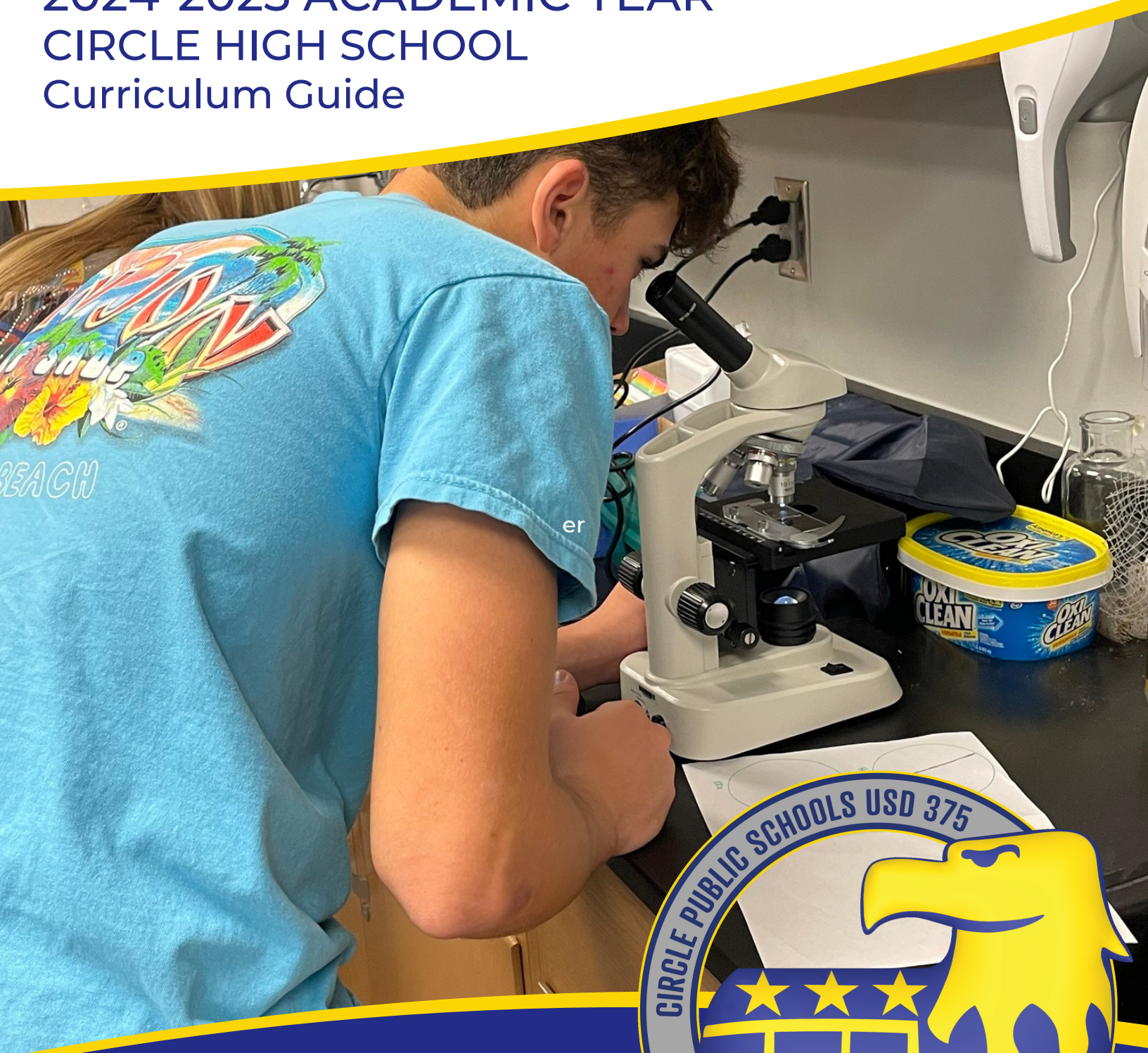


CIRCLE HIGH SCHOOL

2024-2025 ACADEMIC YEAR
CIRCLE HIGH SCHOOL
Curriculum Guide



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🌐 USD375.ORG

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2024-2025 ACADEMIC YEAR

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Every Circle High School student has a different high school experience and path. This Curriculum Guide will help you with your journey through high school and onto your post-secondary plans. With the many different post-secondary options available to you, it is essential that you plan your path through your four years of high school with your Individual Plan of Study, through the development of your Electronic Portfolio. Every effort is made to provide you with the most up-to-date information in this Curriculum Guide. However, there may be programs or course offering changes after the publication of this guide. Your best resource for the most current information is your School Counselor. We are excited you are part of the Thunderbird family!

#thrivein375

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GRADUATION REQUIREMENTS CLASS OF 2025

To be awarded a diploma signifying graduation from Circle High School, a student must have satisfactorily completed **29 units of credit** at CHS.

Of the units of credit needed for graduation, passing grades must be earned in the following required courses:

CONTENT AREA	CREDITS NEEDED	EXPLANATION OF CREDITS
LANGUAGE ARTS	4	MUST INCLUDE: <ul style="list-style-type: none">• ENGLISH I, 1 credit• ENGLISH II, 1 credit• ENGLISH III, 1 credit• ENGLISH ELECTIVES, 1 credit
MATH	3	3 Credits
SCIENCE	3	MUST INCLUDE: <ul style="list-style-type: none">• PHYSICAL SCIENCE COURSE, 1 credit• LIFE SCIENCE COURSE, 1 credit
SOCIAL STUDIES	3	MUST INCLUDE: <ul style="list-style-type: none">• WORLD GEOGRAPHY or WORLD CULTURE, .5 credit• WORLD HISTORY, 1 credit• AMERICAN HISTORY, 1 credit• AMERICAN GOVERNMENT, .5 credit
HEALTH + FRESHMAN P.E. -OR- INTRO TO SPORTS PERFORMANCE	1	1 Credit
FINE ARTS	1	1 Credit <ul style="list-style-type: none">• Drama, Music, Art, Photography, or Forensics
BUSINESS COMMUNICATIONS -OR- FINANCIAL LITERACY	.5	.5 Credit

All students are required to enroll in 8 1/2 units of credit each school year. If all graduation requirements have been met by the end of first semester, a senior is not required to attend classes at CHS during the second semester. This is referred to as "graduating at semester". Seniors must meet with their counselor to determine their eligibility for "graduating at semester". The diploma will not be issued until the May graduation ceremony.

A senior must be enrolled in at least five classes in the second semester to be eligible to participate in KSHSAA sponsored events and school activities. These can be a combination of CHS and college courses, although at least one class must be at CHS to maintain eligibility. Seminar does not count.



GRADUATION REQUIREMENTS CLASS OF 2026

To be awarded a diploma signifying graduation from Circle High School, a student must have satisfactorily completed **29 units of credit** at CHS.

Of the units of credit needed for graduation, passing grades must be earned in the following required courses:

CONTENT AREA	CREDITS NEEDED	EXPLANATION OF CREDITS
LANGUAGE ARTS	4	MUST INCLUDE: <ul style="list-style-type: none">• ENGLISH I, 1 credit• ENGLISH II, 1 credit• ENGLISH III, 1 credit• ENGLISH ELECTIVES, 1 credit
MATH	3	3 Credits
SCIENCE	3	MUST INCLUDE: <ul style="list-style-type: none">• PHYSICAL SCIENCE COURSE, 1 credit• LIFE SCIENCE COURSE, 1 credit
SOCIAL STUDIES	3	MUST INCLUDE: <ul style="list-style-type: none">• WORLD GEOGRAPHY or WORLD CULTURE, .5 credit• WORLD HISTORY, 1 credit• AMERICAN HISTORY, 1 credit• AMERICAN GOVERNMENT, .5 credit
HEALTH + FRESHMAN P.E. -OR- INTRO TO SPORTS PERFORMANCE	1	1 Credit
FINE ARTS	1	1 Credit <ul style="list-style-type: none">• Drama, Music, Art, Photography, or Forensics
FINANCIAL LITERACY	.5	.5 Credit

All students are required to enroll in 8 1/2 units of credit each school year. If all graduation requirements have been met by the end of first semester, a senior is not required to attend classes at CHS during the second semester. This is referred to as "graduating at semester". Seniors must meet with their counselor to determine their eligibility for "graduating at semester". The diploma will not be issued until the May graduation ceremony.

A senior must be enrolled in at least five classes in the second semester to be eligible to participate in KSHSAA sponsored events and school activities. These can be a combination of CHS and college courses, although at least one class must be at CHS to maintain eligibility Seminar does not count.



GRADUATION REQUIREMENTS CLASS OF 2027

To be awarded a diploma signifying graduation from Circle High School, a student must have satisfactorily completed **29 units of credit** at CHS.

Of the units of credit needed for graduation, passing grades must be earned in the following required courses:

CONTENT AREA	CREDITS NEEDED	EXPLANATION OF CREDITS
LANGUAGE ARTS	4	MUST INCLUDE: <ul style="list-style-type: none">• ENGLISH I, 1 credit• ENGLISH II, 1 credit• ENGLISH III, 1 credit• ENGLISH ELECTIVES, 1 credit
MATH	3	3 Credits
SCIENCE	3	MUST INCLUDE: <ul style="list-style-type: none">• PHYSICAL SCIENCE COURSE, 1 credit• LIFE SCIENCE COURSE, 1 credit
SOCIAL STUDIES	3	MUST INCLUDE: <ul style="list-style-type: none">• SOCIAL STUDIES ELECTIVE, .5 credit• WORLD HISTORY, 1 credit• AMERICAN HISTORY, 1 credit• AMERICAN GOVERNMENT, .5 credit
HEALTH + FRESHMAN P.E. -OR- INTRO TO SPORTS PERFORMANCE	1	1 Credit
FINE ARTS	1	1 Credit <ul style="list-style-type: none">• Drama, Music, Art, Photography, or Forensics
FINANCIAL LITERACY	.5	.5 Credit

All students are required to enroll in 8 1/2 units of credit each school year. If all graduation requirements have been met by the end of first semester, a senior is not required to attend classes at CHS during the second semester. This is referred to as "graduating at semester". Seniors must meet with their counselor to determine their eligibility for "graduating at semester". The diploma will not be issued until the May graduation ceremony.

A senior must be enrolled in at least five classes in the second semester to be eligible to participate in KSHSAA sponsored events and school activities. These can be a combination of CHS and college courses, although at least one class must be at CHS to maintain eligibility Seminar does not count.



GRADUATION REQUIREMENTS CLASS OF 2028

To be awarded a diploma signifying graduation from Circle High School, a student must have satisfactorily completed **29 units of credit** at CHS.

Of the units of credit needed for graduation, passing grades must be earned in the following required courses:

CONTENT AREA	CREDITS NEEDED	EXPLANATION OF CREDITS
COMMUNICATIONS	4	MUST INCLUDE: <ul style="list-style-type: none"> • ENGLISH I - 1 credit • ENGLISH II - 1 credit • ENGLISH III - 1 credit • ENGLISH ELECTIVE -.5 credit • COMMUNICATIONS - .5 credit <ul style="list-style-type: none"> ◦ (Speech, Public Speaking, Forensics)
SOCIETY & HUMANITIES	4	MUST INCLUDE: <ul style="list-style-type: none"> • WORLD HISTORY - 1 credit • AMERICAN HISTORY - 1 credit • AMERICAN GOVERNMENT - .5 credit • SOCIAL STUDIES ELECTIVE - .5 credit • FINE ARTS - 1 Credit <ul style="list-style-type: none"> ◦ (Music, art, theater, photo imaging)
STEM (Science, Technology, Engineering, Math)	7	MUST INCLUDE: <ul style="list-style-type: none"> • MATH - 3 credits <ul style="list-style-type: none"> ◦ (Algebraic and Geometric concepts) • SCIENCE - 3 credits <ul style="list-style-type: none"> ◦ (Physical and Life Science courses) • STEM ELECTIVE - 1 credit <ul style="list-style-type: none"> ◦ (Computer Science, Advanced Math, Advanced Science, Advanced CTE, Advanced Technology)
EMPLOYABILITY & LIFE SKILLS	14	MUST INCLUDE: <ul style="list-style-type: none"> • PHYSICAL EDUCATION - 5 credit • HEALTH - .5 credit • FINANCIAL LITERACY - .5 credit • ELECTIVES - 12.5 credits
POST-SECONDARY ASSESTS		<ul style="list-style-type: none"> • COMPLETION OF TWO POST-SECONDARY ASSESTS

All students are required to enroll in 8 1/2 units of credit each school year. If all graduation requirements have been met by the end of first semester, a senior is not required to attend classes at CHS during the second semester. This is referred to as "graduating at semester". Seniors must meet with their counselor to determine their eligibility for "graduating at semester". The diploma will not be issued until the May graduation ceremony.

A senior must be enrolled in at least five classes in the second semester to be eligible to participate in KSHSAA sponsored events and school activities. These can be a combination of CHS and college courses, although at least one class must be at CHS to maintain eligibility Seminar does not count.



POST-SECONDARY ASSETS & STEM ELECTIVES

Graduation requirements for the Class of 2028

Beginning with the Class of 2028, students will complete two or more Post-Secondary Assests as established by the Kansas State Board of Education. Students are responsible for identifying the assests they want to complete on their Course Selection plan and reporting the completion of the asset to their school counselor with appropriate documentation. Listed below are the options the students have for satisfying this graduation requirement. Students may pick one asset to complete from each category or they may complete two assets from the same category.

CAREER & REAL-WORLD ASSETS

- 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 ASSETS

- 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+)

STEM ELECTIVES

CTE (Career and Technical Education) Electives

- Yearbook production (1.0 credit)
- Video production (.5 credit)
- Computer Graphic Design (1.0 credit)
- Career Connections (.5 credit)
- Research and Design for Manufacturing (1.0 credit)
- Furniture and Cabinetry Fabrication (1.0 credit)
- CAM III (.5 credit)
- CTE pathway Internship (1.0 credit)

Math STEM level

- 4th year of Math taken at the high school (1.0 credit)

Science STEM level

- 4th year of Science at the high school (1.0 credit)

Name:

Graduating Year:

Career Interest/Pathway:

College/University, Tech School or Job Market:

CIRCLE HIGH SCHOOL

Course Selections



FRESHMAN YEAR

Courses	1st SEMESTER		2nd SEMESTER	
	CLASS NAME	CREDITS EARNED	CLASS NAME	CREDITS EARNED
1. ENGLISH				
2. MATH				
3. SCIENCE				
4. SOCIAL STUDIES				
5. P.E. & HEALTH				
6. ELECTIVE				
7. ELECTIVE				
8. ELECTIVE				
ALTERNATIVE ELECTIVE CHOICE				
ALTERNATIVE ELECTIVE CHOICE				
Total Credits				

SOPHOMORE YEAR

Courses	1st SEMESTER		2nd SEMESTER	
	CLASS NAME	CREDITS EARNED	CLASS NAME	CREDITS EARNED
1. ENGLISH				
2. MATH				
3. SCIENCE				
4. SOCIAL STUDIES				
5. P.E. & HEALTH				
6. ELECTIVE				
7. ELECTIVE				
8. ELECTIVE				
ALTERNATIVE ELECTIVE CHOICE				
ALTERNATIVE ELECTIVE CHOICE				
Total Credits				

JUNIOR YEAR

Courses	1st SEMESTER		2nd SEMESTER	
	CLASS NAME	CREDITS EARNED	CLASS NAME	CREDITS EARNED
1. ENGLISH				
2. MATH				
3. SCIENCE				
4. SOCIAL STUDIES				
5. P.E. & HEALTH				
6. ELECTIVE				
7. ELECTIVE				
8. ELECTIVE				
ALTERNATIVE ELECTIVE CHOICE				
ALTERNATIVE ELECTIVE CHOICE				
Total Credits				

SENIOR YEAR

Courses	1st SEMESTER		2nd SEMESTER	
	CLASS NAME	CREDITS EARNED	CLASS NAME	CREDITS EARNED
1. ENGLISH				
2. MATH				
3. SCIENCE				
4. SOCIAL STUDIES				
5. P.E. & HEALTH				
6. ELECTIVE				
7. ELECTIVE				
8. ELECTIVE				
ALTERNATIVE ELECTIVE CHOICE				
ALTERNATIVE ELECTIVE CHOICE				
Total Credits				



ENHANCED COURSE REQUIREMENTS

NCAA & NAIA Requirements

If a student is interested in participating in college athletics after graduation, he/she should see his/her coach(es) or counselor for information on the requirements needed for NCAA or NAIA eligibility or go to the appropriate website.

