

Cassville High School Course Description Guide



2020-2021

CASSVILLE HIGH SCHOOL

The information in the course description guide is provided to assist students as they make plans that will hopefully lead to a rewarding and enjoyable future. This guide has been designed to acquaint students with the many choices available at Cassville High School. Students begin during the spring of their 8th grade year to develop a plan of study that meets the needs of students' interests, abilities and goals, as well as to prepare students for future career aspirations. Each spring, CHS students are asked to adjust their plan of study during their ACES (Advisement for Career and Educational Success) time with help and advice from both parents and the student's advisor.

Parental involvement is critical to the success of a student's plan of study. It is the responsibility of each student to become familiar with the courses that are available, as well as the requirements for graduation. Students are asked to share this information with their parents and together to come up with a class schedule for the coming year that will enable students to meet future goals. ACES advisors, as well as the counseling staff and other faculty and administration at CHS, will strive to provide positive assistance to the students and parents throughout this process. One of the primary goals of the ACES program is the continued development of a positive communication link between home and school. We feel that by connecting the communication bridge between parents and school staff, we can increase student success for the future.

We challenge students to set high standards for themselves and to select courses that will help them meet their future goals. Students are also encouraged to maintain consistent attendance and to work diligently on a daily basis to reach their goals, all of which relates to success throughout their high school career.

Cassville High School Mission Statement

The faculty and staff at Cassville High School will empower all students to reach their potential as productive citizens.

Graduation for every student; Success for every graduate

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PROGRAMS LEADING TO ACADEMIC EXCELLENCE

ACADEMIC LETTERS

(The list of “Non-Academic” classes is subject to change)

To earn an academic letter a student must have a 3.5 or above GPA and no D or F at the end of the semester in all academic subjects based on first semester grades. They must be attending a minimum of seven (7) classes per day, four (4) of which must be academic classes, during both semesters of the qualifying school year. Non-academic classes for which grades will not be included follow: A+ Tutoring, ESL classes, SFS, FLEX, MO Options, Office/Teacher/Library Aides, all P.E. classes, Supervised Business Experience, Supervised Agricultural Experience Co-op, Computer Practicum, **and other specific courses (Principal will determine).**

ACES (ADVISEMENT FOR CAREER AND EDUCATIONAL SUCCESS)

Each student is assigned a teacher advisor within the ACES program. ACES advisors are there to provide assistance for students with potential questions and problems that might arise during the school year. Parents are encouraged to utilize the ACES advisor as another contact person for effective communication between home and school. Help in student scheduling is also provided within ACES sessions.

ADVANCED PLACEMENT CREDIT

Students enrolled in Advanced Placement (AP) courses have the option to take the College Board AP examination for which the course prepared them. The College Board AP Exam is given each May at Cassville High School. If the student passes the College Board Exam with a satisfactory score, he/she **may** earn credit in advance from most U.S. colleges and universities. The fee for each test varies.

ARTICULATED CREDIT

Many of the programs at SRTC offer articulated credit through local community colleges. To earn the articulated credit, students must enroll in the respective college after graduation from high school. Check with the counseling office or the teachers of these classes for more information.

COLLEGE VISITS

Seniors are allowed two college visits during their senior year and juniors are allowed one college visit. Students must bring back some form of verification from the college/university visited to have the absence excused by the office. Counselors can help to schedule visits.

CREDIT RECOVERY/NIGHT SCHOOL

Credit recovery opportunities are available each semester to recover credit lost due to excessive absences or as a result of failing a class. **Credit recovery must be completed the semester immediately following the loss of credits. Loss of credit during 1st semester must be recovered during 2nd semester or summer school. Loss of credit during 2nd semester must be recovered during the summer or during 1st semester of following school year.**

DUAL CREDIT

Dual credit courses are available through Crowder College, Drury University, Missouri Southern State University, and Missouri State University. Dual credit means that both high school and college credits are received. CHS will award one-half unit of high school credits per semester. These courses have fees which are the responsibility of the student. Refer to the course description for specific prerequisites for enrollment. These courses are listed on page 16.

DUAL ENROLLMENT

Dual enrollment courses are available through Crowder College. CHS will award 1/2 unit of high school credit per semester for dual enrollment courses. Students taking dual enrollment courses **outside** of the school day who are awarded college credit receive 1/2 unit of high school credit and a **pass grade only**.

VIRTUAL INSTRUCTION

The district may offer instruction through district-sponsored virtual courses and will approve students to take virtual courses through the Missouri Course Assess Program (MOCAP) in accordance with policy IGCD and law.

EARLY GRADUATION

Students who wish to graduate early must submit an application to the principal.

SUMMER SCHOOL

Cassville High School offers summer school classes for high school students. In most cases, these classes are to recover credit lost during the school year.

TESTING

ACT -This college entrance exam is available for all students but is recommended for juniors and seniors. Students may retest as often as they choose. The test is administered at various sites throughout the area in September, October, December, February, April, and June. *The October and February tests are administered at Cassville High School.* Application information and testing schedules are available in the counseling office or at www.act.org. *Test fees are the responsibility of the student. ACT scores are used for dual credit enrollment.* Junior/senior students who qualify for free/reduced lunch also receive two ACT fee waivers during the course of their last two years of high school.

ASVAB -ASVAB is an interest inventory and aptitude battery administered to all juniors during the fall semester. This aptitude battery is a valuable tool for students to help them determine areas of strengths or interests. This test is funded by the military but is not a recruitment program.

PSAT -PSAT test is for sophomore and junior students and is a practice college entrance exam. For juniors it is a qualifying test for the National Merit Scholarship Qualifying Test (NMSQT). The PSAT is a pre-SAT exam and is administered in October. Additional information is available through the counseling office. Sophomores may test for practice and/or Missouri Scholars Academy consideration. *Test fees are the responsibility of the student.*

SAT -This is a college entrance exam available to juniors and seniors. Students may retest as often as they choose. This test may be required by Ivy League colleges/universities and many other out-of-state colleges/universities. Application information and testing schedules are available in the counseling office. *Test fees are the responsibility of the student.*

TUTORING

Should a student be in need of tutoring assistance at any time during the school year, several options are available. A mandatory tutoring program is also built into the regular daily schedule (4 times per week) for all students with D's and F's during the school year. Students should inquire in the counseling office for more information.

YOUR CHOICES AFTER HIGH SCHOOL

On-the-Job Training

Some occupations do not require educational training prior to employment. Instead, additional training and skills required beyond high school are provided by the employer.

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Apprenticeship

Apprenticeship is a three to four-year training program where the student learns while working on the job and earning money. The student receives a license at the end of training. Examples of trades that use apprenticeship are bricklaying, jewelry making, electrical repair, plumbing, etc.

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Vocational Technical School

Programs at these schools are generally from one month to four years in length. Examples of vocational technical programs include practical nursing, robotics, and some areas of business.

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Community/ Junior College

Community colleges offer two-year associate degree programs which would lead directly to an occupation or transfer to a four-year college. They also offer Associates in Applied Science degrees. Examples of these degrees are Computer & Network Support Technology and Construction Technology. Community colleges also offer programs in which a student may become certified, such as Auto Technology, Fire Science, and Paramedic.

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College/ University

A bachelor's degree requires approximately four years of college. A master's degree usually requires one to three years of college beyond the bachelor's degree. A minimum of a bachelor's degree is required for about 20% of the occupations in the United States. Entrance requirements depend on the desired college, program, or major.

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Military

Training is available for many jobs while an individual is enlisted. A person may also receive financial assistance for college, room and board, as well as salary and insurance benefits. High school graduation is required. Another consideration for students would be the military academies such as West Point or university ROTC programs.

THE PURPOSE OF CAREER CLUSTERS

The Cassville R-IV School District has programs to assist all students in choosing and preparing for rewarding careers. A general high school program of studies is simply not enough preparation for today's colleges, technical careers, or employment in today's complex workplace. Rather, the program of studies must be carefully planned and selected to help ensure that students attain their goals.

Career Clusters help give focus and direction to the selection of a high school plan of study and to better assist the student in achieving whatever goal he/she has chosen. All high school students are asked to consider a Career Cluster.

Career Clusters are clusters of occupations and careers that are grouped together because many of the people in them share similar interests and strengths. All clusters include a variety of occupations that require different levels of education and training. Career Clusters provide students with an area of focus, along with flexibility among many options, and a variety of ideas to pursue.

Choosing a Career Cluster

Each student, working with parents, and high school counselors, will develop a plan of study centered around one of the sixteen broad career clusters. The plan of study may reflect a general area of interest such as health services, or it may concentrate on a specific occupational goal such as becoming a respiratory therapist or a registered nurse. The following will enable students to determine their career cluster:

- Be involved in activities designed to expand awareness of a variety of careers. Activities to explore careers will continue throughout high school.
- Identify interests, abilities, and talents.
- Consider the possible careers in each cluster in relationship to those interests, abilities, and talents.
- Decide which career cluster seems to fit best by considering personal interests, personalities, and strengths.
- Develop and revise annually a plan of study by selecting courses that are relevant to the variety of occupations in the career cluster chosen.

