: 1 STEM Elective

CAPS Engineering H

Credit: ½ STEM Elective
Grade: 12
Homework: Varies by career strand
Prerequisite: Engineering E and F
Note: Student MUST enroll in both Engineering G and H in the same semester
These courses allow students to build on their experiences in CAPS Engineering E and F. Students can continue to work on learning modules, client projects, individual projects, and shadowing opportunities, or they may pursue internship opportunities as they become available.

CAPS Medical Strand

Courses are offered every semester. Students enrolling for the **first** time in CAPS Medical, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

Intro to Health Care

Credit: ½

CPR/AED/First Aid

Credit: ½

Medical Terminology

Credit: ½ STEM Elective
Grades: 11-12
Homework: Varies by career strand
Prerequisite: None
These courses are for students who are interested in careers in healthcare, physicians, physical therapy, dental, nursing, veterinary, and other related fields. Students will learn a combination of medical terms, CPR/AED/First Aid, and an intro to healthcare by exploring topics such as HIPAA, Infections, Bloodborne Pathogens, patient assessments, vital signs, mental health, cardiac and injections to name a few. Following the professional skills bootcamp, students will have the opportunity to engage in a variety of learning scenarios, site visits, individual projects and meet medical professionals from around our area as guest speakers. The CAPS

medical lab is equipped with a wide variety of medical equipment and a Nurse Anne Laerdal Simulator, our simulation dog, Rocket, and the Anatomage Table. Experiences will be tailored to individual students' interests.

Courses are offered every semester. Students enrolling for the **second** time in CAPS Medical, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

Medical Interventions

Credit: 1 STEM Elective

Health Care Research and Clinical Skills A

Credit: ½ STEM Elective
Grades: 11-12
Homework: Varies by career strand
Prerequisite: Medical Strand semester 1 classes
These courses are for second time students who wish to continue their pursuit in exploring health careers in the medical field. Students will continue to build upon previously learned professional skills and have the opportunity for more job shadows and professional experiences. Study opportunities provide use of the CAPS medical labs with the same amenities offered in Med 1. Students will focus on more complex skills such as urinary catheterization, tracheostomy care, labor/delivery simulation, suture techniques, and other skills tailored to student interests. Students will research to analyze findings in specific interests and begin to formulate explanations of evidence by writing beginner level research papers in preparation for college courses.

Courses are offered every semester. Students enrolling for the **third** time in CAPS Medical, regardless of Fall or Spring, will enroll in the following courses totaling 1.5 credits.

CAPS Healthcare Work Experience III

Credit: 1 STEM Elective

CAPS Healthcare Work Experience IVA

Credit: ½ STEM Elective
Grade: 12
Homework: Varies by career strand
Prerequisite: Health Care Strand semesters 1 and 2
Students can continue to work on learning modules in new areas of interest within their chosen career field, individual projects, pursue research opportunities, expand on job shadowing sites, or they may also pursue internships as they become available.

Courses are offered every semester. Students enrolling for the **fourth** time in CAPS Medical, regardless of Fall or Spring, will enroll in the following courses totaling 2 credits.

CAPS Healthcare Work Experience IVB

Credit: 1½ STEM Elective
Grade: 12
Homework: Varies by career strand
Prerequisite: Medical Strand semesters 1, 2 and 3
This course allows students to build on their experiences in CAPS Med 1, 2 and 3. Students can continue to work on learning modules, individual projects, and shadowing opportunities, or they may pursue internship opportunities as they become available.

APPLIED TECHNOLOGIES

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Auto Technology 1	•	•	•	•	1.0	✓					✓				✓
Auto Technology 2		•	•	•	2.0	✓					✓				✓
Furniture and Cabinetry Fabrication			•	•	1.0	✓					✓				✓
Geometry with Applied Construction		•			1.0					✓					✓
Introduction to Transportation Info	•	•	•	•	0.5										✓
Introduction to Welding	•	•	•	•	0.5										✓
Intro to Woods Technology	•	•	•	•	0.5										✓
Metals Technology 1	•	•	•	•	1.0	✓					✓				✓
Metals Technology 2		•	•	•	1.0	✓					✓				✓
Woodworking Principles		•	•	•	1.0	✓					✓				✓

Applied Technologies

Auto Technology 1

STEM Elective

Credit: 1
Grades: 9-12
Homework: 1 hour/week
Prerequisite: Introduction to Transportation Information
Introduction to Transportation 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

STEM Elective

Credits: 2
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Automotive Technology 1
Introduction to Transportation 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 completely mastered the basic automotive procedures covered in Auto Tech. 1; 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.**

Furniture and Cabinetry Fabrication

STEM Elective

Credit: 1
Grades: 11-12
Homework: 1 hour/week
Prerequisite: 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 paperwork done within the first week or a project will be given by the Instructor. Students in this course will also be involved 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.**

APPLIED TECHNOLOGIES

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 applications 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: ½
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: ½
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.**

Introduction to Woods Technology

Credit: ½
Grades: 9-12
Homework: 1-2 hours/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 opportunities for students to apply content. **There is a fee for this class.**

Metals Technology 1

STEM Elective

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

STEM Elective

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 an 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

STEM Elective

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 paperwork 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.**

ART

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Intro to Art	•	•	•	•	0.5							✓			✓
Ceramics 1	•	•	•	•	0.5	✓						✓			✓
Ceramics 2		•	•	•	0.5	✓						✓			✓
Ceramics 3		•	•	•	0.5	✓						✓			✓
Drawing 1	•	•	•	•	0.5	✓						✓			✓
Drawing 2		•	•	•	0.5	✓						✓			✓
Drawing 3		•	•	•	0.5	✓						✓			✓
Painting 1	•	•	•	•	0.5	✓						✓			✓
Painting 2		•	•	•	0.5	✓						✓			✓
Painting 3		•	•	•	0.5	✓						✓			✓
Sculpture 1	•	•	•	•	0.5	✓						✓			✓
Sculpture 2		•	•	•	0.5	✓						✓			✓
Sculpture 3		•	•	•	0.5	✓						✓			✓
Studio Art		•	•	•	0.5	✓						✓			✓

Art

Introduction to Art

Credit: ½
Grades: 9-12
Homework: 1 hour/week
Prerequisite: None
This course introduces students to the theories, elements, and principles of art. Students are exposed to a variety of art mediums as well as art movements and artists. Students can display content knowledge through a variety of methods, such as but not limited to, works of art, written assignments, portfolios, and quizzes/tests.