Division I		Division II	
English	4 yrs	English	3 yrs
Math Algebra I or higher	3 yrs	Math Algebra I or higher	2 yrs
Natural/Physical Science Including 1 yr of lab, if offered.	2 yrs	Natural/Physical Science Including 1 yr of lab, if offered.	2 yrs
Additional English, math, or natural/physical science	1 yrs	Additional English, math, or natural/physical science	3 yrs
Social Science	2yrs	Social Science	2yrs
Additional Courses Any area listed above, foreign language, or comparative religion/philosophy	4 yrs	Additional Courses Any area listed above, foreign language, or comparative religion/philosophy	4 yrs

For more information on playing sports in college, visit:
[NCAA](#) website or [NAIA](#) website

Kansas Board of Regents Kansas Scholar Curriculum

Students applying to any of the six Kansas Regents universities (Emporia State, Fort Hays State, Kansas State, Pittsburg State, University of Kansas, Wichita State) must meet certain admission criteria. It's important that you and your parents know and understand these requirements so you are ready for college when you graduate from high school. The courses you take during high school, and your success in those classes will impact your future plans.

KANSAS SCHOLARS CURRICULUM IS RECOMMENDED BUT NOT REQUIRED: To best prepare for the rigor of college-level courses, following the Kansas Scholars curriculum is recommended. **One unit is equivalent to one year, or two semesters:**

English	4 units	
Math	4 units	One unit of each: • Algebra I, Geometry, Algebra II One unit of Advanced Math course • See KS Scholars page for Math course list
Social Science	3 units	1 unit of U.S History .5 unit of U.S. Gov .5 unit of 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	2 units of the same language.

For more information:

[Kansas Board of Regents Qualified Admissions](#)

[Kansas Board of Regents Kansas Scholar Curriculum](#)





IMPORTANT INFORMATION

ENROLLMENT PROCEDURE

All incoming freshmen will receive enrollment information at the Freshmen Orientation Program held in late January/early February. It is very important that the enrollment information is completed carefully and completely.

Freshmen, Sophomores and Juniors currently enrolled at Circle High School will receive enrollment information from the counselors in January. The counselors will assist students in choosing courses for next year that meet both their current and future educational needs. The Graduation Requirements located in this book lists all courses required for graduation from Circle High School. Parents/guardians are urged to work with their students to review their high school courses and graduation requirements.

All students will receive their final schedules and pay fees in August. The District Calendar will carry exact dates and times for final enrollment.

COUNSELORS' NOTE

The counselors and faculty will be happy to assist students in evaluating their abilities, interests, and selection of courses needed to best pursue their educational and occupational goals. Any student having questions regarding these goals is encouraged to visit with a counselor to discuss proper course selection. Parents are encouraged to assist their son/daughter in the selection process.

Each student is responsible for ensuring all graduation requirements are met.

SCHEDULE CHANGES

Teaching assignments, class offerings and the master class schedule are all developed from the pre-enrollment requests that students make in the spring. Therefore, it is important that students do a great deal of serious planning in the spring when they request their courses for the next year. Changes to student enrollment will not be made once course selection is completed. Be aware that alternate course choices will often be included in final schedules, so choose wisely!

Students who fail to complete pre-enrollment in PowerSchool by the designated due date will have their courses selected by their School Counselor.

After student schedules have been completed, changes will be made only if the request for change conforms to one of the following reasons: Student has not had the necessary course prerequisite. Failing a subject with the teacher's prognosis of continued failure because of lack of background or ability. (Lack of effort or interest not accepted!) Administrative changes to balance class loads or other administrative prerogatives. No schedule changes will be made for teacher preference.

For students who drop a college class after the first 2 weeks of the college semester, whatever grade Butler Community College or WSUTech assigns to the student will be posted on their high school transcript. Opportunity to earn the course credit for current semester may not be available. All course drops need to go through a school counselor.



IMPORTANT INFORMATION

GRADE CLASSIFICATION

The grade classification of a student as a Freshman, Sophomore, Junior, or Senior will be based upon the progression of years at the high school.

FRESHMAN - 1ST YEAR STUDENT
SOPHOMORE - 2ND YEAR STUDENT
JUNIOR - 3RD YEAR STUDENT
SENIOR - 4TH YEAR STUDENT

To successfully be on track and complete all 29 graduation credit requirements, students should have completed the cumulative credits by the end of each of their first three years.

FRESHMAN - 7 CREDITS
SOPHOMORE - 14 CREDITS
JUNIOR - 21 CREDITS

DRIVER'S EDUCATION

**DRIVER'S EDUCATION IS OFFERED TO
CIRCLE HIGH SCHOOL STUDENTS
DURING THE SUMMER ONLY.**

Enrollment forms are available in the high school office or online at the CHS website during the month of April.

This course includes two (2) weeks of classroom work. All students must be fifteen (15) years of age by June 1 or be enrolled as a sophomore before they can participate in the driving experience. One fourth (1/4) credit will be awarded for successful completion of this course. Grading is on a Pass/Fail basis.

SPECIAL EDUCATION

Special Education programs are designed to meet the individual educational needs of students. All special services are offered through the Butler County Special Education Interlocal 638.

SUMMER SCHOOL

Sometimes it becomes necessary to repeat failed courses during summer school. Please see your counselor to get information regarding dates, locations, fees, and enrollment deadlines for current summer school programs.

KSHSAA ELIGIBILITY

The student shall be enrolled in and attending a minimum of five new subjects (those not previously passed) of unit weight, or its equivalency, during the present semester.

NOTE:

High school students dually enrolled in colleges, who have their college hours recorded on their high school transcript may count five hours of college credit as two subjects of unit weight or three hours of college credit as one subject of unit weight. However, the student must attend at least one class of unit weight at the member, base school per semester.
(KSHSAA Handbook)



DUAL CREDIT COURSES

Butler Community College offers classes at Circle High School for sophomores, juniors and seniors during the regular school day. Students who enroll in a BCC class taught at Circle High School will earn credit from each institution. This grade and credit will appear on both the Circle High School and Butler Community College transcripts. Students must have acceptable GPA, ACT or Accuplacer scores to enroll. In the fall of 2016, BCC started a tuition waiver program for a select number of courses. Students will be required to pay all fees and purchase/rent necessary textbooks.

Colleges will not release transcripts, necessary for dual credit, until all financial obligations have been paid.

For students who drop a college class after the first 2 weeks of the college semester, whatever grade Butler Community College or WSUTech assigns to the student will be posted on their high school transcript. The opportunity to earn the course credit for the current semester may not be available. All course drops need to go through a school counselor.

With approval, students may also take classes for dual credit at other district-approved post-secondary institutions during the school day, summer, or evening. Students must meet with their counselor to discuss scheduling options.

The following credit will be given by Circle High School for each college credit hour:

- 1 college hour = 1/4 high school credit
- 2 or 3 college hours = 1/2 high school credit
- 4 or 5 college hours = 1 high school credit

BUTLER COMMUNITY EARLY COLLEGE ACADEMIES

Early College Academy students begin as juniors in high school and follow a two-year track which may lead to a two-year associate degree from Butler Community College by the time they graduate high school.

See your College and Career Advocate for Early College Academy application information or information on the Thrive program.

Butler Community College Early College Academies

- Agriculture
- Business
- Construction Technology
- Culinary Arts
- Cyber Security
- Education
- Engineering Studies
- Game & Simulation
- Design
- Health Sciences
- Liberal Arts
- Welding-Jump Start

For more information:
[BCC Early College Academy](#)



CIRCLE HIGH SCHOOL ARTICULATION AGREEMENTS

BUTLER COMMUNITY COLLEGE & WSUTech

Circle Unified School District 375 has articulation agreements with Butler Community College (BCC) and WSU Tech. These agreements afford students the opportunity to articulate/earn post-secondary credit for courses completed in high school, which can go towards a Technical Certificate or Associates of Applied Science Degree. In addition, it eliminates duplication or loss of credit for skills already learned. Articulation agreements require students to meet criteria established by the post-secondary school before college credit is awarded. The following programs of study are included in the articulation agreements:

AV COMMUNICATIONS

COLLEGE PROGRAMS OF STUDY

- Computer Technology
- Business Professional

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
30105	Photo Imaging	INI22	Digital Photography	3

BUSINESS MANAGEMENT & ENTREPRENEURSHIP

COLLEGE PROGRAMS OF STUDY

- Business and Professional
- Engineering & Manufacturing Technology

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
12053	Entrepreneurship	BA129	Writing a Business Plan (if student takes one semester)	3
			- or -	
		BA109	Entrepreneurship (if student takes full year course)	
21107	CAD 1 & 2	EN107	AutoCAD Basics	3

BUSINESS FINANCE

COLLEGE PROGRAMS OF STUDY

Business and Professional

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
12053	Entrepreneurship	INI22	Writing a Business Plan (if student takes one semester)	3
			- or -	
			Entrepreneurship (if student takes full year course)	
12104	Accounting	BA126	Accounting I	3
33108	Advanced Accounting			

CONSTRUCTION & DESIGN

COLLEGE PROGRAMS OF STUDY

- Engineering & Manufacturing Technology

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
21107	CAD 1 & 2	EN107	AutoCAD Basics	3
21107	CAD 1 & 2	EN107	Engineering Graphics I	3
21150	CATIA PDAS, CATIA AD, CATIA WFAS, & CATIA DRFT			
21103	Architecture Design II	EN103	Residential Design & CAD I	3
	OHSA10	WE110	OSHA 10 Student must present current & valid OSHA card.	1

EARLY CHILDHOOD DEVELOPMENT & SERVICES

COLLEGE PROGRAMS OF STUDY

- Education

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
45001 or 22207 & 19052 19098	Intro to Family & Consumer Science Career & Life Planning Foundation to Early Childhood Development Early Childhood Application	CD122	Principles of Early Childhood Education	3
19051	Orientation to Early Childhood Development			
45004/14	Human Growth & Development A or B			

FAMILY, COMMUNITY, & CONSUMER SERVICES

COLLEGE PROGRAMS OF STUDY

- Human Service

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
22208	Family Studies	BS283.1	Career Pathway Family Studies	3
45004 - or - 45014	Human Growth & Development A Human Growth & Development B	BS228.1	Career Pathway Human Development	3
08057	Foods for Today: Nutrition & Wellness	FW220	Health Living	3

MANUFACTURING

COLLEGE PROGRAMS OF STUDY Engineering & Manufacturing Technology

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
13052	Production Methods I	IT204	Materials & Processes of Industry	3
13204 - or - 39204	CAM Machine Tool Tech II	IT120	Beginning Concepts of CNC	3
21107	CAD 1 & 2	EN107	AutoCAD Basics	3
21107 - and - 39204	CAD 1 & 2 CATIA PDAS, CATIA AD, CATIA WFAS, & CATIA DRFT	EN107	Engineering Graphics 1	3

GRAPHIC DESIGNS

COLLEGE PROGRAMS OF STUDY

- Computer Information Technology
- Business and Professional

KANSAS COURSE CODE	CHS COURSE	BUTLER COURSE CODE	BUTLER COURSE	COLLEGE CREDIT
20105	Photo Imaging I	IN122	Digital Photography	3
05162 11154 - and - 10202 10203	Graphic Design Computer Graphics Interactive Media	IN166	Intro to Graphics	3



CAREER & TECHNICAL EDUCATION PATHWAYS

Circle High School offers classes that span over 13 CTE Career Pathways. Pathways are designed to provide a smooth transition from high school to postsecondary education (technical college, community college, & universities), apprenticeship opportunities, the military &/or the workplace. Students are encouraged to continue through the Application level to become Concentrators.

To be considered a CTE Concentrator, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical & application-level courses.

AVIATION			
Level	Course	Credit	State ID
Intro	Blueprint Reading	.5	21108
	Intro to Industrial Technology (CMS)	.5	38001
Technical	Aviations Fundamentals	.5	40410
	***Aerostructures I	.5	40620
	Hand and Power Tools	.5	40400
	CATIA-Part Design and Sketcher	1	21107
	CATIA-Assembly Design	1	21107
	CATIA-Wireframe and Surfaces	1	21107
	CATIA-Drafting	1	21107
Application	Mass Production	1	13052

BUSINESS MANAGEMENT & ENTREPRENEURSHIP			
Level	Course	Credit	State ID
Intro	Business Essentials (CMS)	.5	12050
Technical	Business Economics	.5	12105
	Entrepreneurship	.5	12053
	Business Management	.5	12052
	Business Communications	.5	12059
	Business Law	.5	12054
	Web Page Design	.5	10201
Application	Business Internship	1	32200

BUSINESS FINANCE			
Level	Course	Credit	State ID
Intro	Business Essentials (CMS)	.5	12050
Technical	Entrepreneurship	.5	12053
	Accounting	1	12104
	Business Law	.5	12054
	Consumer & Personal Finance	.5	22210
	Business communications	.5	12009
	Business Economics	.5	12105
Application	Advanced Accounting	1	33108
	Banking & Finance	1	12101
	Investing	1	12107
	Finance Internship	.5	12148

CONSTRUCTION & DESIGN			
Level	Course	Credit	State ID
Intro	Intro to Industrial Technology (CMS)	.5	38001
Technical	Cabinetmaking & Furniture Design I	1	17007
	Interior Design	.5	19263
	CAD I	.5	21107
	CAD II	.5	21107
	Architecture Design I	.5	21103
	Architecture Design II	.5	21103
Application	Cabinetmaking & Furniture Design II	1	38002
	Advanced Study of Architecture Design	.5	38050
	Construction Internship	.5	38100



CAREER & TECHNICAL EDUCATION PATHWAYS

DIGITAL MEDIA

Level	Course	Credit	State ID
Intro	Business Essentials (CMS)	.5	12050
Technical	21st Century Journalism	.5	30100
	Audio/Video Production Fundamentals	.5	30103
	Graphic Design Fundamentals	.5	30102
	Photo Imaging	.5	30105
	Advanced Photo Imaging	.5	30105
	Sports & Entertainment Marketing	.5	12163
Application	Yearbook Production	1	30151
	Magazine Production	1	30151
	Video Production	.5	30150
	Digital Media Internship	.5	31091

EARLY CHILDHOOD DEVELOPMENT & SERVICES

Level	Course	Credit	State ID
Intro	Career & Life Planning	.5	22207
Technical	Human Growth & Development	.5	45004
	Family Studies	.5	22209
	Foundations of Early Childhood Development	.5	19052
Application	Early Childhood Internship	.5	19098

ENGINEERING & APPLIED MATHEMATICS

Level	Course	Credit	State ID
Intro	Project Lead the Way (CMS)	1	41310
Technical	Engineering Design I	.5	21006
	Principles of Engineering I	.5	21004
	Principles of Engineering II	.5	21004
Application	Computer Integrated Manufacturing	1	21010
	Engineering Design & Development	1	21007
	Engineering Internship	.5	41048

FAMILY, COMMUNITY & CONSUMER SERVICES

Level	Course	Credit	State ID
Intro	Career & Life Planning	.5	22207
Technical	Human Growth and Development	.5	45004
	Family Studies	.5	22208
	Consumer & Personal Finance	.5	22210
	Foods for Today	.5	8057
	Culinary Essentials	.5	16052
	Career Connections	.5	22275
Application	Community Connections/ Internship	.5	19297



CAREER & TECHNICAL EDUCATION PATHWAYS

GRAPHIC DESIGN

Level	Course	Credit	State ID
Intro	Intro to Drawing	.5	30006
Technical	Photo Imaging	.5	30105
	Adv. Photo Imaging	.5	30105
	Computer Graphics	1	10202
	Graphic Design Fundamentals	.5	30102
	Graphic Design	1	5162
Application	Yearbook Production	.5	31090
	Graphic Design Internship	.5	10248

HEALTH SCIENCES

Level	Course	Credit	State ID
Intro	Biology	1	3051
	Chemistry	1	3101
Technical	AP Biology	1	3056
	Foods for Today	.5	8057
	Human Anatomy	1	3053
	Health Internship	.5	36992

TEACHING & TRAINING

Level	Course	Credit	State ID
Intro	Career & Life Planning	.5	22207
	***BCC Intro to Teaching	.5	19151
Technical	Human Growth & Development	.5	45004
	Family Studies	.5	19255
	Foundations of Early Childhood Development	.5	19052
	HOTT	.5	42251
Application	Teaching Internship	.5	19152

MANUFACTURING

Level	Course	Credit	State ID
Intro	Intro to Industrial Technology (CMS)	.5	38001
Technical	CAM I	.5	13204
	CAM II	.5	13204
	CAD I	.5	21107
	CAD II	.5	21107
	Manufacturing Processes II	.5	13002
	Production Welding Processes I	.5	39207
	Production Welding Processes II	.5	39207
Application	Advanced CAD I	.5	21150
	Advanced CAD II	.5	21150
	Research & Design for Manufacturing	.5	13998
	Manufacturing Internship	0.5	13348

RESTAURANT & EVENT MANAGEMENT

Level	Course	Credit	State ID
Intro	Career & Life Planning	.5	22207
	Business Essentials (CMS)	.5	12050
Technical	Entrepreneurship	.5	12053
	Culinary Essentials	.5	16052
	Event Planning & Management	.5	34052
	Foundations of Travel & Tourism	.5	34053
Application	Career Connections	.5	22275
	Community Connections/ Internship	.5	19297



COLLEGE AND CAREER READY

INTERNSHIPS



It is the goal of Circle Public Schools that, by graduation, all students will receive an Essential Skills Certification, the National Career Readiness Certificate, participate in multiple job shadow experiences, and complete a semester-long internship.