How Can Parents and Others Help?

- Help students identify interests, abilities, and talents by discussing strengths with them.
- Share information about careers and work experiences.
- Arrange for students to talk with people about careers that are of interest.

If Students Change Their Minds. . .

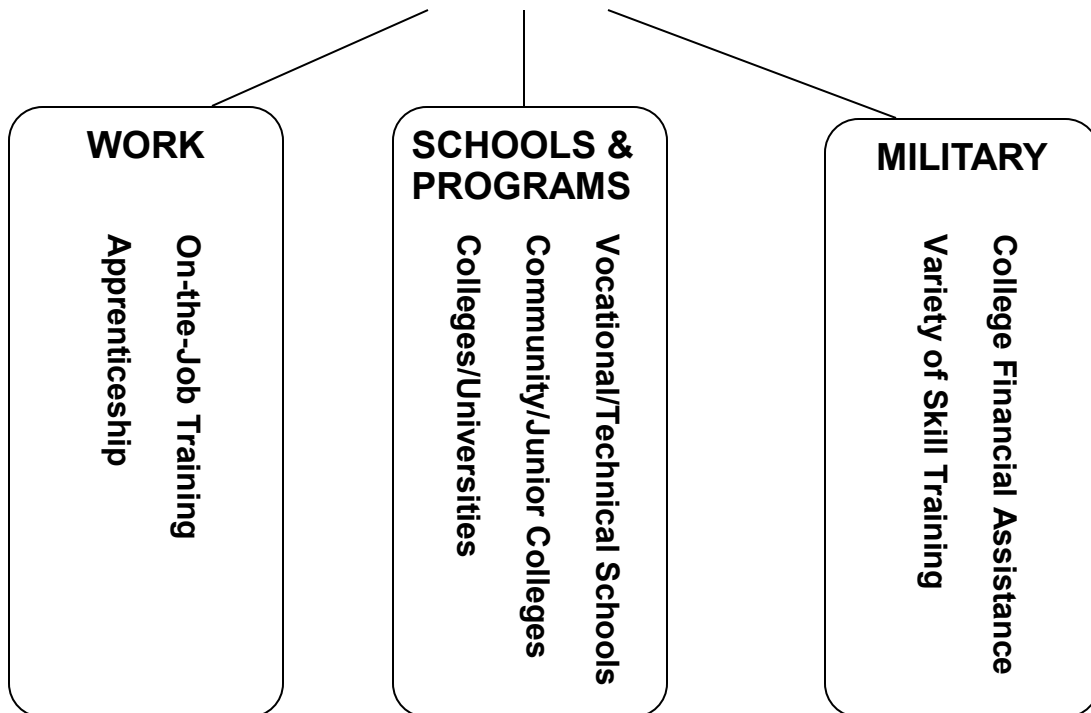
A career cluster is a choice and is NOT a permanent commitment. As students mature and have new experiences, they will learn new things about themselves and may want to change career clusters. Plans of study are reviewed and revised annually. Students will not lose credit for classes already taken if they change career clusters, nor will changing career clusters in itself delay a student's graduation date.

CAREER CLUSTERS

<p>A <i>griculture, Food & Natural Resources</i></p>	<p>The production, processing, marketing, distribution, financing, and development of agricultural commodities and resources including food, fiber, wood products, natural resources, horticulture, and other plant and animal products/resources.</p>
<p>A <i>rchitecture & Construction</i></p>	<p>Careers in designing, planning, managing, building, and maintaining the built environment.</p>
<p>A <i>rts, A/V Technology & Communications</i></p>	<p>Designing, producing, exhibiting, performing, writing, and publishing multimedia content including visual and performing arts and design, journalism, and entertainment services.</p>
<p>B <i>usiness, Management, & Administration</i></p>	<p>Careers encompass planning, organizing, directing, and evaluating business functions essential to efficient and productive business operations.</p>
<p>E <i>ducation & Training</i></p>	<p>Planning, managing, and providing education and training services and related learning support services.</p>
<p>F <i>inance</i></p>	<p>Services for financial and investment planning, banking, insurance, and business financial management.</p>
<p>G <i>overnment & Public Administration</i></p>	<p>Executing governmental functions to include governance; national security; foreign service; planning; revenue and taxation; regulation; and management and administration at the local, state, and federal levels.</p>
<p>H <i>ealth Science</i></p>	<p>Planning, managing, and providing therapeutic services, diagnostic services, health information, support services, and biotechnology research and development.</p>
<p>H <i>ospitality & Tourism</i></p>	<p>Encompassing the management, marketing and operations of restaurants and other food services, lodging, attractions, recreation events, and travel related services.</p>
<p>H <i>uman Services</i></p>	<p>Preparing individuals for employment in career pathways that relate to families and human needs.</p>

<p>I <i>nformation Technology</i></p>	<p>Careers relating to the design, development, support, and management of hardware, software, multimedia, and systems integration services.</p>
<p>L <i>aw, Public Safety, Corrections & Security</i></p>	<p>Planning, managing, and providing legal, public safety, protective services and homeland security, including professional and technical support services.</p>
<p>M <i>anufacturing</i></p>	<p>Planning, managing, and performing the processing of materials into intermediate or final products and related professional and technical support activities such as production planning and control, maintenance, and manufacturing/process engineering.</p>
<p>M <i>arketing, Sales, & Service</i></p>	<p>Planning, managing, and performing marketing activities to reach organizational activities.</p>
<p>S <i>cience, Technology, Engineering & Mathematics</i></p>	<p>Planning, managing, and providing scientific research and professional and technical services (e.g., physical science, social science, engineering) including laboratory and testing services, and research and development services.</p>
<p>T <i>ransportation, Distribution, & Logistics</i></p>	<p>Planning, management, and movement of people, materials, and goods by road, pipeline, air, rail, and water and related professional and technical support services such as transportation infrastructure planning and management, logistics services, mobile equipment, and facility maintenance.</p>

CHOICES AFTER HIGH SCHOOL



A + SCHOOLS PROGRAM

The education of all students is important, regardless of their plans following high school. The A+ Schools Program is designed to ensure that no matter what a student's career goals, all Cassville High students will be provided selections of courses, career counseling, technology, and/or workplace skill development opportunities that are appropriate for them to achieve success.

The three major goals of the A+ Schools Program are the following:

- All students will graduate from high school
- All students complete a selection of high school studies that is challenging and for which there are identified learning expectations
- All students proceed from high school graduation to a college, post-secondary vocational or technical school, or high-wage job with workplace skill development opportunities

According to the U.S. Department of Labor, more and more of our nation's jobs will require technical skills. The A+ Schools Program encourages all students to focus on a career goal that requires training beyond high school. Students are asked to select a career cluster, plan course work for all four years of high school, and progress toward a goal of additional training at the post-secondary level or a high-wage job. Students always have the option to modify or change their career goal and course of studies.

Cassville High School was officially designated as an A+ School in April, 1999, and offers financial incentives to students who meet the following criteria:

- * Be a United States citizen, eligible non-citizen, or lawfully present in the United States.
- * Attend a designated A+ School for three consecutive years immediately prior to graduation.
- * Earn a 2.5 average or higher cumulative GPA upon graduation (based on a 4-point scale)
- * Average at least 95% attendance during high school
- * Perform 50 hours of unpaid school-based tutoring/mentoring
- * Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol
- * Complete Free Application for Federal Student Aid (FAFSA) form prior to April 1, 2020
- * Enter into a written agreement with the school prior to January 15 of their graduating year
- * Students must have achieved a score of proficient or advanced on the Algebra 1 End Of Course testing.
- * Register for Selective Service (all male students 18 years and older)

By meeting these requirements, students may receive reimbursement for tuition for two years at any Missouri public junior college, community college, and most vocational-technical schools. **(Full tuition reimbursement is contingent upon state funding and may be decreased or removed at any time. Tuition reimbursement is not the responsibility of the Cassville School District.)** *Students are also reminded that they must sign their legal name in ink on all required A+ paperwork. Failure to do so may result in loss of A+ tuition payments.*

If you or your parents have any questions concerning the A+ Schools Program, please feel free to contact the A+ Office at 847-4016. We will be happy to assist you.

Cassville R-IV Schools
A+ CITIZENSHIP POLICY
(Revised 9/17/09)

Participation in the A+ schools financial assistance program is an honor and a privilege.

The A+ Schools Program encourages students to maintain a “record of good citizenship” at school and away from school and to develop behaviors that will help them become productive, successful citizens. It is expected that students will exhibit standards of behavior that will bring credit to them, the A+ Schools Program, Cassville R-IV Schools, and the Cassville community.