Ceramics 1

Credit: ½
Grades: 9-12
Homework: 1 hour/week
Prerequisite: Introduction to Art
Students will be introduced to the art of clay with the basic building methods of pinch, coil and slab construction through a variety of projects. Historical and current trends in the development of pottery will be used in support of the in-class work. **There is a fee for this class.**

Ceramics 2

Credit: ½
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Ceramics 1
Students will further explore and refine their hand-building skills through new processes and extended projects. Surface design and treatments will be introduced. High-fire glazing will be explored. **There is a fee for this class.**

Ceramics 3

Credit: ½
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Ceramics 2
Students will further explore personalized projects utilizing previously learned building and decorating techniques. The pottery wheel can be introduced as space, materials, cost and enrollment numbers are considered. **There is a fee for this class.**

ART

Drawing 1

Credit: ½
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: ½
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: ½
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: ½
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: ½
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: ½
Grades: 10-12
Homework: 1 hour/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: ½
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: ½
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: ½
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.**

Studio Art

Credit: 1
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

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Accounting 1		•	•	•	0.5	✓					✓				✓
Banking and Finance			•	•	0.5						✓				✓
Business Essentials	•	•	•	•	0.5										✓
Business Law		•	•	•	0.5										✓
Computerized Accounting 2			•	•	1.0	✓					✓				✓
Investing			•	•	0.5						✓				✓
Sports and Entertainment Marketing		•	•	•	0.5										✓
Youth Entrepreneurs		•	•	•	1.0						✓				✓
Advanced Placement (AP) Computer Science A		•	•	•	1.0	✓	✓				✓				✓
Advanced Programming 1			•	•	0.5	✓					✓				✓
Advanced Programming 2			•	•	0.5	✓					✓				✓
Computer Applications	•	•	•	•	0.5									✓	✓
Advanced Computer Applications	•	•	•	•	0.5	✓					✓				✓
C++ Programming 1		•	•	•	0.5	✓					✓				✓
C++ Programming 2		•	•	•	0.5	✓					✓				✓
Graphic Design and Publishing	•	•	•	•	0.5	✓					✓				✓
Tech Support			•	•	0.5	✓									✓
VB Programming 1	•	•	•	•	0.5	✓					✓				✓
VB Programming 2	•	•	•	•	0.5	✓					✓				✓
Video Game Programming			•	•	0.5	✓					✓				✓
Web Design	•	•	•	•	0.5	✓					✓				✓
Web Graphics and Animation		•	•	•	0.5	✓					✓				✓

Business and Computer Studies

Accounting 1

Credit: ½ STEM Elective
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: ½ STEM Elective
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 AND COMPUTER STUDIES

Banking and Finance

STEM Elective

Credit: ½
Grades: 11-12
Homework: As needed
Prerequisite: None

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 look at different types of investments so you can become educated in building assets for your future.

Business Essentials

Credit: ½
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 the 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.

Business Law

Credit: ½
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 Sedgwick County Courthouse.

Investing

STEM Elective

Credit: ½
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.

Sports and Entertainment Marketing

Credit: ½
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.

Youth Entrepreneurs

STEM Elective

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.

BUSINESS AND COMPUTER STUDIES

Advanced Placement Computer Science A

STEM Elective

Credit: 1
Grades: 10-12
Homework: 2 hours/week
Prerequisite: One year of Visual Basic (2 semesters) and recommend C++ 1 and 2

AP Computer Science A introduces students to computer science through programming. Fundamental topics in this course include the design of solutions to problems, the use of data structures to organize large sets of data, the development and implementation of algorithms to process data and discover new information, the analysis of potential solutions, and the ethical and social implications of computing systems. The course emphasizes object-oriented programming and design using the Java programming language. **This class is on a 5.0 weighted grading scale.**

Advanced Programming 1

STEM Elective

Credit: ½
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 set up as an independent study.

Advanced Programming 1

STEM Elective

Credit: ½
Grades: 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 set up as an independent study.

Computer Applications

Credit: ½
Grades: 9-12
Homework: As needed
Prerequisite: None

Students will acquire digital literacy skills essential for success in high school, post-secondary, and today's workforce. Emphasis will be on formatting documents and word processing, spreadsheets, and presentation software. The importance and relevance of merging these platforms will be emphasized through the completion of projects. Internet research and electronic communication skills, as well as the ethics related to these skills, will be explored. Computer security, threats, and maintenance will also be discussed.

Advanced Computer Applications

STEM Elective

Credit: ½
Grades: 9-12
Homework: As needed
Prerequisite: None

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.

C++ Programming 1

STEM Elective

Credit: ½
Grades: 10-12
Homework: 2-3 hours/week
Prerequisite: VB Programming 2 or equivalent with instructor approval

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

C++ Programming 2

STEM Elective

Credit: ½
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.

Graphic Design and Publishing

STEM Elective

Credit: ½
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.

BUSINESS AND COMPUTER STUDIES

Tech Support

Credit: ½
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.

VB Programming 1

Credit: ½ STEM Elective
Grades: 9-12
Homework: 1-2 hours/week
Prerequisite: Completed Algebra 1 with a "C" or higher
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: ½ STEM Elective
Grades: 9-12
Homework: 1-2 hours/week
Prerequisite: "C" or better in VB Programming 1
This course continues the study of the VISUAL BASIC programming language.

Video Game Programming

Credit: ½ STEM Elective
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.

Web Design

Credit: ½ STEM Elective
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: ½ STEM Elective
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 Animate CC will be used to create custom-designed animated images. Various animation techniques will be used to portray a message or story. Importing sound and video as well as publishing Animate CC movies will be studied.

DRAFTING

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Architectural Design			•	•	1.0	✓									✓
Computer-Aided Drafting and Design (CADD)		•	•	•	1.0	✓					✓				✓
Housing and Interior Design		•	•	•	0.5						✓				✓
Mechanical Drafting	•	•	•	•	0.5										✓

Drafting

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.

Computer-Aided Drafting and Design (CADD)

STEM Elective

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.

Housing and Interior Design

STEM Elective

Credit: ½
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.

Mechanical Drafting

Credit: ½
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.

FAMILY & CONSUMER SCIENCE

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Apparel and Textiles 1	•	•	•	•	1.0										✓
Apparel and Textiles 2		•	•	•	1.0	✓					✓				✓
Baking and Pastry	•	•	•	•	0.5	✓					✓				✓
Career and Life Planning	•	•	•	•	0.5										✓
Career Connections			•	•	0.5						✓				✓
Community Connections			•	•	0.5						✓				✓
Culinary Arts 1		•	•	•	1.0						✓				✓
Culinary Essentials	•	•	•	•	0.5						✓				✓
Culinary Applications		•	•	•	1.0	✓					✓				✓
Essentials of Interior and Textile Design			•	•	0.5						✓				✓
Family Studies			•	•	0.5						✓				✓
Financial Literacy			•	•	0.5								✓		✓
Human Growth and Development		•	•	•	0.5						✓				✓

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

STEM Elective

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.