To support this goal, the College & Career Readiness Program was created. Through the program, students will explore a variety of career pathways & experiences--helping them make informed decisions about their future including what they would (and would not) like to pursue.

College & Career Readiness at Circle Public Schools is the guided exposure to potential future colleges & careers for students in the 8th through 12th grades.

This takes place via a work-based learning program where Circle students reach yearly milestones including job shadowing, internships, &/or obtaining technical certificates as graduating seniors.

INTERNSHIPS

An internship is a professional learning experience that offers meaningful, practical work related to a student's field of study or career interest.

An internship gives students the opportunity for career exploration and development, and to learn new skills. It also gives students the opportunity to evaluate career paths--do they enjoy the work, or should they possibly pursue another career path?

INTERNSHIP REQUIREMENTS

- Senior in good standing in academics, attendance, and behavior
- Earned a Bronze, Silver, Gold, or Platinum Certificate through ACT WorkKeys
- Participated in at least one Job Shadow experience during their Sophomore or Junior year.

INTERNSHIP COMPLETION FOR CREDIT

- Student must complete at least 50 hours of observation/work to receive one half credit for the course
- Students complete log of hours for credit through PATHWAYos app
- Student will receive evaluation from supervisor
- Students may complete up to 3 elective credits through internships

PROGRAM MILESTONES





COURSE OFFERINGS

REVIEW CLASS DESCRIPTIONS FOR ALL COURSE PREREQUISITES

Department/Course Title	POSSIBLE COURSE LEVEL				Credit	Kansas Scholars Curriculum	NCAA Credit	Page #
	9	10	11	12				
LANGUAGE ARTS DEPARTMENT								
English I	X				1	*	*	27
Honors English I	X				1	*	*	27
English I Assist	X				1			27
Essentials of English I	X				1			27
English II		X			1	*	*	28
Honors English II		X			1	*	*	28
English II Assist		X			1			28
Essentials of English II		X			1			28
English III			X		1	*	*	29
Honors English III			X		1	*	*	29
Essentials of English III			X		1			29
BCC English Composition I		X	X	X	.5	*	*	29
BCC English Composition II		X	X	X	.5	*	*	29
Creative Writing		X	X	X	.5	*	*	30
Mythology		X	X	X	5	*	*	30
Fable, Myth, and Legend		X	X	X	5	*	*	30
British & World Literature				X	.5	*	*	30
20th Century Sci-Fi Literature			X	X	.5	*	*	30
Reading for the Real World				X	.5			31
ACT Prep (Not an English credit)			X	X	.5			31
College Prep Composition			X	X	.5	*	*	31
21st Century Journalism	X	X	X	X	.5			31
MTSS English	X	X			No credit			31
BCC Public Speaking		X	X	X	.5	*	*	32
Speech and Communications	X	X	X	X	.5	*	*	32
Forensics (starting Class of 2028)	X	X	X	X	.5			32
MATH DEPARTMENT								
Algebra I	X	X			1	*	*	34
Geometry	X	X			1	*	*	34
Honors Geometry	X	X			1	*	*	34
Financial Algebra			X	X	1			34
Algebra II	X	X	X	X	1	*	*	34
Honors Algebra II	X	X	X	X	1	*	*	34
Advanced Mathematics		X	X	X	1	*	*	35
BCC College Algebra		X	X	X	.5	*	*	35
Statistics		X	X	X	.5	*	*	35
Calculus			X	X	1	*	*	35



COURSE OFFERINGS

REVIEW CLASS DESCRIPTIONS FOR ALL COURSE PREREQUISITES

Department/Course Title	POSSIBLE COURSE LEVEL				Credit	Kansas Scholars Curriculum	NCAA Credit	Page #
	9	10	11	12				

MATH DEPARTMENT cont.

ACT Prep (Not a Math credit)			X	X	.5			31
Algebra Assist (Not a Math Credit)	X	X			.5			35
MTSS Math	X	X			No credit			35

SCIENCE DEPARTMENT

Physical Science	X				1		*	37
Chemistry I	X	X	X	X	1	*	*	37
Chemistry II			X	X	1		*	37
Biology I		X			1	*	*	37
Biology II			X	X	1		*	37
Human Anatomy & Physiology			X	X	1		*	37
Physics			X	X	1	*	*	38
BCC Certified Nurse Assistant		X	X	X	.5			38

SOCIAL STUDIES DEPARTMENT

World History	X	X			1	*	*	39
American History		X	X		1	*	*	39
American History 3			X	X	.5	*	*	39
Honors American History		X	X		1	*	*	39
American Government			X	X	.5	*	*	39
BCC American Federal Government			X	X	.5	*	*	40
Intro to Psychology	X	X	X	X	.5	*	*	40
BCC General Psychology		X	X	X	.5	*	*	40
World Cultures	X	X	X	X	.5	*	*	40
Current Events	X	X	X	X	.5	*	*	40
BCC Sociology		X	X	X	.5	*	*	40

WORLD LANGUAGE DEPARTMENT

French I	X	X	X	X	1	*	*	41
French II		X	X	X	1	*	*	41
French III			X	X	1			41
French IV				X	1			41
Spanish I	X	X	X	X	1	*	*	42
Spanish II		X	X	X	1	*	*	42
Spanish III			X	X	1	*	*	42
Spanish IV				X	1			42



COURSE OFFERINGS

REVIEW CLASS DESCRIPTIONS FOR ALL COURSE PREREQUISITES

Department/Course Title	POSSIBLE COURSE LEVEL				Credit	Kansas Scholars Curriculum	NCAA Credit	Page #
	9	10	11	12				

PHYSICAL EDUCATION DEPARTMENT

Freshman P.E.	X				.5			43
Intro to Sports Performance	X	X	X	X	.5			43
Health	X				.5			43
Advanced Team Sports		X	X	X	.5			43
Lifetime Fitness		X	X	X	.5			43
Sports Performance	X	X	X	X	.5			44
Zero Hour Advanced Sports Performance	X	X	X	X	.5			44
Senior Sports Performance				X	.5			44

FINE ARTS - Drama

Forensics	X	X	X	X	.5			45
Drama I	X	X	X	X	.5			45
Drama Production	X	X	X	X	.5			45
Repertory Theater		X	X	X	.5			45

FINE ARTS - Music

Mixed Chorus	X	X	X	X	1			46
Celebration		X	X	X	1			46
T-Bird Singers		X	X	X	1			46
A Capella		X	X	X	1			46
Madrigals		X	X	X	1			46
Band	X	X	X	X	1			47
Jazz Band	X	X	X	X	1			47

FINE ARTS - Visual

Intro to Drawing	X	X	X	X	.5			48
Principles of Illustration		X	X	X	.5			48
Advanced Two-Dimensional Art		X	X	X	.5			48
Three-Dimensional Art I	X	X	X	X	.5			48
Three-Dimensional Art II	X	X	X	X	.5			48
Advanced Three-Dimensional Art		X	X	X	.5			48
Graphic Design Fundamentals	X	X	X	X	.5			49
Graphic Design	X	X	X	X	.5			49
Photo Imaging	X	X	X	X	.5			49
Advanced Photo Imaging	X	X	X	X	.5			49



COURSE OFFERINGS

REVIEW CLASS DESCRIPTIONS FOR ALL COURSE PREREQUISITES

Department/Course Title	POSSIBLE COURSE LEVEL				Credit	Kansas Scholars Curriculum	NCAA Credit	Page #
	9	10	11	12				
BUTLER COMMUNITY COLLEGE COURSES								
BCC English Comp. I		X	X	X	.5	*	*	29
BCC English Comp. II		X	X	X	.5	*	*	29
BCC Public Speaking		X	X	X	.5	*	*	32
BCC College Algebra		X	X	X	.5	*	*	35
BCC Certified Nurse Assistant		X	X	X	.5			38
BCC American Fed. Government		X	X	X	.5	*	*	40
BCC General Psychology		X	X	X	.5	*	*	40
BCC Sociology		X	X	X	.5	*	*	40
BCC Intro to Teaching		X	X	X	.5			55
CONSORTIUM ELECTIVES								
Aide				X	.5			50
T-Bird Tutor				X	.5			50
College/Career Ready Internship				X	.5			50
SPECIAL EDUCATION DEPARTMENT								
Vocational Work Release			X	X	.5			50
Learning Lab	X	X	X	x	.5			50
SEMINAR	X	X	X	X	.25			50



COURSE OFFERINGS

REVIEW CLASS DESCRIPTIONS FOR ALL COURSE PREREQUISITES

Department/Course Title	POSSIBLE COURSE LEVEL					Credit	Kansas Scholars Curriculum	NCAA Credit	Page #
	9	10	11	12					
BUSINESS DEPARTMENT									
Financial Literacy			X	X	.5				51
Business Communications	X	X	X	X	.5				51
Sports & Entertainment Marketing	X	X	X	X	.5				51
Event Planning & Management	X	X	X	X	.5				51
Computer Graphics		X	X	X	1.0				51
Business Economics	X	X	X	X	.5				51
Business Law		X	X	X	.5				51
Banking & Finance		X	X	X	.5				52
Investing			X	X	.5				52
Accounting	X	X	X	X	1.0				52
Advanced Accounting		X	X	X	1.0				52
Web Page Design			X	X	1.0				52
Entrepreneurship I		X	X	X	.5				52
Foundations of Travel and Tourism	X	X	X	X	.5				52
Finance Internship				X	.5				50
Business Internship				X	.5				50
FAMILY & CONSUMER SCIENCE									
Career & Life Planning	X	X	X	X	.5				53
Intro to Family and Consumer Science	X	X	X	X	.5				53
World of Fashion		X	X	X	.5				53
Foods for Today: Nutrition & Wellness		X	X	X	.5				53
Culinary Essentials		X	X	X	.5				53
Family Studies		X	X	X	.5				54
Career Connections		X	X	X	.5				54
Human Growth & Development	X	X	X	X	.5				54
Foundations to Early Childhood Develop.			X	X	.5				54
Early Childhood Applications				X	.5				55
Interior Design		X	X	X	.5				55
BCC Intro to Teaching		X	X	X	.5				55
Community Connections Internship				X	.5				50
Teaching Internship				X	.5				50
Health Internship				X	.5				50
Early Childhood Internship				X	.5				50



COURSE OFFERINGS

REVIEW CLASS DESCRIPTIONS FOR ALL COURSE PREREQUISITES

Department/Course Title	POSSIBLE COURSE LEVEL				Credit	Kansas Scholars Curriculum	NCAA Credit	Page #
	9	10	11	12				
DIGITAL MEDIA DEPARTMENT								
Audio Video Production Fundamentals		X	X	X	.5			56
Video Production		X	X	X	.5			56
Yearbook Production		X	X	X	1			56
Digital Media Internship				X	.5			50
Graphic Design Internship				X	.5			50
INDUSTRIAL TECHNOLOGY DEPARTMENT								
Architecture Design I	X	X	X	X	.5			57
Architecture Design II	X	X	X	X	.5			57
Advanced Studies in Arch. Design		X	X	X	.5			57
CAM I	X	X	X	X	.5			57
CAM II	X	X	X	X	.5			57
CAM III		X	X	X				58
CAD I	X	X	X	X	.5			58
CAD II	X	X	X	X	.5			58
3D Experience (CATIA 1)		X	X	X	.5			58
CATIA-Assembly Design		X	X	X	1			58
3D Experience (CATIA 2)		X	X	X	.5			58
CATIA-Drafting		X	X	X	1			58
Research & Design for Manu.			X	X	1			59
Production Methods I	X	X	X	X	.5			59
Production Methods IB	X	X	X	X	.5			59
Production Welding Processes I		X	X	X	.5			59
Production Welding Procecess II		X	X	X	.5			59
Production Welding Procecess III			X	X	.5			59
Woodworking Principles	X	X	X	X	1			60
Furniture & Cabinetry Fabrication		X	X	X	1			60
Residential Carpentry I		X	X	X	1			60
Residential Carpentry II			X	X	1			60
Engineering Design I	X	X	X	X	.5			61
Engineering Design II	X	X	X	X	.5			61
Principles of Engineering I		X	X	X	.5			61
Principles of Engineering II		X	X	X	.5			61
Construction Internship				X	.5			50
Engineering Internship				X	.5			50
Manufacturing Internship				X	.5			50



COURSE DESCRIPTIONS

LANGUAGE ARTS DEPARTMENT

ENGLISH I

Prerequisite: None

1 Credit

English I, or Freshman English, strives to help students prepare themselves to succeed in future English Language Arts courses, or in their lives after graduation. This Freshman course focuses on the further study and development of reading, writing, speaking, and listening skills while utilizing various grade-level appropriate texts to explore and refine these concepts. Some goals for the Freshman English class are to improve reading comprehension, analyze literature, and further their essay writing abilities. Once during the school year, students will deeply engage with the research process in order to produce a strong research-based essay.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

ESSENTIALS OF ENGLISH I

Prerequisite: By Placement Only

1 Credit

Essentials of English I, or Freshman English Essentials, will take students through the regular English I coursework at a slower pace. This class will help students who might need to catch up or some remediation in their English abilities due to unforeseen circumstances or situations. Students in this class will advance their reading, writing, speaking, listening, and research skills in order to stay on track to graduate with their peers.

- Satisfies English graduation requirements.
- DOES NOT satisfy Kansas Scholars Curriculum or NCAA requirements.

NOT CURRENTLY OFFERED

HONORS ENGLISH I

Prerequisite: Teacher Recommendation

1 Credit

Honors English I, or Freshman Honors English, challenges students and helps prepare them to succeed in future English Language Arts courses. This challenging course can also prepare college-bound students to tackle college coursework. This Freshman course focuses on advancing a student's existing reading, writing, speaking, and listening skills while finding advanced literary texts to further explore and refine the previously mentioned concepts. Once each semester, students will deeply engage with the research process in order to produce a strong research-based essay. On top of the goals from the regular English I class, honors students will engage in more essay writing, some assignments involving public speaking and presentation, and this course will read an extra novel each semester.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

ENGLISH I ASSIST

Prerequisite: By Placement Only

.5 Credit

The English I Assist class will take students who have been identified as needing additional support or extra class time in order to successfully and meaningfully complete English assignments and achieve grade appropriate goals. Students will be suggested to take this class through their previous English class grades and experiences, plus standardized tests and previous teacher recommendations. This class is not a separate option from English I and cannot be enrolled in normally.

- This class is not optional & students cannot choose to be in this class.
- Does not satisfy English graduation, Kansas Scholars Curriculum, or NCAA requirements.

NOT CURRENTLY OFFERED



COURSE DESCRIPTIONS

LANGUAGE ARTS DEPARTMENT

ENGLISH II

Prerequisite: English I

1 Credit

English II includes further work in reading, writing, listening, speaking, and researching. Students will compose, revise and edit their own writing, using the 6+1 Trait Writing Model as a guide. The process of producing quality writing through the writing process is the emphasis. A research paper is required. This course also includes a survey of the various literary genres of world literature including the short story, biography, autobiography, Shakespearean drama, essays, poetry, and the novel. Students will continue to study fictional elements, basic themes, author styles, and the basic elements of analysis and interpretation of literature.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

ESSENTIALS OF ENGLISH II

Prerequisite: By Placement Only

1 Credit

In this course, students will expand their application of close reading, writing, speaking, and listening skills. They will write well-organized narrative, informative, explanatory, and argumentative essays appropriate to task, purpose, and audience. Texts chosen in this course will focus on modified materials at the enrolled students' reading level.

Prerequisite:

- Satisfies English graduation requirements.
- DOES NOT satisfy Kansas Scholars Curriculum or NCAA requirements.

NOT CURRENTLY OFFERED

HONORS ENGLISH II

Prerequisite: Teacher Recommendation

1 Credit

Honors English II focuses on advanced skills in reading, writing, listening, speaking, and researching. This course also includes an in-depth study of the various literary genres of world literature including the short story, biography, autobiography, Shakespearean drama, essays, poetry, and novels. Students will continue to study fictional elements, basic themes, and author styles with an emphasis on analysis and interpretation of literature. In addition, the course includes introductory ACT/SAT prep activities. Students considering this course must be self-motivated and willing to commit time and energy in order to gain the benefits of a more demanding course of study. Additional written and independent work will be required, as well as, a possible summer novel reading/writing assignment. Students must earn a C in Honors English II during first semester in order to continue in the class second semester.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

ENGLISH II ASSIST

Prerequisite: By Placement Only

.5 Credit

Targeted 10th-grade students will be required to enroll in this additional course. The course will consist of individualized instruction for reading and writing, and supplemental time for English II. Students will be re-evaluated at semester for proper placement. Targeted students will be identified through classroom performance, standardized tests, state assessment scores, and classroom teacher recommendations.

- This class is not optional & students cannot choose to be in this class.
- Does not satisfy English graduation, Kansas Scholars Curriculum, or NCAA requirements.