The primary goal of education is the development of individuals who possess the skills, knowledge, and characteristics to empower them to live meaningful lives and to make positive contributions to society.

To qualify for the A+ financial incentive, a student’s behavior shall be in compliance with Cassville Board of Education policies, the Cassville High School guidelines on student discipline as outlined in the student handbook, the A+ School guidelines, the Safe Schools Act, and state and local regulations and laws.

Student discipline records will be maintained throughout the four years of high school. In-school and out-of-school suspension days are accumulative over the four years a student attends high school. Discipline records are reviewed quarterly by the A+ Advisory Council.

SCHEDULING INFORMATION

This guide will help you, the student, and your parents plan your high school program. We hope you will continually review your educational and career goals and develop a program of study that will help you achieve these goals.

Points to Keep in Mind

- Before selecting a subject, check the course description to be certain it fits your needs, interests, and career goals. The course should help you achieve both the graduation requirements and your career goals.
- Note prerequisites, time commitments, fees listed, possible writing sample, appropriate test scores and whether teacher permission is required.
- The subjects you choose are reserved for you, and you are expected to sign up for and take the classes you pre-selected.
- Choose your elective classes carefully. Try to select classes in your career cluster that will assist you in achieving your career goals. Alternate classes should be selected carefully. In the event of conflicts or full classes, you will need to register for your alternate selections.
- Consult your advisor or the counseling department if you have questions about credits, graduation requirements, college requirements, or vocational/technical programs.

Scheduling

Steps in Scheduling Classes

- 1. Students review plan of study information and the course description guide.**
- 2. Students review their transcript**
- 3. Students submit course requests**
- 4. The parent/guardian reviews and approves the course requests**

Students will receive their schedule prior to the beginning of the following school year.

FREQUENTLY ASKED QUESTIONS...

May I repeat a course for graduation credits?

An academic course completed with a passing grade cannot be repeated for credit. However, some electives can be repeated such as band, choir, physical education, etc.

May I be a part-time student?

All students are expected to carry a normal load of 7 classes per semester. Exceptions may be given for students by permission of principal. **Students participating in MSHSAA sanctioned activities must enroll in 6 credit classes (3.0 credits per semester).**

What happens if I fail a semester of a required full-year (2 semester) course?

Credits are earned by the semester (1/2 credit per semester). If you fail a semester of a required course you need to repeat the failed semester until you pass that semester of the course, or complete the course through the credit recovery program. Credit recovery enables you to regain credit during the following semester without having to repeat the entire course.

Can I withdraw from a class before the end of the semester?

You must complete classes in which you are enrolled. If you transfer to another school, current grades/transcripts are sent to the new school after books, fines, and charges are settled.

May I change my schedule at semester if I don't like a class I am taking?

Schedule changes are limited to the first week of each semester.

How many credits are required to graduate from Cassville High School?

You must earn 25 credits and have earned the appropriate number of credits in each of the required areas of graduation requirements. **You may participate in the graduation ceremony only after all credits are earned.** Students short any credits may not participate in the ceremony or other graduation activities.

Do any classes which I took in junior high count toward high school credit?

Yes. Any 8th grade student (including Shell Knob) who takes Algebra I successfully in junior high may progress to the next course in sequence and receive high school credit if two of the following criteria is met:

- Students must have a grade average of 80% or higher
- Students must pass the Algebra I final assessment in the Spring
- Algebra I teacher recommendation

CASSVILLE HIGH SCHOOL GRADUATION REQUIREMENTS

In order to graduate from Cassville High School, students must meet all of Cassville R-IV School District's and the Missouri State Board of Education requirements. In addition to earning the required 25 units of credit and passing the specifically outlined required classes, graduates must pass both the U.S. and Missouri Constitution tests, CPR training, and civics test. Specific requirements are as follows:

Subject Requirements and Cassville High School Required Classes	Credits Required	
	All Cassville High School Students	Summa Cum Laude Honors Diploma * (min. 3.9 GPA)
Communication Arts Communication Arts I, II, College Prep Comm. Arts III or Professional Communications III are required of all students. Fourth year may consist of College Prep Comm. Arts IV, Professional Communications IV, AP Literature & Composition, SRTC Embedded CA, Speech/Public Speaking, Debate, Creative Writing, Dual Enrollment English 101, Dual Enrollment English 102	4	4
Mathematics	3	3
Science Physical Science, Biology I, and Chemistry I/Geology I are required of all students.	3	3
Social Studies Civics, World History, Government, American History are required of all students.	3	3
Fine Arts	1	1
Practical Arts	2	2
Physical Education	1	1
Health	0.5	0.5
Personal Finance	0.5	0.5
Electives	7	6
Specified Core Electives Includes foreign language classes and other core area electives.	0	3
Total	25	27*

** Students may only be an aide for two semesters to qualify for Summa Cum Laude.*

GRADUATION CEREMONY and ACTIVITIES

Seniors must have completed ALL graduation requirements to participate in the graduation ceremony and related activities. **All credit recovery and Missouri/U.S. Constitution tests, CPR training, and civics test must be completed to ensure that a student will be eligible for graduation ceremony/activities. All obligations must be paid in full to receive a diploma.**

CLASSIFICATION BY CREDITS

Students must have earned the following number of credits for grade level classification by the beginning of each school year. Credits will be reviewed at the end of the semester for students who had been previously reclassified to determine if their grade level should change. **Activities that require a student to be a junior or senior will not be open to students not classified as such.**

Sophomore - 5 credits

Junior—11 credits

Senior - 18 credits

COLLEGE DIVISION I AND II NCAA INITIAL ELIGIBILITY CLEARINGHOUSE

General Academic Requirements:

- NCAA Division I and II require **16 core courses**.
- Ten (10) core courses completed before the seventh semester; seven (7) of the ten (10) must be in English, math, or science
- Division I has a sliding scale for test score and grade-point average. The sliding scale for those requirements may be found at www.ncaa.org.
- The ACT score used for NCAA purposes is a sum of the four sections on the ACT: English, mathematics, reading, and science.
- **The ACT scores must be reported directly to the NCAA Eligibility Center by the testing agency.** When registering for the ACT, **use the Eligibility Center code of 9999** to ensure the score is reported to the Eligibility Center. Test scores that appear on transcripts will not be used.
- Only core courses are used in the calculation of the grade-point average.
- Note: **Some classes offered at Cassville High School do not meet certification requirements.**

N.A.I.A. Academic Requirements

For freshman eligibility in any sport, a student must meet two out of three of the following requirements:

- 18 or higher ACT composite score
- Graduate in the top 50% of your high school graduating class
- 2.000 grade-point average on a 4.000 scale
- Note: Colleges may add to these requirements

CUM LAUDE PROGRAM

The cum laude system will recognize academic excellence at graduation with the following GPA standards for levels of achievement and recognition as outlined below.

The cum laude honors designation will be announced prior to commencement with recognition of the honor student. In addition, the Cum Laude honor will be designated on the diploma and specific honor cords or medals will be worn during the ceremony signifying the Cum Laude level achieved.

VALEDICTORIAN / SALUTATORIAN / SUMMA CUM LAUDE REQUIREMENTS

Valedictorian and Salutatorian will be recognized based on the Summa Cum Laude requirements.

Credit Requirements:

4 English	1 PE: Any
3 Math: Algebra I and higher	.5 Health
3 Science: Physical Science and higher	.5 Personal Finance (any offered)
3 Soc. Studies: 1.5 Required Courses, 1.5 Any	3 Specified Core Elective (Students must take 2 foreign language classes in the same language to count in this area)
2 Practical Art: Any Business, Ind. Tech., FACS or Ag	6 General Electives: Any
1 Fine Art: Any Music, Art, Theatre	

Total required = 27 credits including specified electives

Student has cumulative GPA of 3.90 or above. Early graduates cannot qualify for this honor.

Student must be a full time student for the last 2 full semesters at CHS in order to qualify.

Students competing for this honor may only be an aid for a maximum of 2 semesters.

MAGNA CUM LAUDE REQUIREMENTS

25 credits required

Student has a cumulative GPA of 3.70 or above

Student must have completed a minimum of 7 successful semesters of high school attendance.

CUM LAUDE REQUIREMENTS

25 credits required

Student has a cumulative GPA of 3.50 or above

Student must have completed a minimum of 7 successful semesters of high school attendance.

Transfer credits are subject to approval by principal, and must come from an accredited institution.

Weighted grade points will be accepted only if course is given weight at both CHS and the accredited transfer institution.

ELIGIBILITY FOR EXTRA-CURRICULAR ACTIVITIES (ATHLETICS, BAND/CHOIR, SPEECH/DEBATE & KNOWLEDGE BOWL)

The Missouri High School Activities Association has made the following By-law change that affects student eligibility for extra-curricular activities in all Missouri high schools.