Baking & Pastry 1

STEM Elective

Credit: ½
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 the 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 and Life Planning

Credit: ½
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 ensure 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.

Career Connections

Credit: ½
Grades: 11-12
Homework: None
Prerequisite: None

STEM Elective

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: ½
Grades: 11-12
Homework: None
Prerequisite: None

STEM Elective

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.

Culinary Essentials

Credit: ½
Grades: 9-12
Homework: 1 hour/week
Prerequisite: None

STEM Elective

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, meal planning, and presentation.

Culinary Arts 1

Credit: 1
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Culinary Essentials

STEM Elective

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 of 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.

Culinary Applications

Credit: 1
Grades: 11-12
Homework: 1 hour/week
Prerequisite: Culinary Arts 1

STEM Elective

Culinary Applications is an application-level course in the Culinary Arts strand of the Restaurant & Events Management pathway. The course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based or community-based experience or work-based internship and will cover an introduction to all aspects of an industry. Students enrolled in this course are expected to have mastered skills in the culinary field so that they can apply them in authentic experiences following industry standards and regulations.

Essentials of Interior and Textile Design

Credit: ½
Grades: 11-12
Homework: As needed
Prerequisite: None

STEM Elective

Essentials of Interior and Textile Design introduces students to and expands upon the various aspects of the 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.

Family Studies

Credit: ½
Grades: 11-12
Homework: 1 hour/week
Prerequisite: None

STEM Elective

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; the 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.

Financial Literacy

Credit: ½
Grades: 11-12
Homework: As needed
Prerequisite: None
Financial literacy course provides students with an understanding of the concepts, principles and skills involved in making and applying sound financial decisions. This course emphasizes earning income, spending, saving, investing, managing credit and managing risk. **This course is required for graduation.**

Human Growth and Development

STEM Elective

Credit: ½
Grades: 10-12
Homework: 1 hour/week
Prerequisite: None
Human Growth and Development provides students with knowledge about the physical, intellectual, emotional, and social growth (PIES) and development of children. Course content will provide an overview of life stages from prenatal and birth processes and fundamentals of children's milestone development during the early years.

JOURNALISM

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Photojournalism	•	•	•	•	1.0						✓	✓			✓
Advanced Photojournalism	•	•	•	•	0.5	✓					✓	✓			✓
Broadcast Journalism		•	•	•	1.0	✓					✓	✓			✓
Digital Media Technology	•	•	•	•	0.5						✓				✓
Digital Media Design and Production		•	•	•	1.0						✓				✓
News Publication		•	•	•	1.0						✓				✓
School Publications		•	•	•	1.0						✓				✓
21st Century Journalism	•	•	•	•	0.5						✓				✓

Journalism

Photojournalism

STEM Elective

Credit: ½
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. 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

STEM Elective

Credit: ½
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.**

Broadcast Journalism

STEM Elective

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 Technology

STEM Elective

Credit: ½
Grades: 9-12
Homework: As needed
Prerequisite: None

Digital Media Technology is a staff-level production class for students interested in all aspects of print and electronic publication and design. This includes video production and animation, printed materials, advertising, and web applications. Students gain knowledge in Adobe software (Photoshop, InDesign, Illustrator, Premiere, Aftereffects) while being put in charge of a variety of small publications from sports/theatre programs to maintaining news websites and creating weekly announcements. Students will prepare jobs to be outsourced. The class is a technical/production counterpoint to the more journalistic publications produced.

JOURNALISM

Digital Media Design and Production (Yearbook)

STEM Elective

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)

STEM Elective

Credit: 1
Grades: 10-12
Homework: Must be able to attend production nights
Prerequisite: Journalism or Photojournalism or 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.

School Publications

STEM Elective

Credit: ½
Grades: 10-12
Homework: Must be able to work after school as needed
Prerequisite: Teacher approval needed (Journalism or 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.

21st Century Journalism

STEM Elective

Credit: ½
Grades: 9-12
Homework: 2 hours/week
Prerequisite: None

This class focuses on news, features, 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 is recommended for anyone interested in applying for the 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.

LANGUAGE ARTS

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
English 1	•				1.0	✓		✓	✓						
Honors English 1	•				1.0	✓	✓	✓	✓						
English 2		•			1.0	✓		✓	✓						
Honors English 2		•			1.0	✓	✓	✓	✓						
English 3			•		1.0	✓		✓	✓						
English 4				•	1.0	✓		✓	✓						
Applied English 4				•	1.0	✓		✓	✓						
AP Language and Composition			•		1.0	✓	✓	✓	✓						
AP Literature and Composition				•	1.0	✓	✓	✓	✓						
English Composition 1 (BCC)				•	0.5	✓		✓	✓						
English Composition 2 (BCC)				•	0.5	✓		✓	✓						
British Literature 2 (BCC)				•	0.5	✓		✓	✓						
English and Reading Support	•	•	•	•	0.5										✓
English as a 2nd Language	•	•	•	•	0.5										✓

Language Arts

English 1

Credit: 1 ✓NCAA
Grade: 9
Homework: 2-3 hours/week
Prerequisite: 8th Grade English

The study of language includes the 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 ✓NCAA
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 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 ✓NCAA
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, short stories and novels. 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.

LANGUAGE ARTS

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.

English 4

Credit: 1
Grade: 12
Homework: 2-3 hours/week
Prerequisite: English 3 or AP Language and Composition

The study of language includes the 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

Applied English 4

Credit: 1
Grade: 12
Homework: 2-3 hours/week
Prerequisite: English 3

This course is recommended for students transitioning to the workforce rather than a university setting. The intention of Applied English 4 is to familiarize students with a variety of activities that relate to everyday living and the world of work. This course will help prepare students to be functional in business and vocational areas. It is designed to emphasize proper grammar and mechanical skills, as well as to improve literature, vocabulary, speaking, listening, and writing skills. Students will work on developing practical skills related to reading, writing, and oral expression in a smaller, slower-paced setting. A variety of fiction and nonfiction literature will encompass a range of reading levels. Writing skills and assignments will focus on practical and real-world applications.