NOT CURRENTLY OFFERED



COURSE DESCRIPTIONS

LANGUAGE ARTS DEPARTMENT

ENGLISH III

Prerequisite: English I & English II

1 Credit

English III includes advanced work in reading, writing, listening, and researching. The basis of this class is a thorough review of American literature, its significant periods, and a novel study. Students will compose, revise and edit their own writing, using the 6+1 Writing Trait Model as a guide. Several smaller research projects are integrated within the literary and historical time periods. Students will continue to study fictional elements, basic themes, author styles, and the basic elements of analysis and interpretation of literature.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

HONORS ENGLISH III

Prerequisite: Teacher Recommendation

1 Credit

Honors English III focuses on advanced language arts skills including reading, writing, listening, and speaking. This class explores American literature with greater depth than English III and is recommended for college-bound students. Students considering Honors English III should be self-motivated and willing to commit time and energy in order to gain the benefits of a more demanding course of study. Students must earn a C or better in Honors English III during first semester in order to continue in the class second semester.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

ESSENTIALS OF ENGLISH III

Prerequisite: By Placement Only

1 Credit

Essentials of English is for targeted juniors (based on teacher recommendation and test scores). Students will study American literature in a historical context and study a play, *The Crucible*. Students will develop skills in reading, writing, and listening.

Prerequisite:

- Satisfies English graduation requirements.
- DOES NOT satisfy Kansas Scholars Curriculum or NCAA requirements.

NOT CURRENTLY OFFERED

BCC ENGLISH COMPOSITION I

Prerequisite: English I & Qualifying Score or GPA

.5 Credit

This Butler Community College Dual Credit course will enable the student to communicate effectively through a variety of writing and reading activities to develop knowledge, skills, and critical thinking. The student will recognize the importance of the grammatical and rhetorical structure of language as applied to greater effectiveness and clarity in writing. The students will recognize the process and importance of creating clear and accurate documents.

Course Fee: BCC Tuition & Fees

- Must meet required GPA or Qualifying scores on Accuplacer Test or ACT.
- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

BCC ENGLISH COMPOSITION II

Prerequisite: English I & Qualifying Score or GPA

.5 Credit

This Butler Community College Dual Credit course will enable the student to further develop his/her knowledge, skills, and understanding of writing and reading with emphasis on thought-provoking writing topics and argumentative writing strategies. 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.

Course Fee: BCC Tuition & Fees

- Must meet required GPA or Qualifying scores on Accuplacer Test or ACT.
- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.



COURSE DESCRIPTIONS

LANGUAGE ARTS DEPARTMENT

CREATIVE WRITING

Prerequisite: English I

.5 Credit

Students will improve their techniques and individual style in poetry and short story writing. The emphasis of this course is writing, but students will also read and discuss the works of a variety of writers in order to obtain a fuller appreciation of the creative writing process. This is a great course to take to improve abilities in brainstorming, generating new ideas, critiquing person writing and that of classmates, and accepting feedback for improvement. Students must be willing to share their works with classmates and explore publication options. Creative Writing also provides an excellent opportunity for students to hone their skills in grammar and punctuation.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

MYTHOLOGY

Prerequisite: English I

.5 Credit

This course is a thorough study of classical (ancient Greek and Roman) mythology and the roles that myth and legend play in societies. Students will study major stories found in classical mythology and become familiar with the beliefs, gods, heroes, history, and values of ancient cultures and how those cultures helped shape Western civilization. The course includes reading, writing, and research skills.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

FABLE, MYTH AND LEGEND

Prerequisite: English I

.5 Credit

This course is a study of various fables, legends, and mythological traditions from around the world and how those traditions have influenced and continue to influence culture and society. Areas of study include Norse, British/King Arthur, Egyptian, and Biblical systems. This course includes reading, writing, speaking, and research skills.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

BRITISH & WORLD LITERATURE

Prerequisite: English I, English II, English III

.5 Credit

The focus of this semester English elective for seniors will be on both literature and writing. Students will study classical and British literature with an emphasis on chronological developments, period influences, author analysis, and critical interpretations. Expository composition skills will be polished and basic language skills will be reviewed.

Several smaller research projects are integrated within the literary and historical time periods. This course is an excellent college preparatory class.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

20TH CENTURY SCI-FI LITERATURE

Prerequisite: English I & English II

.5 Credit

This course will be a survey study of 20th-century science fiction and the authors who created this genre. This study will focus on novels, short stories, graphic novels, and screenplays. Students will explore the world of 20th-century science fiction by reading and discussing literature, researching authors, and connecting 20th-century predictions to the 21st century. Students will be assessed through quizzes, participation, unit essays, group presentations, and a short research paper.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.



COURSE DESCRIPTIONS

LANGUAGE ARTS DEPARTMENT

READING FOR THE REAL WORLD

Prerequisite: English I, English II, English III

.5 Credit

The focus of this semester English elective for seniors will be on both literature and writing. Students will study classical and British literature with an emphasis on chronological developments, period influences, author analysis, and critical interpretations. Expository composition skills will be polished and basic language skills will be reviewed.

Several smaller research projects are integrated within the literary and historical time periods. This course is an excellent college preparatory class.

- Satisfies English graduation requirements.
- DOES NOT satisfy Kansas Scholars Curriculum or NCAA requirements.

ACT PREP

Prerequisite: 9th & 10th Grade

.5 Credit

ACT Prep is a course taught jointly by the English and Math Department designed to help students prepare for the ACT test. This class is designed for Juniors and Seniors who will take the ACT for the first time as well as those who wish to improve on scores previously earned on the ACT. Well-prepared students are more likely to score higher on the ACT, which may increase their chances of receiving scholarships and enable them to have more options when selecting a college. Students will learn test-taking strategies, review test content, take practice tests and discover ways to reduce test anxiety

- Does NOT Satisfy English graduation, Kansas Scholars Curriculum, and NCAA requirements.

COLLEGE PREP COMPOSITION

Prerequisite: English I & II

.5 Credit

In this semester course, students will write five types of essays. Students will work to improve their skills in idea development, organization, voice, sentence fluency, word choice, and conventions. This course is highly recommended for students interested in improving their writing skills before college.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements.

NOT CURRENTLY OFFERED

21ST CENTURY JOURNALISM

Prerequisite: None

.5 Credit

This course takes an in-depth look into the world of journalism. From the creation of the free press to the creation of instant global news, students learn what it takes to become modern-day journalist. This course covers rules, laws, and ethics that create the foundation of journalism. Students will also learn the different styles of journalism, such as breaking news, editorials, sports, feature writing, writing for broadcasting, and more! While this class requires larger amounts of writing, the writing will progress as student skill levels progress. Students will learn what makes something newsworthy and how to share a story effectively without bias or persuasion. The objective of this class is to develop solid journalistic skills so students may advance to Yearbook Production. There will be times when students will be required to attend after-school events.

- Digital Media Pathway
- Satisfies English graduation requirements.
- DOES NOT satisfy Kansas Scholars Curriculum or NCAA requirements.

NOT CURRENTLY OFFERED

MTSS ENGLISH

Prerequisite: None

Multi-Tier System of Support (MTSS) is a program designed to assist students who need help on a collection of skills that students should learn and be able to perform at advancing levels in order to meet the foundational practice for language arts. Language arts foundational practices include speaking, reading, listening, and writing. MTSS will fill in English gaps or holes for students who have them and challenge students' thinking. Enrollment in this program will not replace the student's English class, but help enhance their skills to be more successful.

This is not a program that students can choose or decline to be in. They are placed in this class by their threshold or Tier III score on the FastBridge Assessment along with teacher recommendation.

- Does not satisfy English graduation, Kansas Scholars Curriculum, or NCAA requirements.



COURSE DESCRIPTIONS

LANGUAGE ARTS DEPARTMENT - COMMUNICATIONS

BCC PUBLIC SPEAKING

Prerequisite: English I

.5 Credit

This Butler Community College Dual Credit course will enable the student to communicate effectively through a variety of public speaking venues, utilizing nonverbal as well as verbal skills. The student will be able to critically assess information both on a verbal and research level. This course will enable students to recognize the importance of self-concept in oral communication, to interview effectively and to work in groups confidently.

Course Fee: BCC Tuition & Fees

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements. For the Class of 2028 and beyond, satisfies Communications requirement.

FORENSICS

Prerequisite: English I

.5 Credit

This is NOT Forensics Science like from CSI or Detective Show. This FORENSICS is the KSHSAA recognized sport of competitive Speech, Acting, and Improvisation. This Spring ONLY extracurricular activity helps students hone abilities in performing, public speaking, and communication. Students are required to work in and outside of the class, attend at least FOUR tournaments and COMPETE in TWO of the following events: Original Oration, Extemporaneous Speaking, Informative Speaking Poetry Interpretation, Prose Interpretation, Humorous Solo Acting, Serious Solo Acting, Duo Interpretation. Forensic competitions often occur on Saturdays, so weekend participation is required in this course.

For more information visit speech&debate.org.

- Spring Only
- For the Class of 2028 and beyond, satisfies Communication or Fine Arts graduation requirement.

SPEECH & COMMUNICATIONS

Prerequisite: None

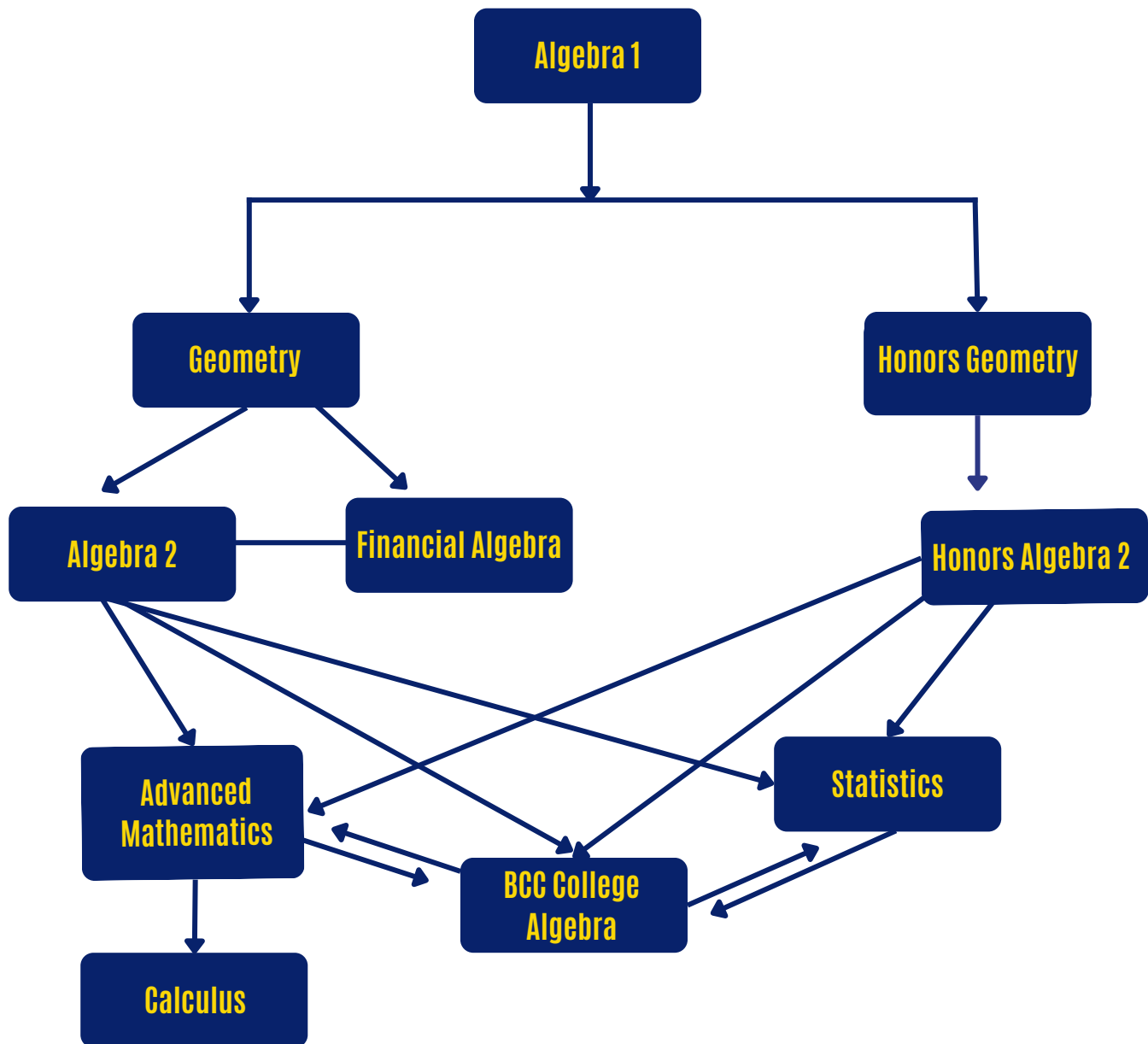
.5 Credit

This class focuses on what it means to be both a speaker and a listener. Students will take a hands-on approach to the various sides, styles, and basics of communications and giving speeches. Potential subjects or topics of discussion in the class include growing up, school itself, current events, or moments in history. All topics will be viewed under the lens of speech and communication.

- Satisfies English graduation, Kansas Scholars Curriculum, and NCAA requirements. For the Class of 2028 and beyond, satisfies Communications requirement.



MATH COURSES FLOWCHART





COURSE DESCRIPTIONS

MATH DEPARTMENT

ALGEBRA I

Prerequisite: None

1 Credit

In Algebra I, students work with integers, solve and graph linear and quadratic equations, and solve systems of equations in two variables. Other topics include writing equations of lines; solving inequalities; working with powers and exponents; adding, subtracting, multiplying, and factoring polynomials; simplifying radicals; and performing other operations with radicals.

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

GEOMETRY

Prerequisite: Algebra I

1 Credit

Plane Geometry is developed as a mathematical system treating points, lines, and planes as undefined terms. Deductive reasoning is introduced early in the course as the two-column deductive proof is developed. Congruent figures are treated in detail and similar polygons lead to a study of proportions. The Pythagorean Theorem and special right triangles are studied, as are properties relating to the circle. Students will find the perimeter and area of plane figures, and the surface area and volume of three-dimensional figures. Transformational geometry will also be studied.

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

HONORS GEOMETRY

Prerequisite: Algebra I & Teacher Recommendation

1 Credit

Honors Geometry covers all of the concepts of geometry such as deductive reasoning and proofs, congruent and similar figures, right triangles, perimeter, area, surface area, and volume. However, honors is more rigorous than Geometry making it ideal for students who excel in mathematics. Because of the advanced nature of the class, the pace through these topics will be quicker leaving more time to delve deeper into certain topics with enrichment activities. For example, the units on logic and reasoning, transformations, and circles will be extended with less time spent on review of concepts students are expected to master in Algebra II in addition, concepts from future courses such as vectors, probability, and parabolas may be introduced.

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

FINANCIAL ALGEBRA

Prerequisite: Algebra I, Geometry, & Teacher Recommendation

1 Credit

Financial Algebra is a math class where students learn to connect algebra to real life. This algebra based and technology- oriented course covers these topics: investing, banking, credit, income taxes, insurance and household budgeting. Algebra mechanics and problem-solving skills are reviewed and applied throughout the course. Advanced mathematics topics such as piecewise functions, regression, limits, exponential functions, and linear/ quadratic systems are introduced as well. Students will be earning, spending, saving and investing for the rest of their life, and this class will give them the understanding and confidence to manage their money.

- Satisfies math graduation requirements.

ALGEBRA II

Prerequisite: 9th Grade & Geometry

1 Credit

Students in Algebra II will advance their study of basic algebra concepts including real numbers, linear equations and inequalities, systems of linear equations and inequalities, polynomials and polynomial functions, quadratic equations, powers, roots and radicals. In addition, students will work with exponential, logarithmic, rational functions. Probabilities, permutations, and combinations will also be covered.

Course Materials: TI-8 3 or higher Graphing Calculator required

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

HONORS ALGEBRA II

Prerequisite: Geometry or Honors Geometry & Teacher Recommendation

1 Credit

Honors Algebra II covers all of the concepts traditionally covered in Algebra II such as linear equations and inequalities, systems of linear equations and inequalities, polynomials and polynomial functions; quad ratio equations; powers, roots and radicals; exponential, logarithmic and rational functions; probability, permutations and combinations. However, Honors is more rigorous than Algebra II making it ideal for the student who excels in mathematics. Because of the advanced nature of the class, the pace through these topics will be quicker, leaving more time to delve deeper into certain topics with enrichment activities.

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.



COURSE DESCRIPTIONS

MATH DEPARTMENT

ADVANCED MATHEMATICS

Prerequisite: 9th Grade, Geometry & Algebra II

1 Credit

This course is the study of trigonometry which includes, but is not limited to, circular functions, degree and radian measure, trigonometric identities, graphs of the six trig functions, and oblique triangles. In Advanced Mathematics, students will also study the following topics: Conic sections and their graphs; graphing on the polar coordinate plane, vectors, matrices; and geometric sequences and series. Students who plan to pursue a career in the math/science field should consider taking this course.