Effective July 1, 2009, the minimum academic standard will be increased to 3.0 units of credit or 80% of the maximum allowable credits which may be earned, whichever is greater.

Based on our seven-period day (.5 credit each), a student must pass 6 of 7 classes.

Eligibility for the fall semester of 2020-21 will be based upon a student meeting these standards during the SPRING SEMESTER of the 2019-20 school year.

***Students are reminded that they do not receive credit for being a teacher's aide/office aide, etc., therefore, all students who serve as aides will be required to pass all of their remaining classes (6 total classes) to remain eligible for extra-curricular activities*

DUAL CREDIT COURSES

Dual credit means that both high school and college credits are received. Course fees are the responsibility of the student. Dual credit courses are noted in the course descriptions and have very specific prerequisites for enrollment.

MSU 119119

Advanced Animal Science - ANSC 114	4 credit hours
Child Development—CFD 155	3 credit hours
Family Living—CFD 163	3 credit hours
Speech - COM 115	3 Credit hours
Teach & Train Practicum-ELE 302	3 Credit hours

CROWDER COLLEGE 166166

Agricultural Management and Economics - AGECE112	3 credit hours
Algebra for Calculus - Math 135	3 credit hours
Biology 101	4 credit hours
Business Computer Applications - BSAD125	3 credit hours
Business - Personal Finance - GSAD 108	3 credit hours
Calculus I - Math 150	2 credit hours
Calculus I- Math 160	3 credit hours
Chemistry 101	4 credit hours
Chemistry 104	4 credit hours
Quantitative Reasoning - Math 125	3 credit hours
Social Media Marketing—MKT 200	3 credit hours
Survey of American History - History 106	3 credit hours per semester
Survey of American History - History 107	3 credit hours per semester
Trigonometry - Math 112	3 credit hours

Please see course descriptions for information regarding prerequisites.

2020-2021 COURSES

- 1** (1 semester = Half-year course)
- 2** (2 semesters = Full year course)
- p** prerequisite required
- t** teacher permission required

- *** Weighted Course
 - **** Refer to text box at the bottom of page 17
 - ***** Receive grade but no credit earned
- Course offerings are subject to change*

COMMUNICATION ARTS (pages 19-22)					SOCIAL STUDIES (pages 31-32)				
Elements of Communication Arts I	2				Government	1			
Communication Arts I	2				American History	2			
Advanced Communication Arts I	2	p	t		Civics	1			
Communication Arts II	2	p			World History	2			
Adv. Comm. Arts II	2	p	t		Psychology	1			
College Prep Comm. Arts III	2	p			Current Issues	1			
*Pre-AP Literature & Composition	2	p	t		The Second World War	1			
Professional Communications III	2	P	t		History of the Civil War	1			
College Prep Comm. Arts IV	2	p			*Survey of American History	2	p	t	d
Professional Communications IV	2	p	t		FOREIGN LANGUAGES (pages 33-34)				
*AP Literature & Composition	2	p	t		French I	2	p		
Public Communications	1			d	*French II	2	p	t	
*Speech	1				*French III	2	p	t	
Debate	2		t		*French IV	2	p	t	
Debate II	2	p	t		Spanish I	2	p		
Creative Writing	2	p	t		*Spanish II	2	p	t	
MATHEMATICS (pages 23-27)					*Spanish III	2	p	t	
Algebra I	2		t		*Spanish IV	2	p	t	
Elements of Algebra	2		t		AGRICULTURE (pages 35-37)				
Informal Geometry	1	p	t		Intro to Ag, Food, and Nat Res.	2			
Applied Math	1	p	t		**Ag. Personal Finance	1			
Geometry	2	p	t		Principles of Ag Science-Animal	2	p		d
Advanced Geometry	2	p	t		Greenhouse Operations Management	1	p		
Intermediate Algebra (Math 100)	2	p	t		Ag Power and Technology	2	p		
Algebra II	2	p	t		Conservation of Natural Resources	1	p		
Advanced Algebra II	2	p	t		*Advanced Animal Science	2	p	t	
*Quantitative Reasoning (Math 125)	1	p	t	d	Agricultural Construction	2	p	t	
*Algebra for Calculus (Math 135)	1	p	t	d	Food Science & Technology	1	p		
*College Trigonometry	1	p	t	d	Agriculture Structures	2	p	t	
*Calculus I– Math 150 & Math 160	1	p	t	d	Landscaping	1	p		
*Statistics	1	p	t	d	Nursery Operation & Management	1	p		
SCIENCE (page 28-30)					Adv. Livestock Production	2	p		
Physical Science	2				Ag Communications & Leadership	2	p		
Biology I	2	p			Floriculture	1	p		
Chemistry I	1	p			Ag Management & Economics	1	p		
Geology I	1	p			Veterinary Science	2	p	t	
Geology II	2	p	t		**The Personal Finance graduation requirement can be met by one of the following courses: <ul style="list-style-type: none"> • Business - Personal Finance • Ag. - Personal Finance • FACS—Personal Finance 				
*Chemistry II	2	p	t						
*Anatomy and Physiology	2	p	t						
*BIOL 101	1	p	t	d					
*Physics	2	p	t						
*CHEM 101	1	p	t	d					
*CHEM 104	1	p	t	d					
Innovations in Chemistry	1	p							
Environmental Science - Water	1	p							

2020-2021 COURSES

- 1** (1 semester = Half-year course)
- 2** (2 semesters = Full year course)
- p** prerequisite required
- t** teacher permission required
- d** dual credit available

- * Weighted Course
- ** Refer to text box at the bottom of page 17
- *** Receive grade but no credit earned

Courses in BOLD required for graduation

BUSINESS (pages 38-40)					ART (page 51)				
Introduction to Business	2				Art I	2			
Sports Entertainment Management	1				Advanced Art	2	p		
** *Business-Personal Finance	1			d	3D Art	2	p		
Computer Science Essentials	2				Drawing	1	p		
Computer Science Applications	2	p			Painting	1	p		
Accounting I	2				MUSIC (pages 52-53)				
Entrepreneurship	1	p			Music Appreciation	2			
Management and Marketing	1	p			Chorale	2			
*Business Computer Applications	2			d	Beginning Guitar	2	p		
Multi-Media	2				Advanced Girls Choir	2	p	t	
Computer Practicum	2	p	t		Show Choir	2	p	t	
Graphic Art / Desktop Publishing	1	p	t		Concert/Marching Band	2	p	t	
Business Law	1				Jazz Band	2	p	t	
*Social Media Marketing	1			d	DRAMA/THEATER (page 54)				
FAMILY & CONSUMER SCIENCES (pages 41-43)					Drama	1 or 2			t
FCCLA Leadership	2				Theatre Production	1			
*Family Living	1			d	PHYSICAL EDUCATION (page 55)				
*Child Development	1			d	Health	1			
Clothing	1				Girls' Physical Education	1 or 2			
Housing	1				Boys' Physical Education	1 or 2			
**FACS - Personal Finance	1				Life Sports (CO-ED)	2			
Food and Nutrition	2				Girls' Adv. Physical Education	2			t
Teach and Train	2				Boys' Adv. Physical Education	2			t
*Teach and Train Practicum I	2	p		d	ELECTIVES (page 56-57)				
Teach and Train Practicum II	2	p			Skills for Success/Credit Recovery	1 or 2			t
INDUSTRIAL TECHNOLOGY (pages 44)					A+ Tutoring	1			t
Wood Technology I	1				ACT Prep	1			t
Wood Technology II	2	p			Publications	2	p		t
Engineering by Design	1				***Teacher's Aide	1 or 2			t
VOCATIONAL/TECHNICAL (page 45-50)					***Office Aide	1 or 2			t
Supervised Ag. Experience	2	p	t		***Counselors' Aide	1 or 2			t
Supervised Bus. Experience	2	p	t		***Library Aide	1 or 2			t
Southwest Regional Tech Center	2	p	t						

UNDERSTANDING COURSE DESCRIPTIONS

Grade student should be in when taking the class

Cost to student

Information about the course

Course Name
(* denotes weighted course)

Length of Class:
2 semesters = full year (1 credit) &
1 semester = half-year (.5 credit)

Number of credits
Type of Credit

GOVERNMENT

Grade Level: 9 **No. Semesters: 1**
Fee: None **Credit: .5 Social Studies**
Prerequisites: None

Requirements student must meet to take the class

Government covers the branches of the United States government at all levels, interaction of the levels and branches, and the government's responsibilities to citizens. Special emphasis is placed on the constitution, criminal law, economics, and voting.

COURSE DESCRIPTIONS

COMMUNICATION ARTS

LANGUAGE • COMMUNICATION • LANGUAGE

See page 22 for Communication Arts sequence of courses.