Advanced Placement (AP) Language and Composition

Credit: 1
Grades: 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.**

LANGUAGE ARTS

Advanced Placement (AP) Literature and Composition

Credit : 1 ✓NCAA
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: ½ (earns 3 college hours) ✓NCAA
Grade: 12
Homework: 4-5 hours/week
Prerequisite: An average "C" or better in high school English and a 3.0+ 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 textbooks.**

English Composition 2 (Butler Community College)

Credit: ½ (earns 3 college hours) ✓NCAA
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 textbooks.**

British Literature 2 (Butler Community College)

Credit: ½ (earns 3 college hours) ✓NCAA
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 textbooks. It will be taught by an AHS/ACHS teacher but will follow the BCC course syllabus for English Composition 2. 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 textbooks.**

English and Reading Support

Credit: ½
Grades: 9-12
Homework: 1 hour/week
Prerequisite: N/A
This course is designed for students who need additional instructional support in reading and English Language Arts as identified by FastBridge scores, state assessments and/or teacher recommendation. Students will receive additional instruction based on their individual needs. Recommendations for this course are based on the student's need for additional instructional support in reading rather than behavior or lack of effort.

English as a Second Language

Credit: ½
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

LANGUAGE ARTS

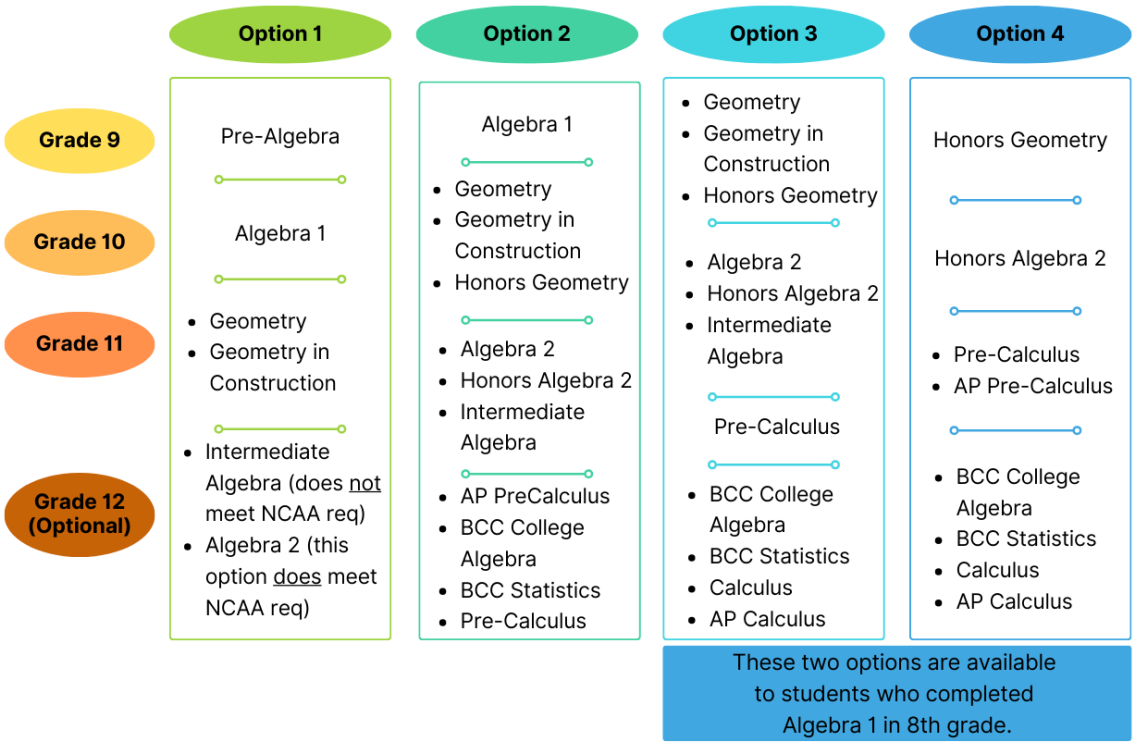
English Language Learner program will work with the student in general areas of listening, speaking, reading and writing. We will work in detailed areas of pronunciation, dialogue, common English expressions, vocabulary, spelling, English grammar rules, and reading and writing proficiency. High School 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 students exiting the ELL program.

MATHEMATICS

Mathematics

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirements						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Pre-Algebra	•	•	•	•	1.0	✓				✓					
Algebra 1	•	•	•	•	1.0	✓		✓		✓					
Geometry	•	•	•	•	1.0	✓		✓		✓					
Honors Geometry	•	•	•	•	1.0	✓	✓	✓		✓					
Geometry with Applied Construction	•	•	•	•	1.0	✓		✓		✓					
Algebra 2		•	•	•	1.0	✓		✓		✓					
Honors Algebra 2		•	•	•	1.0	✓	✓	✓		✓					
Intermediate Algebra			•	•	1.0	✓				✓					
Math Support	•	•	•	•	1.0	✓									✓
Pre-Calculus			•	•	1.0	✓		✓		✓	✓				
AP Pre-Calculus			•	•	1.0	✓	✓	✓		✓	✓				
AP Calculus				•	1.0	✓	✓	✓		✓	✓				
Applied Statistics (BCC)			•	•	0.5	✓		✓		✓	✓				
College Algebra (BCC)			•	•	0.5	✓		✓		✓	✓				

Math Class Progression Options



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 calculator.

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 ✓NCAA
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 the 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. The Kansas Standards of number and computation, geometry and data are reinforced throughout the curriculum.
This course does meet the Qualified Admissions requirements for math if taken at the high school level.

Geometry

Credit: 1 ✓NCAA
Grades: 9-12
Homework: 2-3 hours/week
Prerequisite: 8th grade Accelerated Math or Algebra 1 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 to 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 ✓NCAA
Homework: 4-5 hours/week
Prerequisite: 8th grade Accelerated Math or Algebra 1 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.**
Credit: 1

Geometry with Applied Construction

Grades: 9-12
Homework: As needed ✓NCAA
Prerequisite: Algebra 1
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 applications 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 Honors Geometry or equivalent
Materials: Ruler, graph paper and graphing calculator
This course builds on the 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 the 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 a more in-depth study of the curriculum. Students should carefully consider the extra time needed for this more challenging course.**

Intermediate Algebra

Credit: 1
Grades: 11-12
Homework: 4-5 hours/week
Prerequisite: Geometry
Materials: Graph paper and graphing calculator
This course builds on the 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. **This course does <u>not</u> meet NCAA Division 1 or Division 2 eligibility requirements for math.**