Course Materials: TI-83 or higher Graphing Calculator required

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

BCC COLLEGE ALGEBRA

Prerequisite: 9th Grade

1 Credit

This Butler Community College Dual Credit course will enable the student to interpret mathematical symbols and notation, simplify expressions, factor polynomials, solve equations including absolute value, quadratic and systems of linear equations, perform operations on radical expressions, write equations of lines and evaluate functions. The successful student will begin to conceptualize abstract ideas.

Course Materials: TI-8 3 or higher Graphing Calculator required

- Requires qualifying scores on ACT or Accuplacer Test.
- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

STATISTICS

Prerequisite: 9th Grade & Algebra II

.5 Credit

Using statistics and understanding statistical methods have become necessary skills in virtually every profession. This course helps students understand basic statistical techniques and apply them in real-life situations. Topics covered include probability, combinatorial methods, conditional probability and independence, descriptive statistics, binomial and Poisson distributions, random variables and measures of central tendency, and variance. Students will also learn various ways to collect and organize data.

Course Materials: TI-8 3 or higher Graphing Calculator required

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

CALCULUS

Prerequisite: 9th & 10th Grade, Advanced Math (or concurrent enrollment)

1 Credit

This course will follow the outline of a typical college-level Calculus I course. There will be a review of pre-calculus followed by the following topics: limits and their properties, differentiation, applications of differentiation, and integration. Students will discover why we need calculus to solve real-life problems and will develop methods to solve them.

Course Materials: TI-8 3 or higher Graphing Calculator required

- Satisfies math graduation, Kansas Scholars Curriculum, and NCAA requirements.

MTSS - MATH

Prerequisite: Concurrent Enrollment in Algebra I or Geometry

MTSS is a program designed to help those who need to build fluency and automaticity in math skills. MTSS will fill in math gaps or holes for students who have them and challenge students' thinking. This program will not replace the student's math class, but help enhance their skills to be more successful.

This is not a program that students can choose or decline to be in. They are placed in this class by their threshold or Tier III score on the FastBridge Assessment along with teacher recommendation.

ALGEBRA ASSIST

Prerequisite: Concurrent Enrollment in Algebra I, By placement only

.5 Credit

Supplemental course, designed to be taken in addition to or in coordination with the Algebra I course, provide instruction to assist students in acquiring mathematic skills so that students attain necessary class-level skills or reach a desired competency level.

This is not a class that students can choose or decline to be in. They are placed in this class by their threshold or Tier II score on the FastBridge Assessment along with teacher recommendation.

- DOES NOT satisfy math graduation, Kansas Scholars Curriculum, or NCAA requirements.



SCIENCE COURSES FLOWCHART

Physical Science

Biology 1

Chemistry 1

Biology 2

Chemistry 2

Physics
with Algebra II completed

Human Anatomy & Physiology

With the completion of Physical Science, students may take Biology 1 and Chemistry 1 simultaneously.

Chemistry 1

with teacher recommendation

Biology 1

Chemistry 2

Human Anatomy & Physiology

Physics

with Algebra II completed

Biology 2

KANSAS SCHOLARS CURRICULUM
CHEMISTRY 1, BIOLOGY 1, PHYSICS



COURSE DESCRIPTIONS

SCIENCE DEPARTMENT

PHYSICAL SCIENCE

Prerequisite: None

1 Credit

This science course is designed to familiarize students with physical science and other related science areas. This is a full-year course that will focus on topics such as atomic structure, chemical bonding, Newton's Laws of Motion, types of energy, ecosystems, plate tectonics, parts of our solar system, and layers of the atmosphere. Laboratory activities will be included throughout both semesters.

- Satisfies science graduation and NCAA requirements.
- Physical Science credit

CHEMISTRY I

Prerequisite: 9th with teacher recommendation and Algebra I, 10th

1 Credit

This course is for college-bound students to study the basic principles of chemistry. Laboratory experiments and problem-solving are stressed. This course emphasizes the study of atomic structure, quantum mechanics, nomenclature, chemical formulas, chemical equations, solutions, the periodic table, and the chemical and physical properties of some elements and compounds.

- Health Science Pathway
- Satisfies science graduation, Kansas Scholars Curriculum and NCAA requirements.
- Physical Science credit

CHEMISTRY II

Prerequisite: 9th Grade, & Passing Grade in Chemistry I

1 Credit

This course is an extension of the principles and concepts learned in Chemistry I. Advanced laboratory skills and problem-solving are stressed. This course emphasizes the kinetic theory, the study of the four states of matter and their characteristics, energy changes, chemical reactions, solutions, nuclear chemistry, and organic chemistry.

Course Materials: Scientific calculator required

- Satisfies science graduation and NCAA requirements.
- Physical Science credit

BIOLOGY I

Prerequisite: 9th Grade

1 Credit

This course covers the major unifying themes of biology. Cell structure and function is covered in detail, including the biochemistry of cell processes. The mechanisms of cell division to sustain organisms and to pass heritable traits to offspring are learned, as are the basic laws of inheritance, genetics, and advanced genetic principles. The course also explores the concepts of natural selection, biodiversity and ecosystems.

- Health Science Pathway
- Satisfies science graduation, Kansas Scholars Curriculum and NCAA requirements.
- Life Science credit

BIOLOGY II

Prerequisite: Passing Grade in Biology

1 Credit

This course is an extension of the concepts and processes learned in Biology I. Emphasis will be placed on increasing complexity and diversification of organisms over geologic time, selective processes that drive genetic changes, a survey of the major phyla of animals, and ecosystem dynamics.

- Satisfies science graduation and NCAA requirements.
- Life Science credit

HUMAN ANATOMY & PHYSIOLOGY: THE HUMAN ORGANISM

Prerequisite: 9th & 10th Grade, & Passing Grade in Biology I & Chemistry I

1 Credit

This challenging course focuses on the physiology and anatomy of humans. Any student with a strong interest in science and/or health-related professions should consider this course. Systems of the body will be explored using a project or topic-based approach. We will learn about physiology (and the underlying anatomy) via lectures, discussions, presentations, demonstrations, and labs.

- Health Science Pathway
- Satisfies science graduation and NCAA requirements.
- Life Science credit



COURSE DESCRIPTIONS

SCIENCE DEPARTMENT

PHYSICS

Prerequisite: 9th & 10th Grade & A or B in Chemistry I & Algebra II

1 Credit

This is an advanced science class that examines the basic physics concepts which form a foundation for most careers in engineering, technology, and science. Advanced laboratory skills and problem-solving are stressed. Students will engage in systematic investigations that will help them understand the universe around them. Students will carry out investigations and collect data with an emphasis being placed upon the study of motion, forces, vectors, energy, momentum, thermodynamics, optics, and simple machines.

- Satisfies science graduation, Kansas Scholars Curriculum and NCAA requirements.
- Physical Science credit

BCC CERTIFIED NURSE AIDE

Prerequisite: 9th Grade

1 Credit

This course will enable the student to learn basic nursing skills and concepts of aging through classroom and clinical experience. The student will follow the guidelines of the Kansas Department of Health and Environment (KDHE), in order to prepare to take the Kansas Certified Nurse Aide examination and work in Kansas Nursing Homes.

- [Health Science Pathway](#)
- [Requires qualifying GPA or scores on Accuplacer Test.](#)



COURSE DESCRIPTIONS

SOCIAL STUDIES DEPARTMENT

WORLD HISTORY

Prerequisite: 9th Grade with teacher recommendation or 9th Grade

1 Credit

This course covers the time period from early world history to the Cold War. All areas of the world are included in this study. First semester topics include an introduction to world cultures and religions, the ancient civilizations, the Renaissance and Reformation, the exploration and conquest of Asia and the Americas, the absolute monarchs of Europe, and the American and French Revolutions. Second semester topics include: the Industrial Revolution, Imperialism, World War I, the Russian Revolution, India's independence movement, World War II, and an overview of the Cold War. This course will involve classroom discussion, multimedia presentations, group and individual activities.

- Satisfies Social Studies graduation, Kansas Scholars Curriculum and NCAA requirements.

AMERICAN HISTORY

Prerequisite: Passing grade in World History

1 Credit

This course begins with a review of early American history and continues to present day. First semester topics include the foundations of our country and government, Civil War Reconstruction, and the late 1800s-early 1900s. Second-semester topics include a review of WWI, the Roaring Twenties, the Great Depression, a review of WWII, an emphasis on the Cold War era, and the Civil Rights Movement. This course will involve classroom discussion, multimedia presentations, and group and individual activities.

- Satisfies Social Studies graduation, Kansas Scholars Curriculum and NCAA requirements.

HONORS AMERICAN HISTORY

Prerequisite: A or B in World History,
Teacher Recommendation required

1 Credit

Honors American History includes a review of early American history and continues to present day. First semester topics include the foundations of our country and government, Civil War Reconstruction, and the late 1800s-early 1900s. Second-semester topics include a review of WWI, the Roaring Twenties, the Great Depression, a review of WWII, an emphasis on the Cold War era, and the Civil Rights Movement. The pace of this course will progress more quickly and in more depth than a regular American History course and include more extensive work in reading and writing. Students must earn a "C" in Honors American History during first semester in order to continue in the class second semester.

- Satisfies Social Studies graduation, Kansas Scholars Curriculum and NCAA requirements.
- Dual Credit course

AMERICAN HISTORY 3

Prerequisite: Passing grade in American History
.5 Credit

This course picks up in the 1970s following the Civil Rights movement to the present day. Topics covered include Gulf War, September 11, 2001 terrorist attacks, historic presidential elections, and economic turmoil. This course involves classroom discussion, multimedia presentations, and group and individual activities.

- Satisfies Social Studies graduation, Kansas Scholars Curriculum, and NCAA requirements.

AMERICAN GOVERNMENT

Prerequisite: Passing grade in American History
.5 Credit

American Government is a detailed look at the inner workings of our governmental system. We will compare democracy to other types of governments from around the world, review the foundations of our governmental system, take an in-depth look at the construction of the constitution, and the branches of government, the interaction between federal, state and local levels of governments, political parties, voting, the electoral process and how the media and interest groups influence our government. Current government issues will also be discussed as they arise during the course of the semester.

- Satisfies Social Studies graduation, Kansas Scholars Curriculum and NCAA requirements.



COURSE DESCRIPTIONS

SOCIAL STUDIES DEPARTMENT

BCC AMERICAN FEDERAL GOVERNMENT

Prerequisite: Passing grade in American History

.5 Credit

This online course will enable the student to apply knowledge of American politics to individual life and the political system that affects citizens. The student will study federalism, including the Constitution, civil liberties, political socialization, the media, political parties, the branches of government, and foreign policy. The student will recognize the concerns of diverse populations, relationships between the federal government and current events, and how they impact his/her life.

Course Fee: BCC Tuition & Fees

- **Satisfies Social Studies graduation, Kansas Scholars Curriculum, and NCAA requirements.**
- **Requires qualifying GPA or scores on Accuplacer Test.**

INTRO TO PSYCHOLOGY

Prerequisite: None

.5 Credit

This semester course is designed to introduce students to the biological and theoretical foundations of psychology. The course will encourage students to develop analytical skills, conduct research, investigate the mind-body connection, analyze concepts of consciousness, evaluate theories of personality, develop an understanding of psychological disorders, evaluate the role and effectiveness of treatments and analyze theories of intelligence. Students will be expected to demonstrate their understanding of psychology through various projects, discussions, tests, and assignments. This class should be considered a class that will better prepare you for college psychology, should you decide to take it.

- **Satisfies Social Studies graduation and NCAA requirements.**

BCC GENERAL PSYCHOLOGY

Prerequisite: 9th Grade

.5 Credit

This Butler Community College Dual Credit course will enable the student to apply the knowledge they gain about topics including the biological basis of behavior, sensation, learning, cognition, intelligence, motivation, development, personality, psychological disorders, and social psychology to their lives. The student will be able to use knowledge of the discipline and the critical thinking skills gained from this course to enhance the quality of life as the student interacts with others.

Course Fee: BCC Tuition & Fees

- **Satisfies Social Studies graduation and NCAA requirements.**

WORLD CULTURES

Prerequisite: None

.5 Credit

World Cultures will examine the history, politics, economics, society, and/or culture of different regions around the world, such as Africa, North & South America, the South Pacific, Southeast Asia, and the Middle East.

- **Satisfies Social Studies graduation, Kansas Scholars Curriculum, and NCAA requirements.**

CURRENT EVENTS

Prerequisite: None

.5 Credit

This course enables students to study political, economic, and social issues currently facing the United States and the world. The class will focus on current issues and enable students to examine issues they might be interested in, and look at historical causes or possible solutions. The class will encourage discussion, respectful disagreements, and critical thinking.

- **Satisfies Social Studies graduation, Kansas Scholars Curriculum, and NCAA requirements.**

BCC SOCIOLOGY

Prerequisite: 9th Grade

.5 Credit

This Butler Community College Dual Credit course will enable the student to apply the knowledge they gain about topics including the biological basis of behavior, sensation, learning, cognition, intelligence, motivation, development, personality, psychological disorders, and social psychology to their lives. The student will be able to use knowledge of the discipline and the critical thinking skills gained from this course to enhance the quality of life as the student interacts with others.

Course Fee: BCC Tuition & Fees

- **Satisfies Social Studies graduation and NCAA requirements.**



COURSE DESCRIPTIONS

WORLD LANGUAGE DEPARTMENT

FRENCH I

Prerequisite: None

1 Credit

French I students will learn basic communication skills, including speaking, listening, reading, and writing. Students will explore the Francophone (French-speaking) world and its customs. Listening skills are a must for student success. Students will be expected to study outside of class in order to develop a strong foundation in French. Strong memorization and imaginative skills are required. Students will learn through lectures, films, games, puzzles, hands-on activities, group activities, dialogue, and presentations. An emphasis will be placed on speaking French in the classroom and students will be encouraged to speak French outside the classroom when given the opportunity. Homework will be assigned regularly and both oral and written tests will be used to evaluate the students' progress.

- Satisfies Kansas Scholars Curriculum and NCAA requirements.

FRENCH II

Prerequisite: Passing Grade in French I

1 Credit

This course is a continuation of French I and will begin with a review of skills acquired in French I. Students will continue to refine their French skills as well as learn new skills. Students will continue to learn about Francophone (French-speaking) areas around the world. The past and near future tenses will be covered in this class. Students will be expected to study outside of class due to a large amount of new material learned. Participation in class is necessary for a passing grade. Students can expect regular homework assignments as well as oral and written evaluations.

- Satisfies Kansas Scholars Curriculum and NCAA requirements.

FRENCH III

Prerequisite: Passing Grade in French II

1 Credit

French III students will do more activities in the target language. The teacher will speak primarily in French and students will be expected to do the same. Students will receive homework assignments regularly and use in-class activities to practice the French language. Students will be encouraged to use French outside the classroom by completing research tasks and reading short stories. There will be more cultural activities, short stories discussed in French, and productions of skits and videos in French. Speaking and building complex phrases will be the focus. Written and spoken forms of evaluation will be used in this course. By the end of French III, students will have had all the necessary basics of the French language.

FRENCH VI

Prerequisite: Passing Grade in French III

1 Credit

French IV focuses on advancing students' skills and abilities to read, write, speak, and understand the French language so that they can maintain simple conversations with sufficient vocabulary and an acceptable accent, have sufficient comprehension to understand speech spoken at a normal pace, read uncomplicated but authentic prose, and write narratives that indicate a good understanding of grammar and a strong vocabulary



COURSE DESCRIPTIONS

WORLD LANGUAGE DEPARTMENT

SPANISH I

Prerequisite: None

1 Credit

Spanish I students will learn basic communication skills, including speaking, listening, reading, and writing. Cultural insights into the Hispanic world will be explored. Listening skills are a must for student success. Strong memorization and imaginative skills are required. Students will learn through lectures, films, games, puzzles, hands-on activities, group activities, dialogue, and presentations. An emphasis will be placed on speaking Spanish in the classroom and students will be encouraged to speak Spanish outside the classroom when given the opportunity. Homework will be assigned regularly and both oral and written tests will be used to evaluate students' progress.

- Satisfies Kansas Scholars Curriculum and NCAA requirements.

SPANISH II

Prerequisite: Passing Grade in Spanish I

1 Credit

This course is a continuation of Spanish I and will begin with a review of skills acquired in that course. Students will continue to widen, refine and learn new skills concerning the Spanish language. Students will continue to learn and understand more about the various His-panic cultures. Listening is still a must and students will continue to learn through similar methods and activities used in Spanish I. Students will be expected to continue to speak Spanish at every opportunity. Students can expect regular homework assignments and both oral and written evaluations.

- Satisfies Kansas Scholars Curriculum and NCAA requirements.