COMMUNICATION ARTS I

Grade Level: 9 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Arts**
Prerequisites: None

Communication Arts I involves the study of grammar, sentence structure, and writing, including paragraphs, summaries, and responses to outside readings. Focus is on literature studies of grammar, nonfiction, and writing activities related to this literature, as well as vocabulary studies.

ELEMENTS OF COMMUNICATION ARTS

Grade Level: 9 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Arts**
Prerequisites: Teacher Recommendation only

This class is designed to introduce students to different genres and associated terminology in literature. Students will also review usage, mechanics, the writing process, vocabulary development, and utilization of writing skills to develop an effective paragraph. Based on student performance and teacher discretion, students can be moved to communication Arts I within the first semester.

***This course may not meet admission or NCAA requirements for English/Communications at certain universities.**

ADVANCED COMMUNICATION ARTS I

Grade Level: 9 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Arts**
Prerequisites: Proficient on MAP, i-Ready test results, A- avg. in 8th grade English, Teacher recommendation and writing sample

Advanced Communication Arts I is a preparatory class for Advanced Communications Arts II and III and Advanced Placement English. Students will follow the same course of study as Communications Arts I with a greater emphasis on writing.

COMMUNICATION ARTS II

Grade Level: 10 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Arts**
Prerequisites: Communication Arts I

Communication Arts II is a study of reading, writing, and research skills. Students read and respond to different genres of literature while practicing different reading and writing strategies. There is a focus on writing essays effectively and writing appropriately for a specific genre. Throughout the year, effective research skills are emphasized in both reading and writing aspects.

COMMUNICATION ARTS

LANGUAGE



COMMUNICATION



LANGUAGE

ADVANCED COMMUNICATION ARTS II

Grade Level: 10 **No. Semesters:** 2
Fee: None **Credit:** 1–Comm. Arts
Prerequisites: “A-” average in Communication Arts I or Advanced Communication Arts I, writing sample, i-Ready test results, and teacher recommendation.

Advanced Communication Arts II is a preparatory class for Pre-AP Literature and Composition, and AP Literature and Composition. Students will follow the same course of study as Communications Arts II with a greater emphasis on writing and research.

COLLEGE PREP COMMUNICATION ARTS III

Grade Level: 11 **No. Semesters:** 2
Fee: None **Credit:** 1–Comm. Arts
Prerequisites: Communication Arts I and II

Communication Arts III will be an overview of communication skills; including reading, writing, speaking, and listening. This course will be writing and reading intensive with an emphasis on the proper writing process. Writing will focus on the clarity of expression and correct usage of grammar. Students will read, analyze and discuss non-fiction, short stories, poetry, and drama. Students are expected to hone their critical thinking skills through an emphasis of literary analysis, formal composition, and research. Test preparation and college planning will be a focus and embedded into the course.

***PRE-AP LITERATURE AND COMPOSITION**

Grade Level: 11 **No. Semesters:** 2
Fee: None **Credit:** 1–Comm. Arts
Prerequisites: Proficient or advanced on EOC, “A-” average in Communication Arts I & II or Advanced Communication Arts I and II, writing sample, i-Ready test results, and teacher recommendation.

Pre-AP Literature and Composition covers the class requirements with the addition of major literary works for class study and a more in-depth study of writing skills. This class prepares students for Advanced Placement English.

PROFESSIONAL COMMUNICATIONS III

Grade Level: 11 **No. Semesters:** 2
Fee: None **Credit:** 1–Comm. Arts

Prerequisites: Career Plan Justification and Comm. Arts II

Professional Communications III is a study of writing skills, editing, paragraphs, summaries, and responses to outside reading with special emphasis on technical reading and writing. Students will also complete a research project. There is a continued focus on writing through technical studies, and vocabulary. ***This course may not meet admission or NCAA requirements for English/Communications at certain universities.**

COLLEGE PREP COMMUNICATION ARTS IV

Grade Level: 12 **No. Semesters:** 2
Fee: None **Credit:** 1–Comm. Arts
Prerequisites: Communication Arts I, II, and III

Communication Arts IV will be an overview of communication skills; including reading, writing, speaking, and listening. This course will be writing and reading intensive with an emphasis on the proper writing process. Writing will focus on the clarity of expression and correct usage of grammar. Students will read, analyze and discuss non-fiction, short stories, poetry, and drama. Students are expected to hone their critical thinking skills through an emphasis of literary analysis, formal composition, and research. Test preparation and college planning will be a focus and embedded into the course.

***AP LITERATURE AND COMPOSITION**

Grade Level: 12 **No. Semesters:** 2
Fee: None **Credit:** 1–Comm. Arts
Prerequisites: “A-” average in Communication Arts I, II, or Advanced Communication Arts I, II, and Pre-AP Literature and Composition; test scores; writing sample, and teacher recommendation

AP Literature and Composition is a college-level course. Instruction in clear-cut speech and writing, close reading of texts, logical thought, and self-release through creative expression is emphasized. At the end of this course, a student may pay a fee to take a nation-wide AP examination; if his/her score is acceptable, the student may earn college credit, depending on college requirements.

COMMUNICATION ARTS

LANGUAGE • COMMUNICATION • LANGUAGE

PROFESSIONAL COMMUNICATIONS IV

Grade Level: 12 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Arts**
Prerequisites: Career Plan Justification and College Prep Comm. Arts III or Professional Communications III

Professional Communications IV is a study of reading, writing, and research skills. Students read and respond to different professional scenarios while practicing different reading, writing, and presenting skills. There is a focus on communication effectively and writing appropriately for specific job skills. Throughout the year, effective research skills are emphasized in both reading and writing aspects. ***This course may not meet admission or NCAA requirements for English/Communications at certain universities.**

***SPEECH**

Grade Level: 9-12 **No. Semesters: 1**
Fee: None **Credit: .5-Comm. Art**
Prerequisites: None

Speech studies the art of informative, demonstrative, special occasion, and persuasive speaking in front of a live audience. Students will create and perform original speeches and presentations to mimic real-life public speaking situations. Students will experience a variety of speech styles and delivery methods. Students choose their own topics for each major speech. **Students can earn 3 hours of college credit through Missouri State and it fulfills the college speech requirement. Fees will apply if taking for dual credit.**

DEBATE

Grade Level: 9-12 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Art**
Prerequisites: Teacher Permission

Debate is advanced persuasive speaking with **emphasis** on research, organization, argumentation, logic, and reasoning skills, in addition to all of the key events Interpretation of Duo, Dramatic, Humorous, Prose, Poetry, Duet Acting, Storytelling, Radio, Extemp., Student Congress, and Original Oratory. Students are required to travel with the team in three (3) weekend tournaments each semester **and work our tournament.**

DEBATE II

Grade Level: 10-12 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Art**
Prerequisites: Debate I and Teacher Permission

Debate II is a competition class designed to prepare and polish the students who have auditioned or participated as members of the Speech & Debate Team. Specifically, this course will explore a variety of topics including, but not limited to, characterization, internalization, dialects, vocal process, diction, IPA, movement for the performer, literature analysis, cutting literature, research, performance, competitive performances, technique, adapting literature, in addition to all of the key events Interpretation of Duo, Dramatic, Humorous, Prose, Poetry, Duet Acting, Storytelling, Radio, Extemp., Student Congress, and Original Oratory. Students are required to travel with the team in three (3) weekend tournaments first semester, four (4) second semester **and work our tournament.** This class may be repeated for credit.

PUBLIC COMMUNICATIONS

Grade Level: 9-12 **No. Semesters: 1**
Fee: None **Credit: .5-Comm. Art**
Prerequisites: None

Public Communications explores all the ways we communicate in society when it is **not a speech.** This includes media, technology, person to person, intrapersonal, and group, along with non-verbal and listening skills. Projects including; mock interviews resume building, radio and television programs, and conflict-resolution skills will give students practical communication experience needed to become successful job candidates in the work force and in college.