Math Support

Credit: 1
Grades: 9-12
Homework: N/A
Prerequisite: Concurrent enrollment in Algebra 1, Geometry or Algebra 2 and/or Teacher recommendation
This course will cover the same standards as the student's core math class. Class size will be limited to 10-15 students. Students will be placed in Math Support based on grades, test scores and/or teacher recommendations. 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.**

Applied Statistics (Butler Community College)

Credit: ½
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

MATHEMATICS

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: ½
Grades: 11-12
Homework: 40-45 minutes/day

NCAA
STEM Elective

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 is 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

Credit: 1
Grades: 11-12
Homework: 45-60 Minutes/day

NCAA
STEM Elective

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.**

AP Pre-Calculus

Credit: 1
Grades: 11-12
Homework: 45-60 Minutes/day

NCAA
STEM Elective

AP Pre-Calculus centers on functions modeling dynamic phenomena. This exploration of functions is designed to better prepare students for college-level calculus and provide grounding for other mathematics and science courses. In this course, students study a broad spectrum of function types that are foundational for careers in mathematics, physics, biology, health science, business, social science, and data science. AP Pre-Calculus fosters the development of a deep conceptual understanding of functions. Students understand functions and their graphs as embodying dynamic covariation of quantities, a key idea in preparing for calculus. With each function type, students develop and validate function models based on the characteristics of a bivariate data set, characteristics of covarying quantities and their relative rates of change, or a set of characteristics such as zeros, asymptotes, and extrema. These models are used to interpolate, extrapolate, and interpret information with different degrees of accuracy for a given context or data set. Students develop a conceptual understanding not only of specific function types but also of functions in general. **NOTE: This class is on a 5.0 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.**

AP Calculus

Credit: 1
Grade: 12
Homework: 60-75 Minutes/day

STEM Elective
NCAA

Prerequisite: Pre-Calculus or AP Pre-Calculu
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 requirements for math. This course is on a weighted 5.0 grading scale.**

MATHEMATICS

College Algebra (Butler Community College)

Credit: 1
Grades: 11-12
Homework: 60-75 minutes/day

Prerequisite: PDM & 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.**

MUSIC

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Band	•	•	•	•	1.0							✓			✓
Jazz Ensemble	•	•	•	•	1.0	✓						✓			✓
Concert Orchestra	•	•	•	•	1.0	✓						✓			✓
Chorale		•	•	•	1.0	✓						✓			✓
Concert Choir	•	•	•	•	1.0							✓			✓
Musical Theatre		•	•	•	1.0	✓						✓			✓
Singers (Madrigals)		•	•	•	1.0	✓						✓			✓
Treble Ensemble		•	•	•	1.0	✓						✓			✓
Show Choir		•	•	•	1.0	✓						✓			✓
Music Theory and Appreciation			•	•	1.0	✓						✓			✓

Music

Band

Credit: 1
Grades: 9-12
Homework: 2 hours/week
Prerequisite: None
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, and symphonic and concert band concert series. The instrumental curriculum is designed to build upon fundamental training while expanding the performance opportunities for 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 may be necessary. Student obligations may include marching band shoes, black socks, band T-shirts, and gloves. There is an annual uniform cleaning fee.**

Jazz Ensemble

Credit: 1
Grades: 9-12
Homework: 1½ 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 the 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.

Concert Orchestra

Credit: 1
Grades: 9-12
Homework: 1½ hours/week
Prerequisite: 1 year of orchestra or Director's approval
Students are eligible to enroll in Concert Orchestra after successfully completing one year of instruction, which includes proficiency in note reading, posture, and basic skills; or with director approval. This string orchestra meets every day and performs in several evening concerts. Attendance at all concerts and contests is required. Private home practice is expected. A handbook with specific information will be sent home for review and signatures of students and parents. Orchestra is a year-long course. **There is a fee for this class.**

Chorale

Credit: 1
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Competitive audition held in the Spring
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.**

Concert Choir

Credit: 1
Grades: 9-12
Homework: 1 hour/week
Prerequisite: None (7th/8th grade 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, and 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.**

Music Theatre

Credit: 1
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Theatre and Choir; Competitive audition held in the Spring
This interdisciplinary, performance and project-based class will offer a varied and in-depth musical theatre experience. Students will gain exposure and experience in a collaborative process of producing a musical theater production including design, publicity, singing, choreography, acting, directing, and rehearsal planning. **Placement is by audition.**

Singers — ACHS: Singers / AHS: Madrigals

Credit: 1
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Competitive audition held in the Spring
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.**

Treble Ensemble

Credit: 1
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Competitive audition held in the Spring
This course is a full-year performance organization. Treble 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.**

Show Choir (AHS only)

Credit: 1
Grades: 10-12
Homework: 1 hour/week
Prerequisite: Competitive audition held in the Spring
This course is a full-year performance organization. Show Choir is an auditioned performance ensemble that focuses on combining song and dance. The class is performance-oriented and will focus on a mainstage, themed performance. An annual outfit fee will be charged. Shoes are the responsibility of the student. **An annual outfit fee will be charged. Shoes are the responsibility of the student.**

Music Theory and Appreciation

Credit: 1
Grades: 11-12
Homework: 1 hour/week
Prerequisite: Concurrent enrollment in band, orchestra 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.

PHYSICAL EDUCATION

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Aerobics		•	•	•	0.5	✓									✓
Advanced Physical Education		•	•	•	0.5	✓									✓
Foundations of Health		•			0.5								✓		
Foundations of Physical Education	•				0.5								✓		
Lifetime Fitness		•	•	•	0.5	✓									✓
Sports Medicine/Athletic Training		•	•	•	0.5	✓									✓
Weight Training	•	•	•	•	0.5										✓

Physical Education

Aerobics

Credit: ½
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.

Advanced Physical Education (may be repeated for credit)

Credit: ½
Grades: 10-12
Homework: 2 hours/ week
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.

Foundations of Health

Credit: ½
Grades: 10
Homework: 2 hours/ week
Prerequisite: None
Students 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.**

Foundations of Physical Education

Credit: ½
Grades: 9
Homework: 2 hours/ week
Prerequisite: None
This introductory course places an emphasis on developing knowledge, skills and a healthy attitude, enabling a lifetime pursuit of physical activity and fitness. **This course is required for graduation.**

Lifetime Fitness

Credit: ½
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.

PHYSICAL EDUCATION

Sports Medicine and Athletic Training

Credit: ½
Grades: 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 fields such as personal training, coaching or teaching physical education.

Weight Training (may be repeated for credit)

Credit: ½
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.