SPANISH III

Prerequisite: Passing Grade in Spanish II

1 Credit

This course will continue with the study of the Spanish language, culture, and history. Expressing yourself in Spanish is a must, either written or spoken. A variety of activities will be used including short stories and magazine articles that students read to deepen and apply their knowledge of Spanish. Students will have written, spoken, and online quiz evaluations. This course is for the serious and highly motivated student, and for the student who plans to continue studying Spanish after high school.

SPANISH VI

Prerequisite: Passing Grade in Spanish III

1 Credit

This course will continue with the study of the Spanish language, culture, and history through a combination of conversational study and presentation, further study of grammar and composition, short stories, and poetry. A variety of activities will be used and students can expect regular homework and both oral and written evaluations. Speaking Spanish will be a requirement in the class. This will be reflected in the daily grade. Students will also have the opportunity to work with elementary children. This course is for the serious and highly motivated student, and for the student who plans to study Spanish after high school.

Enrollment Requirements also include three years HS Spanish with passing grade or completion of Spanish 3 with a passing grade and HS cumulative unweighted GPA of 3.0 as a junior or senior; or ACT reading 15 or higher and ACT writing 18 or higher; or Accuplacer placement of 255 on both reading and writing.



COURSE DESCRIPTIONS

PHYSICAL EDUCATION DEPARTMENT

Students at CHS are required to earn one unit of credit in physical education and health while in the 9th grade. They may choose between Freshman P.E. or Intro to Sports Performance. Read both course descriptions carefully before making this choice.

FRESHMAN P.E.

Prerequisite: None

.5 Credit

The purpose of the class is two-fold: first, to encourage healthy lifestyles and promote lifelong fitness, and second, to develop well-rounded students that exhibit positive habits in the areas of leadership, communication, teamwork, and personal responsibility. After completing the course, students will have background knowledge in the areas of leadership/communication; demonstration of rules, strategies, and skills of various sports; opportunities to develop healthy habits and a lifestyle of continued physical activity.

- 9th-grade requirement

INTRO TO SPORTS PERFORMANCE

Prerequisite: None

.5 Credit

This course is beneficial to all students but is designed with our Thunderbird student-athletes in mind. The purpose of the class is two-fold; first, to encourage healthy lifestyles and promote lifelong fitness, and second, to develop well-rounded student-athletes and improve overall athletic performance.

Requirements: Physical /Medical Clearance on file in CHS Office from Medical Professional after May 1 of the previous year.

- 9th-grade requirement

HEALTH

Prerequisite: None

.5 Credit

The purpose of the class is two-fold; first, to encourage healthy lifestyles and promote lifelong fitness; and second, to develop well-rounded students that exhibit positive habits in the areas of leadership, communication, teamwork, and personal responsibility. After completing the course, students will have background knowledge in the areas of leadership/communication, nutrition and wellness, as well as healthy choices and relationships. Students will also be taught basic first-aid and life-saving skills, such as CPR, and the use of an AED; as well as practice introductory/basic skills of self-defense.

- 9th Grade requirement

ADVANCED TEAM SPORTS

Prerequisite: Freshman P.E. or Intro to Sports Performance

.5 Credit

This class will focus on the maintenance and enrichment of many of the basic skills introduced in Health & Fitness, as well as introduce several new skills. Activities will include soccer, softball/wiffleball, flag/touch football, volleyball, floor hockey, basketball, and other team sports. All students will be required to take a battery of physical fitness tests at the beginning of the semester.

- This class can only be taken once a year
- For Continued Enrollment: Students must earn a "C" or higher in the previous semester of any Physical Education course.

LIFETIME FITNESS

Prerequisite: 9th grade, Freshman P.E. or Intro to Sports Performance

.5 Credit

Lifetime Fitness is a class designed on the High-Intensity Interval Training (HIIT) model. This class will focus on cardiovascular aerobic training in a variety of formats that will include treadmills, exercise bikes, and elliptical machines. Step aerobics, kickboxing, and a variety of methods used to promote cardiovascular fitness will also be incorporated. This class follows a very "boot-camp" based exercise routine.

- For Continued Enrollment: Students must earn a "C" or higher in the previous semester of any Physical Education course.



COURSE DESCRIPTIONS

PHYSICAL EDUCATION DEPARTMENT

SPORTS PERFORMANCE

Prerequisite: Intro to Sports Performance

.5 Credit

Sports Performance is a higher-level strength and conditioning class. Students will start by reviewing basic multi-joint movement patterns and quickly progress. Various types of warm-ups and cool downs will be learned to increase students' knowledge of how to best prepare their bodies for activity. Students will then further their understanding of resistance, plyometric, linear and lateral speed training exercises through motor learning with a major emphasis on using proper technique. Lastly, the students will be introduced to basic sports nutrition information and strategies and how it can enhance their overall health and performance.

Requirements: Physical / Medical Clearance on file in CHS Office from Medical Professional after May 1 of the previous year.

- **For Continued Enrollment: Must earn a "C" or higher in the previous semester of any Physical Education course.**

ZERO HOUR ADVANCED SPORTS PERFORMANCE

Prerequisite: By Teacher Approval

.5 Credit

Advanced Sports Performance is a higher-level strength and conditioning class that will be held before school from 6:35 AM to 7:35 AM. Students will start by reviewing basic multi-joint movement patterns & quickly progress. Various types of warm-ups and cool-downs will be learned to increase students' knowledge on how to best prepare their bodies for activity. Students will then further their understanding of resistance, plyometric, linear and lateral speed training exercises through motor learning with a major emphasis on using proper technique. Lastly, students will be introduced to basic sports nutrition information and strategies and how it can enhance their overall health and performance.

- **Enrollment: 10th, 11th, & 12th Grade for Fall Semester; 9th, 10th, 11th, & 12th for spring semester.**
- **All students must have their own means of transportation.**

SENIOR SPORTS PERFORMANCE

Prerequisite: 11th, 4 semesters of Sports Performance

.5 Credit

Senior Sports Performance is the third tier of our sports performance classes. Students will be challenged mentally & physically throughout the first semester with advanced workouts prescribed in the weight room & various lectures & assignments given. Starting 2nd semester students will learn how to write & prescribe a workout / basic nutrition plan based on their own personal goals. Lastly, students will be asked to assist in an Intro to Sports Performance class & shadow a professional in the health community.

- **For Continued Enrollment: Must earn a "C" or higher in the previous semester of any Physical Education course.**



COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT | DRAMA

FORENSICS

Prerequisite: English I

.5 Credit

This is NOT Forensics Science like from CSI or Detective Show. This FORENSICS is the KSHSAA recognized sport of competitive Speech, Acting, and Improvisation. This Spring ONLY extracurricular activity helps students hone abilities in performing, public speaking, and communication. Students are required to work in and outside of the class, attend at least FOUR tournaments and COMPETE in TWO of the following events: Original Oration, Extemporaneous Speaking, Informative Speaking Poetry Interpretation, Prose Interpretation, Humorous Solo Acting, Serious Solo Acting, Duo Interpretation. Forensic competitions often occur on Saturdays, so weekend participation is required in this course.

For more information visit speech&debate.org

- **Spring Only**
- **Satisfies Fine Arts or Communication graduation requirement.**

DRAMA I

Prerequisite: None

.5 Credit

This is an activity/participation based class for students interested in acting. You will learn the basics of theater and music theater, and the fundamentals of acting through performance based activities, games and assignments.

- **Satisfies Fine Arts graduation requirement.**

DRAMA PRODUCTION

Prerequisite: None

.5 Credit

Technical theater, sometimes called stagecraft, "involves all visual, mechanical, and auditory production aspects of theater that supplement the acting, writing, and directing." This class will provide students with basic knowledge of the areas of stagecraft, such as costuming, lights, props, set, etc, that do not involve performing. Students will come away with an appreciation of the various aspects of technical theater within the realm of theater history.

- **Satisfies Fine Arts graduation requirement.**

NOT CURRENTLY OFFERED

REPERTORY THEATER

Prerequisite: Passing Grade in Drama Production and Drama I

.5 Credit

If you enjoyed Drama Production and Drama Performance, and would like to get a chance to perform more, or put your technical skills to work through being a part of a full scale production, this is the class for you. The entire class is devoted to putting on a show from the rehearsal process, to working on the technical requirements such as props, costume and set. From casting and assigning designers and technical crews, the semester is devoted to putting on production(s).

- **Spring Only**
- **Satisfies Fine Arts graduation requirement.**

NOT CURRENTLY OFFERED



COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT | MUSIC

MIXED CHORUS

Prerequisite: None

1 Credit

This riser choir is open to any student who wants to participate in a singing group. Ninth-grade students must enroll in this choir in preparation for entrance into one of the select choirs. This group performs at all home concerts and competes in state contests. Previous musical experience is helpful, but not necessary. Students are required to attend all functions set up by the organization. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Purchase of polo shirt for performances required

- **Satisfies Fine Arts graduation requirements.**

CELEBRATION

Prerequisite: 9th Grade, One year HS Vocal Music

1 Credit

Celebration is a select show and riser choir with an enrollment between 16 and 24 singers/dancers with treble voices. This ensemble performs a variety of choral literature from traditional to show choir/jazz selections supported by a live combo. Members of Celebration will be busy with performances in the community and attending the regional and state music contests. Celebration combo members include keyboard, electric bass, trap set, guitar and auxiliary percussion/stage manager. Students are required to attend all functions set up. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Purchase of performance uniform & shoes required.

- **Selected by audition.**
- **Seniors who plan to graduate after 1st semester are not eligible for this choir.**
- **Satisfies Fine Arts graduation requirements.**

TBIRD SINGERS

Prerequisite: 9th Grade, One Year HS Vocal Music

1 Credit

This ensemble, consisting of tenor and bass voices, is a select riser choir intended to develop vocal techniques and the ability to sing parts in a small ensemble. Course goals include the development of solo singing ability and may emphasize one or several ensemble literature styles. This group performs at all home concerts and competes in regional and state contests. Students are required to attend all functions set up by the organization. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Purchase of performance uniform & shoes required.

- **Selected by audition.**
- **Satisfies Fine Arts graduation requirements.**

A CAPPELLA

Prerequisite: 9th Grade, One Year HS Vocal Music

1 Credit

A Cappella is a large, select group requiring individual audition. Challenging literature is sung and a strong emphasis is placed on vocal technique. A variety of performances, plus regional and state contests, are some of the highlights of the year. This group performs at all home concerts and competes in regional and state contests. Students are required to attend all functions set up by the organization. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Purchase of performance uniform & shoes required.

- **Selected by audition.**
- **Seniors who plan to graduate after 1st semester are not eligible for this choir.**
- **Satisfies Fine Arts graduation requirements.**

MADRIGALS

Prerequisite: 9th Grade, Two Years of Select Riser Choir

1 Credit

Madrigals is a select show choir with an enrollment between 16 and 24 singer/dancers. This ensemble performs a variety of choral literature from traditional madrigals to show choir/jazz selections. Members of Madrigals will be busy with performances in the community. Madrigal combo members include keyboard, electric bass, trap set, guitar and auxiliary percussion/ stage manager. Students are required to attend all functions set up by the organization. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Purchase of performance uniform and shoes required.

- **Selected by audition.**
- **Prerequisites may be waived by Choir Director and Counselor on an individual basis.**
- **Seniors who plan to graduate after 1st semester are not eligible for this choir.**
- **Satisfies Fine Arts graduation requirements.**



COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT | MUSIC

BAND

Prerequisite: None

1 Credit

Students in Band learn basic musicianship in the context of rehearsals and performances. Enrollment in Band involves participation in marching band, concert band, and pep band. Concepts and techniques taught in this course include marching fundamentals, concert etiquette, music history, music theory, instrument care/maintenance, and performance skills- including tone, intonation, balance, blend, rhythm, timbre, embouchure, sticking, style, and articulation. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Instrument and accessories, Band shirt approximately \$20 to \$30.

- **Satisfies Fine Arts graduation requirements.**

JAZZ BAND

Prerequisite: By Teacher Approval

1 Credit

Jazz Band is an auditioned performing group in which students will learn advanced musicianship in the context of rehearsals, and performances. Enrollment in Jazz Ensemble involves performance in multiple styles and performances at both festivals and local concerts in the Wichita-Metro Area. Students will learn about improvisation, jazz theory, jazz history and styles of jazz (including rock, funk, swing, bebop, Latin and ballads). Bass guitar, guitar and piano players may be enrolled only in Jazz Band with the permission of the band director. Due to the nature of this year-long course, students are not able to drop this course at semester.

Course Materials: Instrument with accessories. Brass players may need to purchase straight and cup mutes.

- **Satisfies Fine Arts graduation requirements.**



COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT | VISUAL

INTRO TO DRAWING

Prerequisite: None
.5 Credit

This course will offer an in-depth study of basic drawing principles. Students will work in a variety of monochromatic media, including graphite, charcoal, and ink pen. Students will also be introduced to color through the creation of a color wheel. Students will work directly from student models, local landscapes, and original photographs. Additionally, we will begin a formal study of the elements and principles of art, artists' styles, current jobs in the field of visual arts, and the visual process of critique.

- Satisfies Fine Arts graduation requirement.
- Graphic Design Pathway

PRINCIPLES OF ILLUSTRATION

Prerequisite: 9th Grade, Passing Grade in Intro to Drawing
.5 Credit

In this course, students will begin to develop compositional ideas on their own. Exploration of media, particularly color media, will be the main focus of this class. Media used may include colored pencil, tempera paint, watercolor paint, color prints, and/or acrylic paint. In addition, students will look at historical aspects of artists and their impact on our culture. We will continue to study the elements and principles of art, as well as begin to write final critiques of our own and others' work. Students will be expected to show in monthly and semester shows as a part of their criteria in the class.

- Satisfies Fine Arts graduation requirement.
- Graphic Design Pathway

ADVANCED TWO-DIMENSIONAL ART

Prerequisite: Passing Grade in Principles of Illustration
.5 Credit

This course is designed for students who have completed Introduction to Drawing and Principles of Illustration. Throughout the semester, students will choose a program of study and complete 3-4 projects in a given media for a portfolio assessment. Students will write formal critiques of famous artwork, as well as self-critiques of their own work. Students will also research several artists. Students will be expected to show in monthly and semester shows as a part of their criteria in the class. As there are several programs of study, this class can be taken several times.

- Satisfies Fine Arts graduation requirement.

THREE-DIMENSIONAL ART I

Prerequisite: None
.5 Credit

This course will emphasize design principles relative to three-dimensional space. The student will spend the majority of the semester working with clay, utilizing traditional hand-building techniques. Students will draw, design, and construct a variety of functional and non-functional vessels. Additionally, we will begin a formal study of the Elements and Principles of Art, the study of current and past artists' styles, current careers in the visual arts field, and the visual process of critique. Student shows and guest artists will be a part of our semester of study.

- Satisfies Fine Arts graduation requirement.

THREE-DIMENSIONAL ART II

Prerequisite: Passing Grade in Three-Dimensional Art I
.5 Credit

This class continues to explore three-dimensional concepts as we investigate different three-dimensional media. Students will work in paper, plaster, clay, etc. Advanced clay building techniques, such as wheel throwing, will be an integral part of the curriculum. In addition, students will study a variety of both traditional and contemporary artists. We will continue to study the elements and principles of art, as well as begin to write final critiques of our own and others' work. Students will be expected to show in monthly and semester shows as part of their criteria in the class.

- Satisfies Fine Arts graduation requirement.

ADVANCED THREE-DIMENSIONAL ART

Prerequisite: Passing Grade in Three-Dimensional Art II
.5 Credit

This course is designed for students who have completed Three-Dimensional Art I and II. Throughout the semester, students will choose a program of study and complete 3-4 projects in a given media for a portfolio assessment. Students will write final critiques of famous artwork, as well as self-critiques of their own work. Students will also research several artists. Students will be expected to show in monthly and semester shows as a part of their criteria in the class. As there are several programs of study, this class can be taken several times.

- Satisfies Fine Arts graduation requirement.



COURSE DESCRIPTIONS

FINE ARTS DEPARTMENT | VISUAL

GRAPHIC DESIGN FUNDAMENTALS

Prerequisite: None

.5 Credit

Graphic Design Fundamentals provide a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software, and equipment, and learning composition techniques to develop a quality product. Students will utilize Photoshop and other parts of the Adobe Suite to create unique works. Students will also study various careers in the Graphic Design Field.

- Satisfies Fine Arts graduation requirement.
- Digital Media & Graphic Design Pathway

GRAPHIC DESIGN

Prerequisite: 9th Grade, Passing Grade in Graphic Design Fundamentals & Teacher Approval

.5 Credit

Students will utilize artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. Topics covered will include concept design, layout, paste-up, and techniques such as engraving, etching, silkscreen drawing and cartooning, painting collage, and computer graphics.

- Satisfies Fine Arts graduation requirement.

PHOTO IMAGING

Prerequisite: None

.5 Credit

Do you need an art credit but lack the ability to sing, dance, draw, paint or write? Well, this is the course for you! Learn to express your artistic talents as a photographer. This course will teach students the basics of becoming a photographer. Students will learn to properly operate equipment and technology programs that are designed specifically for professional photographers. Students will work with school-provided equipment to help develop skills that promote creativity as well as story-telling.