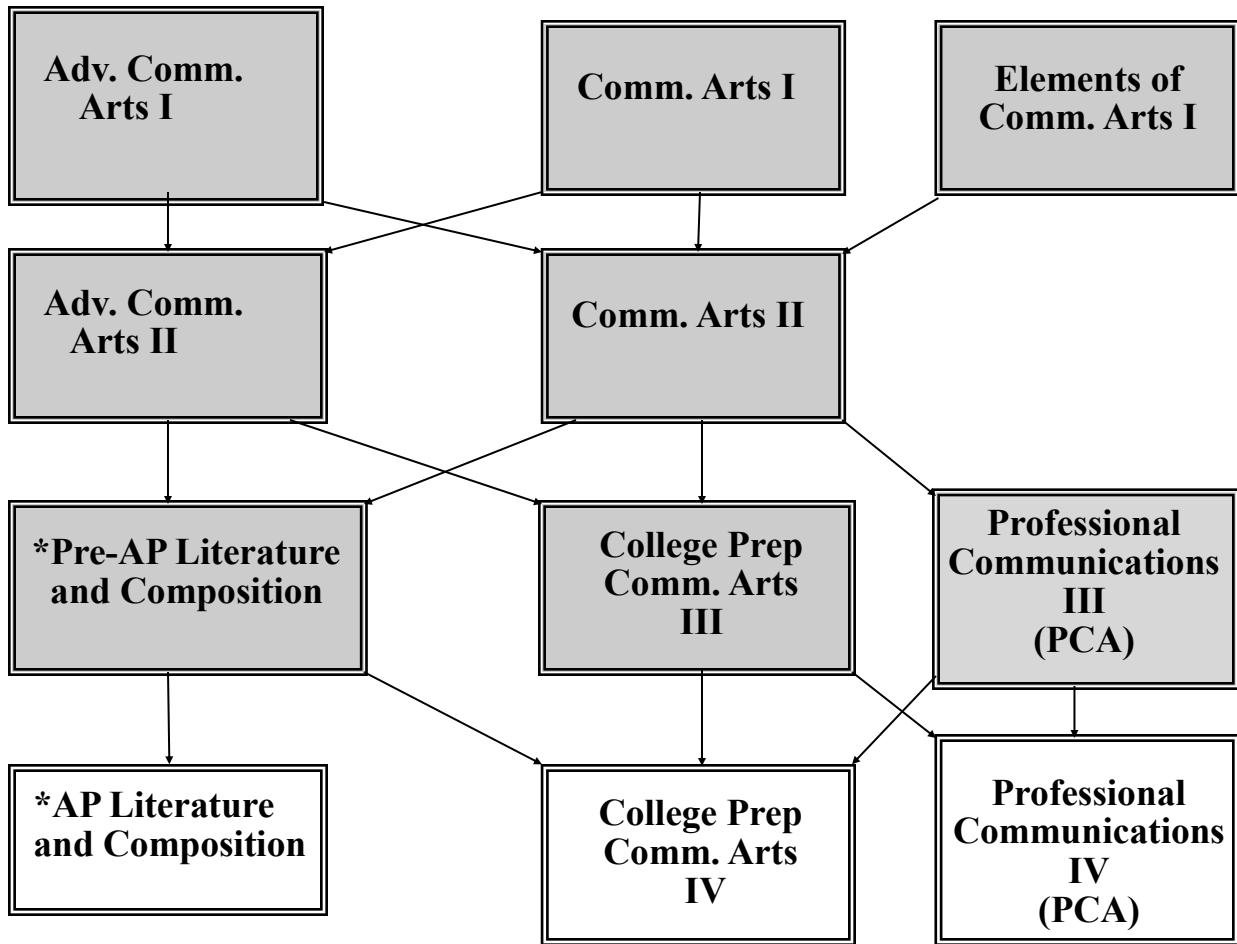
CREATIVE WRITING

Grade Level: 12 **No. Semesters: 2**
Fee: None **Credit: 1-Comm. Arts**
Prerequisites: "A-" average in Communication Arts I, II, or Advanced Communication Arts I, II, and Pre-AP Literature and Composition; test scores; writing sample, and teacher recommendation

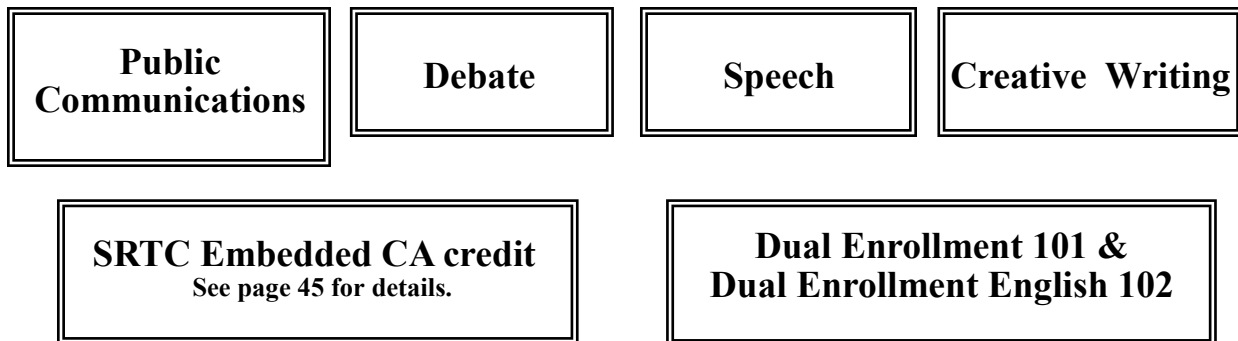
This course will focus on expressive writing in many different forms. Students will have the opportunity to explore several different types of poetry and prose styles, as well as responding to literature, art mediums, quotes, and music. Originality and writing that shows thought will be emphasized. Strategies to avoid writer's block and new ways to uncover ideas for writing will be studied. Peer reviews and sharing ideas are essential elements to this course.

COMMUNICATION ARTS PROGRESSION

Three of your four Communication Arts graduation requirements must come from within the gray boxes below.



The courses below will satisfy the fourth Communication Arts graduation requirement.



MATHEMATICS

MATH • MATH • MATH • MATH • MATH • MATH

*See page 26 for sequence of math courses.
Students have the choice of two math pathways.*

ELEMENTS OF ALGEBRA

Grade Level: 9-12 No. Semesters: 2
Fee: None Credit: 1– Math

Prerequisites: Teacher Recommendation

Transitions Algebra is designed for students who traditionally have struggled with math in middle school. Students will work on basic weaknesses in math concepts. Upon completion of this course, students will move on to Algebra I.

ALGEBRA I

Grade Level: 9-12 No. Semesters: 2
Fee: None Credit: 1– Math

Prerequisites: None

Algebra I is designed to improve students’ problem-solving, decision-making, and precision of mathematical language. Fundamental operations are applied in the solution of equations and inequalities. Concepts are presented in a more traditional math classroom environment.

ALGEBRA II

Grade Level: 10-12 No. Semesters: 2
Fee: None Credit: 1– Math

Prerequisites: Geometry or Informal Geometry

Algebra II studies algebraic and trigonometric concepts intended as a foundation for advanced mathematics courses.

ADVANCED ALGEBRA II

Grade Level: 10-12 No. Semesters: 2
Fee: None Credit: 1– Math

Prerequisites: “A-” average in Algebra I and Geometry; test scores; and teacher recommendation

Advanced Algebra II is designed for college bound students. Instruction in this course involves Algebraic concepts, advanced Algebraic concepts, and various math projects to help students prepare for the ACT and College level coursework.

GEOMETRY

Grade Level: 9-12 No. Semesters: 2
Fee: None Credit: 1– Math

Prerequisites: Algebra I and Teacher recommendation

Freshman Pre-requisite: 80% or higher in Algebra I and 80% or higher on Geometry Readiness Exam.

Geometry introduces the student to formal and informal proofs and the use of inductive and deductive reasoning. Concepts of spatial geometry are combined with plane geometry throughout the course.

ADVANCED GEOMETRY

Grade Level: 9-12 No. Semesters: 2
Fee: None Credit: 1– Math

Prerequisites: “A-” average in Algebra I; test scores; and teacher recommendation

Advanced Geometry is designed for college bound students. Instruction in this course involves advanced Geometric concepts, Trigonometric concepts and various math projects to help prepare for the ACT and College level coursework.

INFORMAL GEOMETRY

Grade Level: 10-12 No. Semesters: 1
Fee: None Credit: .5– Math

Prerequisites: Algebra I and Teacher recommendation

Informal Geometry introduces the student to informal proofs and the use of inductive and deductive reasoning. Concepts of spatial geometry are combined with plane geometry throughout the course.

****Sophomores may take Geometry and Algebra II concurrently only with teacher approval**

MATHEMATICS

MATH • MATH • MATH • MATH • MATH • MATH

APPLIED MATH

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5- Math
Prerequisites: Algebra I and Teacher recommendation

Applied Mathematics is a comprehensive math course focusing on real life applications such as earning money, personal banking, buying food, buying a house, paying taxes, buying insurance, buying a car, and the math skills needed for the consumer. Additionally, we use problem solving strategies to solve a wide range of consumer problems. ***This course may not meet admission requirements for math at certain universities.**

**INTERMEDIATE ALGEBRA
(MATH 100)**

Grade Level: 11-12 **No. Semesters:** 2
Fee: None **Credit:** 1- Math
Prerequisites: Algebra I, Informal Geometry and Geometry

Intermediate Algebra prepares students for Algebra II and College Algebra. This course is recommended for students who need more review of Algebra concepts.