SCIENCE

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Anatomy and Physiology 1			•	•	0.5	✓		✓		✓	✓				
Anatomy and Physiology 2			•	•	0.5	✓		✓		✓	✓				
Biology	•	•	•	•	1.0	✓		✓		✓					
Honors Biology	•	•	•	•	1.0	✓	✓	✓		✓					
AP Biology			•	•	1.0	✓	✓	✓		✓	✓				
Botany		•	•	•	0.5	✓		✓		✓					
Chemistry		•	•	•	1.0	✓		✓		✓					
Honors Chemistry		•	•	•	1.0	✓	✓	✓		✓					
AP Chemistry			•	•	1.0	✓	✓	✓		✓	✓				
Environmental Science 1			•	•	0.5	✓		✓		✓	✓				
Environmental Science 2			•	•	0.5	✓		✓		✓	✓				
Environmental Sustainability			•	•	1.0	✓		✓		✓					
AP Environmental Science			•	•	1.0	✓	✓	✓		✓	✓				
Physics			•	•	1.0	✓		✓		✓	✓				
AP Physics 1			•	•	1.0	✓	✓	✓		✓	✓				
AP Physics 2			•	•	1.0	✓	✓	✓		✓	✓				
AP Physics C Mechanics			•	•	1.0	✓	✓	✓		✓	✓				
AP Physics C Electricity and Magnetism				•	1.0	✓	✓	✓		✓	✓				
Physical Science	•	•	•		1.0	✓		✓		✓					
Zoology			•	•	0.5	✓		✓		✓					

Science

Biology

Credit: 1
Grades: 9-12
Homework: 1-2 hours/week
Prerequisite: 8th grade Regular/Advanced Science or equivalent

✓NCAA

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

✓NCAA

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.**

Advanced Placement (AP) Biology

Credit: 1
Grades: 11-12
Homework: 2 hours/week
Prerequisite: Biology and Chemistry

✓NCAA
STEM Elective

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.**

Physical Science

Credit: 1
Grades: 9-11
Homework: 2 hours/week
Prerequisite: 8th grade Regular/Advanced Science or equivalent
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.

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, 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 Chemistry 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, thermo-dynamics, 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; rotational 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 needed 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.**

SCIENCE

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 needed 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 C Electricity and Magnetism

Credit: 1
Grades: 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.**

Advanced Placement (AP) Physics C Mechanics

Credit: 1
Grades: 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: ½
Grades: 11-12
Homework: 1-2 hours/week
Prerequisite: Two 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: ½
Grades: 11-12
Homework: 1-2 hours/week
Prerequisite: 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: ½
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 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. Environmental science is interdisciplinary; it embraces a wide variety of topics from different areas of study.

Environmental Science 2

Credit: ½
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

SCIENCE

Advanced Placement Environmental Science is a full-year course design 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 NCAA
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.

Botany

Credit: ½ NCAA
Grades: 10-12
Homework: 3 hours/week
Prerequisite: Biology or Honors Biology
Botany introduces students to plant kingdom topics that include structure, function, growth processes, reproduction, ecology, genetics and resources derived from the plant world. This course is designed for students who would like to pursue careers in landscaping, agriculture or other plans of study that include the plant kingdom.

Zoology

Credit: ½ NCAA
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

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
World Geography			•	•	0.5			✓				✓			
Modern World History			•	•	0.5			✓				✓			
Honors Modern World History	•	•	•	•	0.5			✓				✓			
Accelerated United States History 10	•	•	•	•	0.5		✓	✓				✓			
Current World Affairs			•	•	0.5			✓							✓
US History		•	•	•	1.0			✓				✓			
AP US History		•	•	•	1.0	✓	✓	✓				✓			
US Government		•	•	•	1.0			✓				✓			
US Government (BCC)			•	•	1.0	✓		✓				✓			
AP US Government			•	•	0.5		✓	✓				✓			
Comparative World Religions			•	•	0.5			✓							✓
Economics			•	•	1.0			✓				✓			
Intro to Psychology			•	•	1.0			✓							✓
Intro to Sociology			•	•	1.0			✓							✓
Popular Culture in Recent American History (1950-2000)			•	•	1.0	✓		✓							✓

Social Studies

World Geography

Credit: ½ ✓NCAA
Grade: 9
Homework: 1-3 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: ½ ✓NCAA
Grade: 10
Homework: 1-3 hours/week
Prerequisite: None
The course begins with the Renaissance and continues with the Protestant Reformation, the Age of Enlightenment, with 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 an 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: ½ ✓NCAA
Grade: 10
Homework: 1-3 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 an 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.**

SOCIAL STUDIES

Accelerated United States History 10

Credit: ½
Grade: 10
Homework: 1-3 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 is on a 5.0 weighted grading scale. Note: This class will only be offered in the spring.**

Current World Affairs

Credit: ½
Grades: 10-12
Homework: 1-3 hours/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: 1-3 hours/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.

Advanced Placement (AP) 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 that 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.**

United States Government

Credit: ½
Grade: 12
Homework: 1-3 hours/week
Prerequisite: None
This course is designed to introduce students to the basic concepts of 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.

Advanced Placement (AP) United States Government

Credit: ½
Grade: 12
Homework: 1-3 hours/week
Prerequisite: None
This course will provide students with 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, institutions 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: ½
Grade: 12
Homework: 1-3 hours/week
Prerequisite: 3.0+ 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 BCC teacher. **Students are required to pay both tuition and book costs at Butler Community College.**

Economics

Credit: ½
Grades: 11-12
Homework: 1-3 hours/week
Prerequisite: None
This course is designed to apply the concepts of economics to 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.

Introduction to Psychology

Credit: ½ ✓NCAA
Grades: 11-12
Homework: 1-3 hours/week
Prerequisite: None
This is a basic course in psychology. It will provide an introduction to the principles, problems, and methods of studying human behavior and mental processes. The different theories will be compared and contrasted.

Introduction to Sociology

Credit: ½ ✓NCAA
Grades: 11-12
Homework: 1-3 hours/week
Prerequisite: None
This course is a study of social interactions. Emphasis will be given to the relationship between culture and personality, attitude, communication and group processes.

Popular Culture in Recent American History (1950-2000)

Credit: ½ ✓NCAA
Grades: 12
Homework: 1-3 hours/week
Prerequisite: US History or AP US History
This course will examine how a national "popular" culture emerged in the 20th century and how this culture has transformed and evolved into the 21st century. Popular music, literature, stage, screen, radio, television, sports and advertising will be some of the technologies investigated to demonstrate how a national culture emerged, solidified, and even fragmented over the century. Students will explore the role of media in offering a window into the cultural tastes, preferences, and rebellions of the nation.