- Articulates with Butler Community College
- Digital Media & Graphic Design Pathways
- Satisfies Fine Arts graduation requirements.

ADVANCED PHOTO IMAGING

Prerequisite: Photo Imaging I

.5 Credit

Students who excelled in Photo Imaging are encouraged to further their passion for photography in Advanced Photo Imaging. Students will develop more professional skills and practices used by today's photojournalists, documentarians, and portrait photographers. Skills include pre-production planning, advanced lighting techniques, and advanced editing techniques. Students will produce a professional style portfolio highlighting their talents. Students will be required to conduct and complete projects outside of regular school hours.

- Articulates with Butler Community College
- Digital Media & Graphic Design Pathways
- Satisfies Fine Arts graduation requirements.



COURSE DESCRIPTIONS

CONSORTIUM ELECTIVES, SPECIAL EDUCATION, SEMINAR

AIDE

Prerequisite: 11th Grade, By Application

.5 Credit

Circle High School seniors will assist staff members with various clerical and/or classroom duties. While responsibilities will vary according to staff assignment, a student may take roll, prepare bulletin boards, set up labs, operate office machines, file, deliver messages, and run errands. Students will be assigned to staff in the following areas: front office, teachers, library, and counselors. Students are allowed to be an Aide once a semester. Juniors can be an Aide during 2nd semester and must be approved by the Counselors and Teacher. Students will be graded on a Pass/Fail basis.

T-BIRD TUTOR

Prerequisite: 11th Grade, By Application

.5 Credit

Circle High School students assist teachers in elementary and middle school classrooms in numerous ways including making copies, putting up bulletin boards, and working with students. The opportunity to work with the students is based on positive behavior and attitude on the part of the CHS student and can involve art projects, reading practice, and homework support. This course is a follow-up to Intro to Teaching for those who are interested in pursuing a career in education and is a prerequisite for Teaching Internship.

*Special Note: Aide/T-bird Tutor assignments are based upon the student's prior academic performance, attendance, honesty and integrity, and the student's level of skill or ability to perform the necessary tasks associated with the assignment. Students will be assigned to an Aide/HOTI position and are limited to one block of each per semester.

SEMINAR

Prerequisite: None

.25 Credit

Seminar provides time for the students to study, read, make up tests, and get tutoring from teachers or peers. Seminar is held Monday-Friday. Students will receive a grade based on daily participation.

Seniors are required to attend seminar anytime they have a 2nd and 3rd block scheduled on the same day at the high school. If their 2nd block is scheduled off campus, they will use the seminar block to travel to the high school. If their 3rd block is scheduled off campus, they will use the seminar block to travel to their off campus location. During the second semester, seniors who are not required to have a seminar block due to their class schedule, will not have one scheduled.

COLLEGE & CAREER READY INTERNSHIP

Prerequisite: 11th Grade

.5 Credit

The internship requires a full semester commitment and allows students to explore their career interests and gain valuable work experience. Preparing students for the work environment is a critical component of their educational experience. Students will be matched with a career/business mentor and will require logging their hours. Students must apply to the program. Enrollment in this course is pending based on an application, attendance, and interview. For further information, contact Mrs. Crawford, the College & Career advocate in the counseling office.

Career and Technical Education (CTE) Internships

- Finance Internship
- Business Internship
- Community Connections Internship
- Teaching Internship
- Health Internship
- Early Childhood Internship
- Digital Media Internship
- Graphic Design Internship
- Construction Internship
- Engineering Internship
- Manufacturing Internship

LEARNING LAB

Prerequisite: By Placement Only

.5 Credit

This class is designed to meet the needs of students with disabilities as defined on their individualized educational plans. Classroom assignments will be given as necessary. Students will also explore careers and educational opportunities which meet their individual interests and abilities.

VOCATIONAL WORK RELEASE

Prerequisite: 9th Grade, By Placement Only for Students with IEPs

.5 Credit

This class gets students into the workforce. Students will apply skills to find and maintain a job. Students will be evaluated by their employer and will receive a pass/fail grade upon documentation of a set amount of hours per credit (70 hours of work equals one-half credit). Enrollment in the class will be reviewed each semester.



COURSE DESCRIPTIONS

BUSINESS DEPARTMENT

FINANCIAL LITERACY

Prerequisite: 10th Grade

.5 Credit

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.

- **Satisfies Financial Literacy graduation requirement starting with the Class of 2026**

BUSINESS COMMUNICATIONS

Required 9th Grade through Class of 2025

.5 Credit

This introductory course will teach students to communicate in a clear, courteous, and concise manner on both personal and professional levels. Competency will be developed in oral, written, interpersonal, technological, and employment communication with a focus on skills using Google docs, sheets, and slides. Listening skills will be incorporated throughout the semester. The overriding goal is to provide students with the business communication skills necessary in today's world.

- **Business Finance and Business Management & Entrepreneurship Pathways**

SPORTS & ENTERTAINMENT MARKETING

Prerequisite: None

.5 Credit

Have you ever wondered what it takes to bring a concert to town or host a college basketball game? Scheduling and publicizing the event, selling tickets, ordering promotional merchandise such as tee-shirts, hats, etc., and arranging for necessary equipment and supplies are all part of the work that must be done well before the event takes place. Sports and Entertainment Marketing will allow students the opportunity to learn about these things and more. What types of events would be most profitable? How does a star's earning power affect marketing techniques? What forms of advertising are most effective? Learn the answers in this class!

- **Digital Media Pathway**

EVENT PLANNING & MANAGEMENT

Prerequisite: None

.5 Credit

This course covers the day-to-day dynamics of coordinating a successful professional meeting or event. Participants will discuss best practices in on-site management, and learn the standard techniques used to coordinate and manage meeting and event planning. Students will plan and coordinate a variety of fictional events including birthday parties, graduation parties, school carnivals, and even their own wedding.

- **Restaurant & Event Planning Pathway**

COMPUTER GRAPHICS

Highly Recommended: Business Communications

1 Credit

This course is an extension of Business Communications and allows the student to produce a publication-quality document. This course utilizes software to combine text, graphics, and sound to produce a finished document. This course will introduce students to various software and focus on animations, image editing, and video editing.

- **Graphic Design Pathway**

BUSINESS ECONOMICS

Prerequisite: None

.5 Credit

This semester course covers banking, investing, income tax, insurance, and bookkeeping. It is a practical course designed to help the student handle everyday business activity.

- **Business Finance and Business Management & Entrepreneurship Pathways**

BUSINESS LAW

Prerequisite: 9th Grade

.5 Credit

This semester course is designed to make the student more aware of our constantly changing legal system. Every person, regardless of occupation, is constantly affected by our laws; therefore, everyone needs a better understanding of legal rights and responsibilities. We will emphasize the sections concerning the individual rather than business. Topics discussed will be types of laws, ethics, criminal law, civil law, contract laws, juvenile laws, and laws pertaining to everyday life.

- **Business Finance and Business Management & Entrepreneurship Pathways**



COURSE DESCRIPTIONS

BUSINESS DEPARTMENT

BANKING & FINANCE

Prerequisite: 9th, with passing grade in Entrepreneurship I, Accounting, or Business Economics

.5 Credit

Banking and Finance courses provide students with an overview of the American monetary and banking system as well as the types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

- [Business Finance Pathways](#)

INVESTING

Prerequisite: 10th, with passing grade in Banking & Finance

.5 Credit

This course introduces students to the world of investing. It emphasizes the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stocks, bonds, and mutual funds. Stock market games will be incorporated into the course. Students will learn how to make their money work for them to achieve financial security in their adult years.

- [Business Finance Pathways](#)

ACCOUNTING

Prerequisite: Algebra 1

1 Credit

This course teaches basic accounting theory, terms, and accounting procedures for a sole proprietorship, a partnership, service, and retailing business. Theory and practical applications are both stressed. Problems and business simulations are used to help give students an overall picture of how they would utilize these skills in a business setting.

- [Prerequisite for Finance Internship](#)
- [Articulates with Butler Community College](#)
- [Business Finance Pathway](#)

ADVANCED ACCOUNTING

Prerequisite: Passing Grade in Accounting

1 Credit

This course includes advanced work and practice on the skills mastered in Accounting A & B and specialized accounting theory in partnerships, corporations and voucher systems. Business simulations and the computer will be incorporated into the accounting procedure.

- [Articulates with Butler Community College](#)
- [Business Finance Pathway](#)

WEB PAGE DESIGN

Prerequisite: Junior or Senior & Passing Grade in Business Communications & Graphic Design

1 Credit

Students in this class will maintain and continue to develop the CHS web page on the Internet. In addition to learning how to use the software programs, students will research and gather information from various departments in the school. Students must work well as a team and have a solid foundation in computer applications and the Internet.

- [Business Management & Entrepreneurship Pathway](#)

ENTREPRENEURSHIP I

Prerequisite: 9th Grade

.5 Credit

This class is a valuable experience for students interested in developing and running their own businesses. After an introduction of self-discovery and basic economic principles, students learn the fundamentals of market-based management and business development. Students will choose a business and develop a business plan. Topics included in the business plan will be description, mission statement and goals, management, customer profile, financial documents along with some business documents related to the plan.

- [Articulates with Butler Community College](#)
- [Business Finance and Business Management & Entrepreneurship Pathways](#)

FOUNDATIONS OF TRAVEL & TOURISM

Prerequisite: None

.5 Credit

This course will assist students in charting a career path in one of the world's largest industries...travel and tourism. It will look at the different segments of the tourism industry and explore careers that the industry offers. It looks at the economic impact and the ramifications of development on the economy. Students will also explore emerging trends and the impact of technology.

- [Restaurant & Event Management Pathways](#)



COURSE DESCRIPTIONS

FAMILY & CONSUMER SCIENCE DEPARTMENT

CAREER & LIFE PLANNING

Prerequisite: None
.5 Credit

This course is designed to help students develop basic skills for everyday living and work. They will gain knowledge, attitudes, and behaviors necessary to be successful in families, careers, and communities. This course will include goal setting, decision making, personal growth, money management, and communication skills. Students will explore relationships and leadership roles. Throughout this course, students will work in a group setting and experience hands-on activities. It is a practical course for both males and females and is a prerequisite for the upper-level Human Services/Family and Consumer Science courses. This course will be offered first semester.

Required Materials: Binder Notebook

- [Restaurant & Event Management; Graphic Design; Family, Community & Consumer Services; Teaching & Training; Early Childhood Development & Services Pathways](#)

It is recommended that Intro to Family and Consumer Sciences and Career and Life Planning both be taken the same school year.

INTRO TO FAMILY & CONSUMER SCIENCE

Prerequisite: Passing Grade in Career & Life Planning
Recommended
.5 Credit

This class is an introductory class designed to help students develop basic skills for everyday living. They will gain knowledge, attitudes, and behaviors necessary to be successful in families, careers, and communities. Students will develop critical thinking skills while using nutrition information and learning ways to promote wellness. Students will also learn teamwork while developing cooking skills in a lab situation. Problem-solving and technical reading will be developed while working with computerized sewing technology to construct sewing projects. Throughout this course, students will work in a group setting and experience hands-on activities. This is a practical course for both males and females and is a pre-requisite for the upper-level Human Services/ Family and Consumer Science courses. This course will be offered second semester.

Required Materials: Binder notebook, sewing equipment, fabric for sewing projects.

- [Early Childhood Development & Services and Family; Community & Consumer Services Pathways](#)

WORLD OF FASHION

Prerequisite: Passing Grade in Introduction to Family & Consumer Sciences & Career & Life planning
.5 Credit

This class is designed for the student who wants to become advanced in sewing and fashions. Color and design, fabric and fibers, embroidery technology and sewing techniques are areas explored. Reading patterns, cutting fabric and constructing two sewing projects (one with a zipper and one with buttons) will finish out the semester.

Required Materials: Sewing equipment and fabric to make sewing projects.

FOODS FOR TODAY: NUTRITION & WELLNESS

Prerequisite: Passing Grade in Introduction to Family and Consumer Sciences and Career & Life Planning
.5 Credit

In this course, students will build upon the knowledge and techniques learned in Today's Living Skills (or Introduction to Family and Consumer Sciences). Emphasis will be placed on nutrition, healthy meals, preparing foods, and making wise choices at the grocery store. This course articulates with Butler Community College.

- [Articulates with Butler Community College](#)
- [Health Science Pathway](#)

CULINARY ESSENTIALS

Prerequisite: 9th Grade & Passing Grade in Foods For Today
.5 Credit

Do you like to cook? Do you think you might be interested in food service as a part-time job or a possible career? In this course, you will learn advanced methods of cooking, baking, and knife skills, dive deeper into the importance of food and kitchen safety and tackle more complex recipes and menus. This course will prepare students for occupations and for post-secondary programs of study related to culinary arts and the hospitality industry.

- [Restaurant & Event Management Pathways](#)



COURSE DESCRIPTIONS

FAMILY & CONSUMER SCIENCE DEPARTMENT

FAMILY STUDIES

Prerequisite: 9th Grade

.5 Credit

The Family Studies course is designed to encourage growth in the individual and to help cultivate skills for developing strong and healthy families. Concepts covered include problem-solving, balancing work and family, relationships, communication, and stress management. Students will explore the lifelong roles of a family member, parent, worker, citizen, and leader. This course articulates with Butler Community College.

- **Articulates with Butler Community College**
- **Early Childhood Development & Services and Family; Community & Consumer Services Pathways**

CAREER CONNECTIONS

Prerequisite: 9th Grade

.5 Credit

Career Connections is the application level course that enables the student to apply technical skills in a workplace experience, outside or within the school environment. Emphasis will be placed on the continued development and finalization of the student's portfolio which includes resume writing, exploration of careers, and job interview skills. Focus is on the world of work, job-seeking skills, and the retention of jobs needed to advance within the workplace. Students will apply decision-making, problem-solving, and management skills to aid them in balancing work, school, and personal life.

- **Early Childhood Development & Services, and Family; Community & Consumer Services Pathways**

HUMAN GROWTH & DEVELOPMENT

Prerequisite: None

.5 Credit

Students enrolled in Human Growth and Development will realize what it means to be a parent or caregiver. They will learn how to ensure a child's proper development, and how to promote physical, intellectual, emotional and social development from birth to pre-school age. This knowledge will be applied to design activities that are age and developmentally appropriate for children. Students will explore issues in balancing work and family, and examine ways to problem solve in today's society.

This class is for both males and females who plan to become parents or caregivers, who plan to pursue a career involving children, or who just enjoy being around children.

- **Articulates with Butler Community College**
- **Early Childhood Development & Services; Family, Community & Consumer Services Pathways**

FOUNDATIONS TO EARLY CHILDHOOD DEVELOPMENT

Prerequisite: 9th & 10th Grade With Passing Grade in Human Growth & Development

.5 Credit

Foundations of Early Childhood explores career opportunities in working with young children. Students will learn about the physical, intellectual, emotional, and social growth and development of children from conception to pre-school age. The course emphasizes applying this knowledge in child care settings. Other topics include observation skills, guiding learning experiences for children, and promoting children's safety. Students will observe and assist in local child care and preschool education programs.

- **Articulates with Butler Community College**
- **Early Childhood Development & Services Pathway**



COURSE DESCRIPTIONS

FAMILY & CONSUMER SCIENCE DEPARTMENT

EARLY CHILDHOOD APPLICATIONS

Prerequisite: 9th, 10th, 11th Grade

.5 Credit

Students who have taken Intro to Family and Consumer Sciences and Career and Life Planning, Human Growth & Development, and Family Studies, and who want to enroll in HOTT to work with children in primary grades (K-3), should enroll in Early Childhood Applications. Students will work cooperatively with the classroom teacher to provide instruction and assistance to young children. This course is a good choice for those who enjoy working with young children or who are considering a career in education or child care. Students should plan on taking the course for the full year. This course articulates with Butler Community College.

- [Articulates with Butler Community College](#)
- [Early Childhood Development & Services Pathway](#)

INTERIOR DESIGN

Prerequisite: 9th Grade

.5 Credit

This course will teach students the skills necessary to design interior spaces that apply design elements and principles in 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 clients' needs, legislated codes, historic considerations, current and future trends, and public policy. Projects include drawing and decorating a house.

- [Construction & Design Pathways](#)

BCC INTRO TO TEACHING

Prerequisite: 9th Grade

.5 Credit

This course will enable the student to gain valuable insight into the teaching profession through hands-on exploration of current theories in pedagogy. The student will gather, assemble, review, and analyze information for choosing career options in the teaching field. The student will organize leadership tasks, develop the necessary skills to continue preparation for teaching, and develop a professional approach to the teaching profession. The student will participate in a 30-hour classroom field experience (10 hours each in elementary, middle, and high school classrooms).