***QUANTITATIVE REASONING
(MATH 125)**

Grade Level: 11-12 **No. Semesters:** 1
Fee: \$60/credit hr. EST. **Credit:** .5- Math
*Prerequisites: Algebra II or Intermediate Algebra credit and must meet state requirements for dual credit & teacher recommendation. **see box on page 25.*

Quantitative Reasoning studies the skills necessary to process and communicate quantitative information found in daily life. Specific topics include: probability, statistics, proportional reasoning, modeling data, financial mathematics, and problem solving. This is offered as a dual-credit class through Crowder College. A fee is required for **three** hours of college credit. **If qualifications for dual-credit classes are not met prior to the first day of class, then you will not receive dual credit.**

***ALGEBRA FOR CALCULUS
(MATH 135)**

Grade Level: 11-12 **No. Semesters:** 1
Fee: \$60/credit hr. EST. **Credit:** .5- Math
*Prerequisites: Algebra II or Intermediate Algebra credit and must meet state requirements for dual credit & teacher recommendation. **see box on page 25.*

Algebra for Calculus is a study of operations and relationships among numbers through the use of variables to develop algebraic skills at the college level. This is offered as a dual-credit class through Crowder College. A fee is required for **three** hours of college credit. **If qualifications for dual-credit classes are not met prior to the first day of class, then you will not receive dual credit.**

***COLLEGE TRIGONOMETRY**

Grade Level: 11-12 **No. Semesters:** 1
Fee: \$60/credit hr. EST. **Credit:** .5- Math
*Prerequisites: Algebra II credit and must meet state requirements for dual credit & teacher recommendation. **see box on pg. 25.*

College Trigonometry covers the relationships of the parts of a triangle, the trigonometric functions, and applications using algebraic and geometric skills developed in Algebra II and Geometry. This is offered as a dual-credit class through Crowder College. A fee is required for **two** hours of college credit. **If qualifications for dual-credit classes are not met prior to the first day of class, then you will not receive dual credit.**

MATHEMATICS

MATH • MATH • MATH • MATH • MATH • MATH

*CALCULUS I (MATH 150)

(Part I - 1st semester)

Grade Level: 11-12 No. Semesters: .5
 Fee: \$60/credit hr. EST. Credit: .5– Math
*Prerequisites: College Trigonometry and Algebra for Calculus MATH 135 (may be taken concurrently) or an appropriate placement exam score; MATH 112 (may be taken concurrently) or an appropriate placement score. Must meet state requirements for dual credit & teacher recommendation. **see box on page 25.*

This course begins a sequence of calculus and analytical geometry courses. Topics include the derivative and its applications. Students should have a good background in algebra, geometry and trigonometry. This is offered as a dual-credit class through Crowder College. A fee is required for **two** hours of college credit.

*CALCULUS I (MATH 160)

(Part II - 2nd semester)

Grade Level: 11-12 No. Semesters: .5
 Fee: \$60/credit hr. EST. Credit: .5– Math
*Prerequisites: College Trigonometry and Calculus I MATH 150 credit and must meet state requirements for dual credit & teacher recommendation. **see box on page 25*

This course continues the study of Calculus, including applications of the derivative, L'Hopital's rule, and the integral. Students should have a good background in algebra, geometry and trigonometry. This is offered as a dual-credit class through Crowder College. A fee is required for **three** hours of college credit.

*STATISTICS

Grade Level: 11-12 No. Semesters: 1
 Fee: \$66/credit hr. EST. Credit: .5– Math
*Prerequisites: Algebra II and must meet state requirements for dual credit & teacher recommendation. **see box on pg. 25.*

Statistics is an introduction to descriptive and inferential statistics, including the organization and presentation of data, averages, variations, and hypothesis testing. This is offered as a dual-credit class through Crowder College. A fee is required for **three** hours of college credit. **If qualifications for dual-credit classes are not met prior to the first day of class, then you will not receive dual credit.**

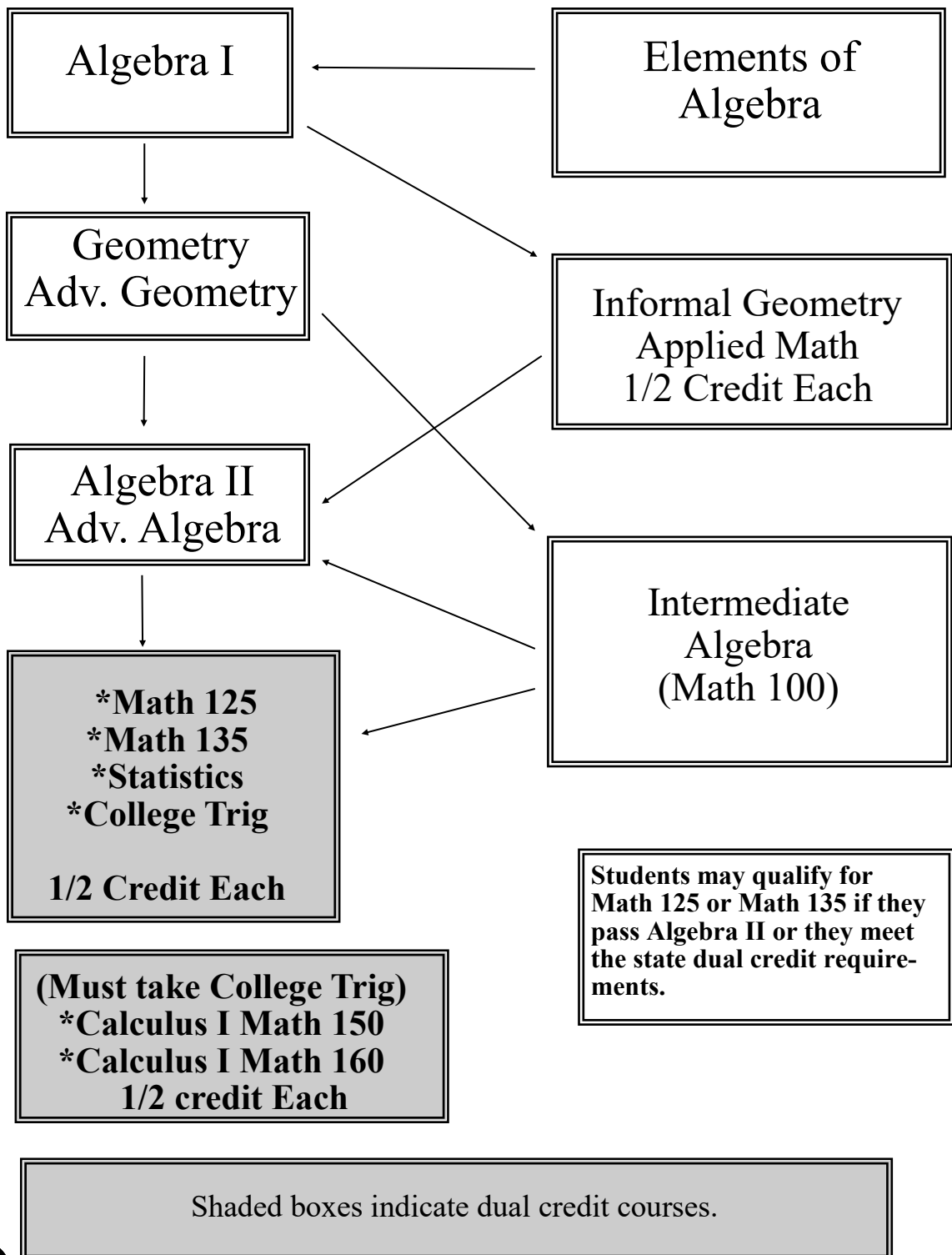
****State requirement for dual credit**

- Must have an 2.5 GPA
- Appropriate ACT

MATH CLASS PROGRESSION

Graduation Requirements : 3 Math credits

Progression through either Math pathway may qualify students for college entrance requirements and for college prep certificates.



SUGGESTED COURSES FOR COLLEGE MAJORS

QUANTITATIVE REASONING (MATH 125)

Accounting
Agriculture-Business Tech
Agriculture-Business Marketing
Alternative Energy-Wind
Art & Design
Business Administration
Certified Nursing Assistant
General Education degree
Graphic Design
History
Journalism
Medical Assistant
Nursing
Occupational Therapy
Paramedics
Pharmacy Tech
Photography
Physical Education
Social Work
Teaching
Theatre

ALGEBRA FOR CALCULUS (MATH 135)

Agriculture
Automation/Robotics
Alternative Energy-Solar
Biology
Chemistry
Computer Science
Computer Network
Construction
Criminal Justice
Engineering
Fire Science
Information Science
Mathematics
Medicine
Physical Science
Physics
Pre-Vet Medicine
Psychology
Vet Tech
Welding

SCIENCE

SCIENCE • SCIENCE • SCIENCE • SCIENCE • SCIENCE

*See page 30 for Science sequence of courses***PHYSICAL SCIENCE****Grade Level: 9** **No. Semesters: 2**
Fee: None **Credit: 1– Science****Prerequisites:** *None*

Physical Science is a fundamental course in scientific concepts with emphasis in the laws of physical science. Students also gain knowledge of basic chemistry, physics, and earth science.