THEATRE, SPEECH & DEBATE

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Competitive Speech and Acting	•	•	•	•	0.5	✓			✓			✓			✓
Debate 1	•	•	•	•	0.5	✓		✓	✓						✓
Advanced Debate		•	•	•	0.5	✓		✓	✓						✓
Speech 1	•	•	•	•	0.5			✓	✓						✓
Dual Credit Speech (BCC)			•	•	0.5	✓		✓	✓						✓
Theatre 1	•	•	•	•	1.0							✓			✓
Theatre 2		•	•	•	1.0	✓						✓			✓
Advanced Acting			•	•	1.0	✓						✓			✓
Theatre Technology		•	•	•	1.0	✓						✓			✓

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

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

✓NCAA

Credit: ½
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.

THEATRE, SPEECH & DEBATE

Speech (Butler Community College)

Grades: 11-12 ✓NCAA
Homework: 2 hours/week
Prerequisite: 3.0+ 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 textbooks.**

Debate 1

Credit: ½ ✓NCAA
Grades: 9-12
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 ten afternoon and evening practices. **Students must also be available to attend three weekend tournaments. Students must meet KSHSAA eligibility requirements.**

Advanced Debate

Credit: ½ ✓NCAA
Grades: 10-12
Homework: Participation required at night and on weekends during first semester
Prerequisite: Debate 1 with a 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 ten afternoon and evening practices. **Students must meet KSHSAA eligibility requirements.**

Competitive Speech and Acting

Credit: ½
Grades: 9-12
Homework: Must be available for weekend competitions during second semester
Prerequisite: GPA of 2.5 or above and first-time 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 ten afternoon and evening practices. Students must be available to attend three weekend tournaments. **Students must meet KSHSAA eligibility requirements.**

WORLD LANGUAGES

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
French 1	•	•	•	•	1.0			✓							✓
French 2		•	•	•	1.0	✓		✓							✓
French 3			•	•	1.0	✓		✓							✓
French 4				•	1.0	✓		✓							✓
Spanish 1	•	•	•	•	1.0			✓							✓
Spanish 2	•	•	•	•	1.0	✓		✓							✓
Spanish 3		•	•	•	1.0	✓		✓							✓
Spanish 4			•	•	1.0	✓		✓							✓
Spanish 5				•	1.0	✓	✓	✓							✓

World Languages

French 1

Credit: 1 ✓NCAA
Grades: 9-12
Homework: Less than 1 hour/week
Prerequisite: None

By the end of French I, students should be able to speak, write, and read short narratives, dialogues, and texts focusing on present and simple future tense pertaining to daily life. Basic verb conjugation and vocabulary will be studied in high-interest topical units: food, family and friends, and activities at school or in town. Verbal and physical participation, interpreting authentic media, brief oral presentations, and written practice are typical activities used to aid in comprehension and retention. European French culture is the main geographic focus of exploration.

French 2

Credit: 1 ✓NCAA
Grades: 10-12
Homework: Less than 1 hour/week
Prerequisite: "C" or better in French 1

During the second year of French, students begin reading more complex stories and dialogues as well as explore worldwide French-speaking cultures. Students will be able to do basic research at authentic websites (lodging, travel, cooking, etc.) and write paragraphs and skits in French on topics such as clothing, the home, famous chateaux or monuments, and a recipe of Francophone origin. The students will expand their skills in irregular verbs and past and future tenses while acquiring an expanded vocabulary.

French 3

Credit: 1 ✓NCAA
Grades: 11-12
Homework: Less than 1 hour/week
Prerequisite: "C" or better in French 2

French 3 involves a more in-depth study of the French language including accessible Francophone literature, film, music, & other authentic media. Students will expand their vocabulary, learn several new verb tenses, and acquire a deeper understanding of French linguistics. They will be able to read, write, create, and role-play problem-solving dialogues that could arise in situations such as traveling, falling ill or getting hurt, obtaining necessities for our daily routines, or caring for an animal and its habitat.

French 4

Credit: 1 ✓NCAA
Grades: 12
Homework: Less than 1 hour/week
Prerequisite: "C" or better in French 3

Students in French 4 will be able to view and critique visual and performing arts, compare our education system with the French Baccalaureate system, research options for post-diploma work or study, express hopes or fears about the future, and discuss ecosystems and geography. Research in these areas could include French cultures in Europe, the Caribbean, Africa, the Pacific Islands, and North America. Literature may include portions of novels, plays, films, and short stories relevant to the topical units. Some texts will cover historical periods of France and its famous leaders, artists, and writers while students continue to develop more complex grammatical structures and verb forms as well as abundant day-to-day vocabulary.

WORLD LANGUAGES

Spanish 1

Credit: 1
Grades: 9-12
Homework: Less than 1 hour/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 people. 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: Less than 1 hour/week
Prerequisite: "C" or better in Spanish 1

This full-year course 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 C 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: Less than 1 hour/week
Prerequisite: "C" or better in Spanish 2

This full-year course begins an in-depth study of Spanish. Students will 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: Less than 1 hour/week
Prerequisite: "C" or better 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

Spanish 5

Credit: 1
Grades: 12
Homework: Less than 1 hour/week
Prerequisite: "C" or better 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 applications. **This class is on a 4.5 weighted grading scale.**

SPECIAL EDUCATION

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Gifted Independent Study	•	•	•	•	1.0	✓									✓
Pre-Algebra	•	•	•		1.0	✓				✓					
Algebra	•	•	•	•	1.0	✓				✓					
Math 1	•				1.0	✓				✓					
Math 2		•			1.0	✓				✓					
Math 3			•		1.0	✓				✓					
Math 4				•	1.0	✓				✓					
Biology in Context	•	•	•		1.0	✓				✓					
English 1	•				1.0	✓			✓						
English 2		•			1.0	✓			✓						
English 3			•		1.0	✓			✓						
English 4				•	1.0	✓			✓						
Resource Lab	•	•	•	•	1.0	✓									✓
Resource Lab Vocational	•	•	•	•	1.0	✓									✓
Speech 1				•	0.5	✓			✓						
US Government				•	0.5	✓						✓			
US History			•		1.0	✓						✓			
Modern World History		•			0.5	✓						✓			
World Geography	•				0.5	✓						✓			

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: ½ per semester
Grades: 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. Within this course, the following options are offered:

- **College and Career Advising:** This option will help guide students by listening to their aspirations and advise them on the education and experiences needed to make well-informed decisions to achieve their goals. We help students navigate through high school and into career and post-secondary by creating a roadmap for success.
- **Academic Support:** This option is designed to help students succeed in their courses. Students will learn skills that will help them be successful in their individual classes, and also in real-life situations. Some activities may include: developing time management skills, study skills, note and test-taking strategies. Students will be able to devote time to individual courses to strengthen their academic performance.
- **Courses of Study:** This option will provide an opportunity for students to learn new knowledge, skills and strategies. The courses offered vary with the interests and needs of the students. Students interested should communicate with their counselor and gifted facilitator.