- [Requires qualifying scores on ACT or Accuplacer Test.](#)



COURSE DESCRIPTIONS

DIGITAL MEDIA DEPARTMENT

AUDIO VIDEO PRODUCTION FUNDAMENTALS

Prerequisite: 9th Grade

.5 Credit

This course is designed for students who are interested in learning the aspects of broadcast production. Throughout the semester, students will learn the components that create successful broadcast and media productions. From brainstorming story ideas, conducting interviews, writing scripts, filming, editing, producing, and anchoring, a wide range of skills and techniques will be introduced to students. Attendance and deadlines are critical to success in this class. Outside class time will be required in order to gather footage for some projects.

- [Digital Media Pathways](#)

VIDEO PRODUCTION

Prerequisite: Audio Video Production Fundamentals

.5 Credit

In this course, students apply the technical skills learned in Audio/Video Fundamentals by allowing students to orchestrate projects from planning through editing. Students in this course will be viewed as leaders and will be given more responsibilities for projects. Projects focus on in-depth stories that both inform, impact, and entertain the student body. Along with filming and editing, students will continue to develop strong pre-production planning, interviewing, and post-production skills. Outside class time will be required in order to gather footage for some projects.

- [Articulates with Butler Community College](#)
- [Digital Media Pathways](#)

YEARBOOK PRODUCTION

Prerequisite: By Application & Teacher Approval

1 Credit

This course will help students develop the skills to write, design, develop, and produce a full-length yearbook. This course provides students with the opportunity to produce a product that is purchased by their peers and reviewed for decades. Topics include developing a production schedule, working as a team, utilizing journalistic story-telling skills, layout development, photojournalism, copywriting, graphic design, advertisement sales, and much more! Students will be required to spend some time selling advertisements as well as attending after-school events.

- [Digital Media & Graphic Design Pathways](#)



COURSE DESCRIPTIONS

INDUSTRIAL TECHNOLOGY DEPARTMENT

ARCHITECTURE DESIGN I

Prerequisite: None

.5 Credit

This course will introduce students to engineering and residential/building/industrial trade drafting. Skills development in blueprint reading will also be studied. Concepts in 3-view drawing, pattern making, pictorial drawing, and working drawings will be studied in the engineering portion of this course. Architectural and residential design principles will be the focus of study. Utilizing AutoCAD, students will design a small residential home and prepare a design and working set of architectural drawings.

- [Construction & Design Pathway](#)

ARCHITECTURE DESIGN II

Prerequisite: Passing Grade in Architecture Design I or Teacher Approval

.5 Credit

This semester course will build on the foundations and concepts explored in Architecture Design I. The focus of study in Architecture Design II will be advanced concepts of residential and commercial design as they relate to a wide variety of applications in the computer-aided design world. The Architecture Design II students will incorporate theory and design by creating graphic presentations related to industry, construction and commercial building applications. Revit software is recognized as a world-leading architecture design tool used in the building industry today. This course articulates with Butler Community College.

- [Articulates with Butler Community College](#)
- [Construction & Design Pathway](#)

ADVANCED STUDIES IN ARCHITECTURAL DESIGN

Prerequisite: 9th & 10th Grade With Passing Grade in Architecture I & II

.5 Credit

Advanced Studies in Architectural Design is an advanced-level application course covering specific research-based topics in architectural design. Topics of study will include methods for employing "Green Building" techniques, HVAC, Electrical, and Plumbing Systems. Additional focus on the development of technical drawing plans utilizing traditional (board drafting), as well as, current (CAD) design methods will be included. Integration of advanced design techniques will be incorporated throughout the course curriculum.

- [Construction & Design Pathway](#)

CAM I | COMPUTER AIDED MACHINING I

Prerequisite: None

.5 Credit

This course brings advanced technology and engineering concepts to the student through the integration and application of multiple theories as related to industrial technology. Students will work through several areas of study in independent and cooperative learning environments. The areas of study are Architectural Drafting, CAD, Computer Animation, Digital Design, Digital Manufacturing, Embroidery Design, Engineering Structures, Flight Transportation, Graphic Design, Laser Engraving, Mastercam, Mechanical Drafting, 3-D Scanning, Precision Measurements, Robotics, SOLIDWORKS, Vinyl Sign Making and Virtual Reality. Utilization of advanced technology equipment will be required. The course will enhance the students' understanding of technology and prepare students for the workforce of the future.

Required Materials: Project-related materials & supplies

- [Articulates with Butler Community College](#)
- [Manufacturing Pathway](#)

CAM II | COMPUTER AIDED MACHINING II

Prerequisite: Passing Grade in CAM I

.5 Credit

This course brings advanced technology and engineering concepts to the student through the integration and application of multiple theories as related to industrial technology. Students will work through several areas of study in independent and cooperative learning environments. The areas of study are Digital Design, Digital Manufacturing, Embroidery Design, Graphic Design, Laser Engraving, Mastercam, Vinyl Sign Making and CNC Production. Utilization of advanced technology equipment will be required. The course will enhance the students' understanding of technology and prepare students for the workforce of the future.

Required Materials: Project-related materials & supplies

- [Articulates with Butler Community College](#)
- [Manufacturing Pathway](#)



COURSE DESCRIPTIONS

INDUSTRIAL TECHNOLOGY DEPARTMENT

CAM III | COMPUTER AIDED MACHINING III

Prerequisite: Passing Grade in CAM II

.5 Credit

This course brings advanced technology and engineering concepts to the student through the integration and application of multiple theories as related to industrial technology. Students will work through several areas of study in independent and cooperative learning environments. The areas of study are Advanced Digital Design, Advanced Digital Manufacturing, Embroidery Design, Advanced Graphic Design, Laser Engraving, Mastercam, and CNC Production. Utilization of advanced technology equipment will be required. The course will enhance the students' understanding of technology and prepare students for the workforce of the future.

Required Materials: Project-related materials & supplies

- [Manufacturing Pathway](#)

CAD I | COMPUTER AIDED DRAFTING I

Prerequisite: None

.5 Credit

This is a semester class offered to students desiring to further their study in the visual and design area of graphic presentation and communications. Computer-aided mechanical design is emphasized and studied. The software, AutoCAD, provides the instructional support and presentation platform for CAD I. Students will design, create, and draw various mechanical applications utilized and presented in technology industries today. This area of study will prepare students for career opportunities in the specialized area of drafting and design engineering.

- [Articulates with Butler Community College](#)
- [Construction & Design Pathway](#)

CAD II | COMPUTER AIDED DRAFTING II

Prerequisite: Passing Grade in CAD I or Architecture Design I

.5 Credit

This is a semester course in advanced 3-D design. The software for this course, Inventor and Solid-Works, introduces the student to Advanced 3-D parametric modeling. Design features emphasized in CAD II includes 3-D part design & modeling, assembly design, drafting, and presentation. This specific area of study will incorporate instructional methods that encourage self-directed student learning, and personal portfolio applications. Completion of this course of study will provide the student with comprehensive and advanced graphic design training.

- [Articulates with Butler Community College](#)
- [Construction & Design and Manufacturing Pathways](#)

3D EXPERIENCE (CATIA 1)

Prerequisite: 9th Grade & Passing Grade in CAD II,

Architecture Design II, or Teacher Approval

.5 Credit

This first quarter course is a foundational course for learning 3-D EXPERIENCE. This course covers the creation of solid parts without complex contours. Students will be introduced to the part environment of 3-D EXPERIENCE and learn how to work between the Sketcher and Part Design workbenches to create individual parts.

- [Aviation Pathway](#)

[DUAL CREDIT, WSU TECH](#)

- [CAT 101, CATIA Part Design & Sketcher](#)

CATIA | ASSEMBLY DESIGN (AD)

Prerequisite: 9th Grade & Passing Grade in CATIA PDAS

1 Credit

This second quarter course covers the use of multiple parts, in 3-D EXPERIENCE, to create an assembly. This includes manipulating parts in an assembly, creating engineering connections, and analyzing assemblies. It also covers designing within the context of an assembly, including creating and using publications.

- [Aviation Pathway](#)

[DUAL CREDIT, WSU TECH](#)

- [CAT 105 CATIA Assembly Design](#)

3D EXPERIENCE (CATIA 2)

Prerequisite: 9th Grade & Passing Grade in CATIA AD

.5 Credit

This third quarter course is an extension of the part environment of 3-D EXPERIENCE and covers the use of wireframe and surface geometry to create complex contours. This course concentrates on the tools available and how to integrate this geometry back into a solid part.

- [Aviation Pathway](#)

[DUAL CREDIT, WSU TECH](#)

- [CAT 110 CATIA Wireframe & Surfaces](#)

CATIA | DRAFTING (DRFT)

Prerequisite: 9th Grade & Passing Grade in CATIA WFAS

1 Credit

This fourth quarter course covers the creation of engineering drawings. Students will be introduced to the drafting environment of 3-D EXPERIENCE and learn how to create drawings from parts and products.

- [Aviation Pathway](#)

[DUAL CREDIT, WSU TECH](#)

- [CAT 102 Drafting](#)



COURSE DESCRIPTIONS

INDUSTRIAL TECHNOLOGY DEPARTMENT

RESEARCH & DESIGN FOR MANUFACTURING

Prerequisite: 10th Grade & Teacher Approval

1 Credit

This course brings advanced technology and engineering concepts to the student through the integration and application of multiple theories related to industrial technology. CNC, CAM, Embroidery, Laser Engraving, Screen Printing, Sublimation Printing, Wide Format Printing, Vinyl Cutting, engineering design, and leadership development are studied in independent and cooperative learning environments. Utilization of advanced technology equipment will be required. The course's curriculum will enhance the students' understanding of technology and prepare students for the workforce of the future. Students will design and build all of the awards, signage, and projects for the district.

- [Manufacturing Pathway](#)

PRODUCTION METHODS I

Prerequisite: None

.5 Credit per semester

Production Methods I is a comprehensive, technical level course designed to instruct students in the knowledge and skills common to manufacturing occupations using a variety of materials (wood, plastic, metal, composites). This course's primary attention is given to the following topics: safety, hand tool identification, related vocabulary, and manufacturing project activities such as woodworking, metalwork, plastics, ceramics, polymers. Students will also be introduced to CNC Routing, Laser Engraving, and CNC Plasma cutting, this will provide the student with the essential background related to the manufacturing production process.

- Articulates with Butler Community College
- [Manufacturing Pathway](#)

PRODUCTION METHODS II

Prerequisite: Passing grade in Production Methods I

.5 Credit per semester

Production Methods II is a continuation of Production Methods I. This course is a comprehensive, technical level course designed to instruct students in the knowledge and skills common to manufacturing occupations using a variety of materials (wood, plastic, metal, composites). This course's primary attention will be industrial production processes which will include CNC routing, CNC plasma, water jet, plastics, ceramics, metal casting, and polymers. The study of mass production, lean production, and Just In Time principles of products and manufacturing operations will provide the student with the essential background related to the manufacturing production process.

- Articulates with Butler Community College
- [Manufacturing Pathway](#)

PRODUCTION WELDING PROCESSES I

Prerequisite: 9th Grade & Passing Grade in Production Methods IA

.5 Credit

In this class, students will identify safe practices, safety and health issues, and procedures in the welding process. They will describe and identify basic metals and metallurgy. Students will then be introduced to the techniques of SMAW (Shielded Metal Arc Welding), GMAW (Gas Metal Arc Welding), GTAW (Gas Tungsten Arc Welding), and OxyFuel welding. This class also includes a WSU Tech correspondent class AVC 117 which is an Aviation Hand Tool Certification Class.

- [Manufacturing Pathway](#)

PRODUCTION WELDING PROCESSES II

Prerequisite: 9th Grade & Passing Grade in Production Welding Processes I

.5 Credit

Production Welding Processes II is a second-semester class, students will continue to refine their skills and will weld joints in various welding positions. They will make welds to flat iron, angle iron, square tubing, and pipe. Students will also be introduced to plasma cutting and CNC plasma cutting. This class also includes a WSU Tech correspondent class AVC 117 which is an Aviation Hand Tool Certification Class.

- [Manufacturing Pathway](#)

PRODUCTION WELDING PROCESSES III

Prerequisite: 10th Grade & Passing Grade of at least a C in Production Welding II

.5 Credit

Production Welding Processes III will continue to refine students' skills in the welding field. They will develop Plans and bill of materials for small welding projects and construct them using various welding equipment. Students will be encouraged to use the CNC Plasma cutter for parts production for projects. This class will have a materials cost for projects.

- [Manufacturing Pathway](#)



COURSE DESCRIPTIONS

INDUSTRIAL TECHNOLOGY DEPARTMENT

WOODWORKING PRINCIPLES

Prerequisite: None
1 Credit

This course is for beginning woodworkers and has ties to manufacturing, drafting, math, science, and art. Areas covered include safety, measurement, hand tool, and machine use, project plan reading, adhesive and fastener basics, basic design concepts, material considerations and selection, and cost calculations for beginning projects. More advanced projects will be introduced as skills are learned and demonstrated. SAFETY is paramount in this and all woodworking courses at CHS.

Course Fees: Second-semester project fees will be calculated on an individual project basis.

- Articulates with Butler Community College
- Manufacturing Pathway

FURNITURE & CABINETRY FABRICATION

Prerequisite: Passing grade in Woodworking Principles
1 Credit

This course is designed to further develop skills and techniques introduced in Woodworking Principles. Areas covered include safety, advanced machining techniques, product design and development, wood identification, wood and adhesive science/technology, sheet stock production, and application, fasteners, wood finishing. Students will work with the instructor to design, develop, and build their own project(s). Emphasis will be on the trades and industries of cabinetmakers, furniture designers, builders, millwrights, general contractors, and similar industries. SAFETY is again paramount.

Course Fees: Second-semester project fees will be calculated on an individual project basis.

- Articulates with Butler Community College
- Manufacturing Pathway

RESIDENTIAL CARPENTRY I

Prerequisite: Passing grade in Woodworking Principles
1 Credit

This course allows students interested in a building trade a closer look at the actual job. Students will get "hands-on" experience with the CHS carpentry projects. Students will earn an on-line 'OSHA 10 Hour' safety certification. Areas covered include: Safety, measurement, plan reading, construction tools, basic estimating and procurement, basic construction materials and techniques.

Course Fees: Second-semester project fees will be calculated on an individual project basis.

- Manufacturing Pathway

RESIDENTIAL CARPENTRY II

Prerequisite: Passing grade in Residential Carpentry I
1 Credit

This course is designed to further develop skills and techniques introduced in Residential Carpentry I. Areas covered include safety, advanced machining techniques, product design and development, wood identification, wood and adhesive science/technology, sheet stock production, and application, fasteners, wood finishing. Students will work closely with the instructor to design, develop, and build their own project(s). Emphasis will be on the trades and industries of builders, general contractors, and similar industries. SAFETY is again paramount.

Course Fees: Second-semester project fees will be calculated on an individual project basis.

- Manufacturing Pathway



COURSE DESCRIPTIONS

INDUSTRIAL TECHNOLOGY DEPARTMENT

ENGINEERING DESIGN I

Prerequisite: None

.5 Credit

Engineering Design I is an entry-level course that focuses on the design process, applying math, science, and engineering standards to hands-on projects. Students will engage in open-ended problem solving, learn and apply the engineering design process, and develop teamwork, communication, and critical thinking skills. They will work both individually and in teams to design solutions to a variety of problems using 3D modeling software and document their work in an engineering notebook. This course, along with Engineering Design II, is designed to prepare students for careers or post-secondary study in STEM (Science, Technology, Engineering, and Math) fields.

- [Engineering & Applied Mathematics Pathway](#)

NOT CURRENTLY OFFERED

ENGINEERING DESIGN II

Prerequisite: Passing Grade in Engineering Design I

.5 Credit

In Engineering Design II students will continue learning concepts introduced in Engineering Design I and will finish their engineering notebook. Through hands-on, real-world problem solving, students will work with 3D modeling software to help them communicate design solutions to peers and members of the professional community.

- [Engineering & Applied Mathematics Pathway](#)

NOT CURRENTLY OFFERED

PRINCIPLES OF ENGINEERING I

Prerequisite: Passing Grade in Engineering Design I & II

.5 Credit

This class is an intermediate-level course for students interested in Science, Technology, Engineering, and Math (STEM) classes. This survey course explores postsecondary engineering concepts. Examples of topics discussed include energy, kinematics, materials, mechanisms, and statics. Project Lead The Way strives to engage students in hands-on, real-world projects so that they understand how the skills they are learning in the classroom can be applied in everyday life.

- [Engineering & Applied Mathematics Pathway](#)

NOT CURRENTLY OFFERED

PRINCIPLES OF ENGINEERING II

Prerequisite: 9th Grade & Passing Grade in Principles of Engineering I

.5 Credit

This course is a continuation of Principles of Engineering I (POE I). Students who take this class must have previously taken POE I. Students will further their problem-solving skills through research and design to create solutions to various challenges. They will also be required to document their work and communicate solutions. Project Lead The Way strives to engage students in hands-on real-world projects, so that they understand how the skills they are learning in the classroom can be applied in everyday life.

- [Engineering & Applied Mathematics Pathway](#)

NOT CURRENTLY OFFERED