SPECIAL EDUCATION

Resource Lab

Credit: 1
Grades: 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
Grades: 9-12
Homework: As needed
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 by 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 the 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, and 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.

English 4

Credit: 1
Grade: 12
Homework: 1 hour/week
Prerequisite: Must meet state guidelines and English 3
The study of language includes the 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. This course may move more slowly than Regular Education English 4. Other modifications may be made to the course based on individual student needs and IEP goals.

SPECIAL EDUCATION

Math 1

Credit: 1
Grade: 9
Homework: 2 hours/week
Prerequisite: Must meet state guidelines
This course reinforces general mathematics skills; extend these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. This course is designed for freshmen. Other modifications may be made to the course based on individual student needs and IEP goals.

Math 2

Credit: 1
Grade: 10
Homework: 2 hours/week
Prerequisite: Must meet state guidelines
This course reinforces general mathematics skills; extends these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. This course is designed for sophomores. Other modifications may be made to the course based on individual student needs and IEP goals.

Math 3

Credit: 1
Grade: 11
Homework: 2 hours/week
Prerequisite: Must meet state guidelines
This course reinforces general mathematics skills; extend these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. This course is designed for juniors. Other modifications may be made to the course based on individual student needs and IEP goals.

Math 4

Credit: 1
Grade: 12
Homework: 2 hours/week
Prerequisite: Must meet state guidelines
This course reinforces general mathematics skills; extends these skills to include some pre-algebra and algebra topics; and use these skills in a variety of practical, consumer, business, and occupational applications. This course is designed for seniors. Other modifications may be made to the course based on individual student needs and IEP goals.

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 Pre-Algebra. 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 the 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.

Speech 1

Credit: ½
Grade: 10
Homework: 1-2 hours/week
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.

SPECIAL EDUCATION

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 Biology. Other modifications may be made to the course based on individual student needs and IEP goals.

World Geography

Credit: ½
Grade: 9
Homework: 1-2 hours/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: ½
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 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 an 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.

United States 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 United States History. Other modifications may be made based on individual student needs and IEP goals.

United States Government

Credit: ½
Grade: 12
Homework: 1 hour/week
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 United States Government. Other modifications may be made based on individual student needs and IEP goals.

COLLEGE RELEASE, STUDY SKILLS AND SEMINAR/ADVISORY

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
College Release			•	•	0.5	✓									✓
Seminar/Advisory	•	•	•	•	0.25										✓
Study Skills	•	•	•	•	0.5										✓

College Release

Credit: ½
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 the first semester must be taken for dual credit. Students must enroll in a 3-credit-hour class to get 1 hour of release time and two 3-hour classes or one 5-hour class for 2 hours of release time. Students must remain in college to receive a passing grade for college release.

Seminar/Advisory

Credit: ¼/year (Pass/Fail)
Grades: 9-12
Homework: ½ 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.

Study Skills

Credit: ½ (Pass/Fail)
Grades: 9-12
Homework: ½ 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.

CONSORTIUM

Course Title	Possible Grade Level				Credit	Prerequisite required	Weighted Grade	NCAA	Graduation Requirement						
	9	10	11	12					Communications and ELA	STEM: Math and Science	STEM: STEM Electives	Society and Humanities	Employability & Life Skills: PE, Health, and Financial Literacy	Computer Applications	Electives
Counselor Aide			•	•	0.5	✓									✓
Media Aide		•	•	•	0.5	✓									✓
Office Aide			•	•	0.5	✓									✓
Teacher Aide/Tutor			•	•	0.5	✓									✓
Math Peer Tutor			•	•		✓									✓
Community Service			•	•	0.5	✓									✓
Workplace Experience			•	•	0.5	✓									✓
Student Council - Leadership Communication	•	•	•	•	1.0	✓									✓
Teen Leadership	•	•	•	•	0.5										✓
Driver Education (summer only)	•	•	•	•	0.5	✓									✓

Consortium

Enrollment is limited in the following areas: aides, workplace experience and community service. Students in grades 11-12 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.

Counselor Aide

Credit: ½ (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: ½ (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.

Office Aide

Credit: ½ (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 selected will work in the office for 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.

Teacher Aide/Tutor

Credit: ½ (Pass/Fail)
Grades: 11-12
Homework: None
Prerequisite: Administrator approval
Students assist instructors in preparing, organizing, or delivering course curricula or assisting other staff members in fulfilling their duties. Students may provide tutorial or instructional assistance to other students.

Math Peer Tutor

Credit: ½ (Pass/Fail)
Grades: 11-12
Homework: None
Prerequisite: Teacher recommendation
Students help those in Math Support with homework, preparing for tests, and any concepts the tutor deems necessary for those in the support classes.

Community Service (may be repeated for credit)

Credit: 1 (Pass/Fail)
Grades: 11-12
Homework: Weekly
Prerequisite: 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 community. This would include work at the Andover Healthcare Center, Senior Center, Andover Fire and Rescue, Chamber of Commerce, City Hall, Good Will or any other community entity that a student wishes to serve. Approved students must be on track to graduate with their cohort. All community service placements will be approved by application completion and availability.

Workplace Experience

Credit: 1 (Pass/Fail)
Grades: 11-12
Prerequisite: Administrator approval
This course provides students with work experience to help prepare for their career of choice. Students may work specifically in their chosen field, in an entry-level position that leads to the chosen career, or in a closely related field if the specific field is not locally available. This career experience may be paid or non-paid. Students will be required to submit work hours logs or pay stubs. Reflection journals will be required to receive school credit. Students enrolled in this course may not be enrolled concurrently in an aide hour or community service. Approved students must be on track to graduate with their cohort. Students may take this one-hour or two back-to-back hours. All career exploration placements will be the responsibility of the student and approved by an administrator upon the completion of the application process.

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.

Teen Leadership

Credit: ½
Grades: 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.

Driver Education (Summer Only)

Credit: ½
Grades: 9-12
Homework: ½ 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.**