BIOLOGY I**Grade Level: 10** **No. Semesters: 2**
Fee: None **Credit: 1– Science****Prerequisites:** *Physical Science*

Biology I is a course covering the characteristics of living things, ecology, and genetics. Students will be expected to perform laboratory work.

CHEMISTRY I**Grade Level: 11**** **No. Semesters: 1**
Fee: None **Credit: .5 - Science****Prerequisites:** *Physical Science, Biology, or teacher approval*

Chemistry I is a semester course covering properties and principles of matter and energy. Laboratory work is required.

GEOLOGY I**Grade Level: 11**** **No. Semesters: 1**
Fee: None **Credit: .5 - Science****Prerequisites:** *Physical Science, Biology, or teacher approval*

Geology I is a semester course covering geological processes and their relationships to landforms, natural resources, living environments, and human society. Laboratory work is required.

GEOLOGY II**Grade Level: 12** **No. Semesters: 2**
Fee: None **Credit: 1– Science****Prerequisites:** *Physical Science, “C” average in Biology I, Chemistry I and Geology I; or teacher approval*

Geology II is a course covering the basic principles of physical and historical geology. Students will investigate how earth materials and processes impact human activities and how human activities influence the geological environment. Laboratory work is required.

PHYSICS*Grade Level: 10-12** **No. Semesters: 2**
Fee: None **Credit: 1– Science****Prerequisites:** *Physical Science / Algebra I*

Physics introduces the student to physical concepts such as force, motion, heat, and optics. Considerable math skills are required. Laboratory work is required. **This course may be taken concurrently with algebra II.**

INNOVATIONS IN CHEMISTRY**Grade Level: 9-12** **No. Semesters: 1**
Fee: None **Credit: .5 - Science****Prerequisites:** *Physical Science, Biology I, Chemistry I, Geology I*

Topics include a variety of timely science subjects that could include food chemistry, biochemistry, physical chemistry, and analytical chemistry topics. Students will also explore career options in science fields.

**Sophomores may take Chemistry I/Geology I concurrently with Biology I if the student has maintained a “B” average in Physical Science and/or teacher approval. Sophomores may take Physics concurrently with Biology I if the student has maintained a “B” average in Physical Science, meets the Math prerequisites, and/or teacher approval.

Note: Students cannot take Chemistry I and Chemistry II concurrently.

SCIENCE

SCIENCE • SCIENCE • SCIENCE • SCIENCE • SCIENCE

***CHEMISTRY II**

Grade Level: 11-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Science

Prerequisites: *Physical Science, “C” average in Biology I, Chemistry I & Geology I; along with Algebra II (could be taken concurrently with teacher approval)*

Chemistry II involves the study of the structure of matter and the changes it undergoes. Concepts of classification of substances, chemical composition, mole relationships, and chemical reaction processes are emphasized. Laboratory work is required.

***CHEM 101: SURVEY OF CHEMISTRY**

Grade Level: 11-12 **No. Semesters:** 1
Fee: \$60/credit hr. EST. **Credit:** .5- Science
Prerequisites: *Cumulative GPA of 3.0 (B), “B” in Biology I & Chemistry I (or equivalent) and must meet state requirements for dual credit & teacher recommendation. **see box on page 25.*

This course for non-science majors satisfies part of the general education science requirement. The scope is quite broad with emphasis on descriptive rather than theoretical chemistry. Topics illustrating the impact of chemistry on society and aspects of chemistry applicable to every day living are taken from inorganic, organic and biochemistry. Credit may not be earned for both chemistry 101 and 104. **A fee is required if taken as a Dual Credit class for 4 credit hours earned through Crowder College.**

***ANATOMY AND PHYSIOLOGY**

Grade Level: 11-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Science

Prerequisites: *Physical Science and “C” average in Biology I*

Anatomy and Physiology involves the study of the structures and the functions of the human body. Laboratory work is required.

***CHEM 104: CHEMISTRY FOR HEALTH SCIENCES**

Grade Level: 11-12 **No. Semesters:** 1
Fee: \$60/credit hr. EST. **Credit:** .5- Science
Prerequisites: *Cumulative GPA of 3.0 (B), “B” in Biology I & Chemistry I (or equivalent) and must meet state requirements for dual credit & teacher recommendation. **see box on page 25.*

This course for students planning to enter certain health fields satisfies part of the general education science requirement. (This could include, but is not limited to: Veterinary Technology, Certified Medical Assistant, Paramedic, etc.) The scope of the course is quite broad with emphasis on descriptive rather than theoretical chemistry. Topics are taken from inorganic, organic and biochemistry with emphasis on those concepts that have application in human health. Credit may not be earned for both Chemistry 101 and 104. **A fee is required if taken as a Dual Credit class for 4 credit hours earned through Crowder College.**

***BIOL 101: PRINCIPLES OF BIOLOGICAL SCIENCE**

Grade Level: 11-12 **No. Semesters:** 1
Fee: \$60/credit hr. EST. **Credit:** .5 - Science
Prerequisites: *Cumulative GPA of 3.0 (B), “B” in Biology I & Chemistry I (or equivalent) and must meet state requirements for dual credit & teacher recommendation. **see box on page 25.*

General Biology is an introduction to the study of Biology and covers principles of life science from the chemical basis of life to the interactions between living organisms and their environment. The unifying biological principles of cell structure and function, genetics, development, metabolism, reproduction, and ecology are addressed. This course fulfills the life science general education requirement and is required for Biology majors. A practical laboratory component emphasizes scientific investigations and supports lecture material. **A fee is required if taken as a Dual Credit class for 4 credit hours earned through Crowder College.**

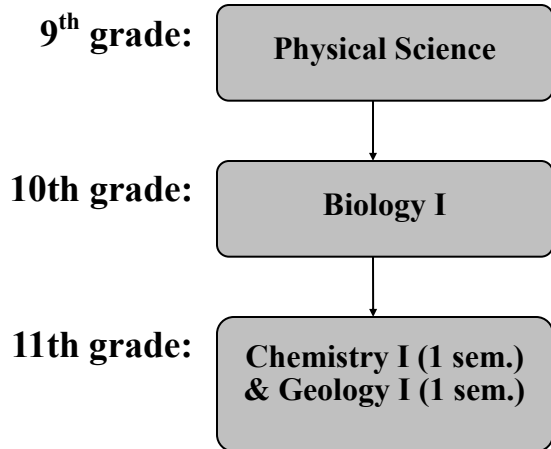
ENVIRONMENTAL SCIENCE: WATER

Grade Level: 9 -12 **No. Semesters:** 1
Fee: None **Credit:** .5 - Science
Prerequisites: *Physical Science, Biology I, Chemistry I, Geology I*

Introduction to aspects of water quality science, management and policy. Topics include aquatic ecology, lake and coastal management, groundwater geology, well hydraulics water chemistry, water supply and treatment, watershed management with respect to land usage and urban development, and toxicology. Environmental science careers will be related to course content.

SCIENCE COURSE PROGRESSION
3 Science Credits Required

Courses in shaded areas are required for graduation.



Elective Advanced Courses
**weighted*

***Anatomy & Physiology**

***BIOL 101 (Dual Credit)**

***Physics**

***Chemistry II**

Geology II

***Chemistry 101 (Dual Credit)**

or

***Chemistry 104 (Dual Credit)**

Innovations in Chemistry

Environment Science: Water

Prerequisite requirements listed in course description.

CONCURRENT CLASS OPTIONS

Chemistry I (1 sem.) & Geology I (1 sem.)

Biology I

Sophomores who have maintained a “B” average in Physical Science or have teacher approval, may take Chemistry I and Geology I concurrently with Biology I.

Physics

Biology I

Sophomores who have maintained a “B” average in Physical Science, meet math prerequisites and/or have teacher approval, may take Physics concurrently with Biology I.

Students *cannot* take Chemistry I and *Chemistry II concurrently.

SOCIAL STUDIES

HISTORY • HISTORY • HISTORY • HISTORY • HISTORY

GOVERNMENT

Grade Level: 11-12 **No. Semesters:** 1
Fee: None **Credit:** .5 Social Studies
Prerequisites: None

Government covers the branches of the United States government at all levels, interaction of the levels and branches, and the government's responsibilities to citizens. Special emphasis is placed on the constitution, criminal law, economics, and voting. **Requirement for graduation.**

AMERICAN HISTORY

Grade Level: 11 **No. Semesters:** 2
Fee: None **Credit:** 1 Social Studies
Prerequisites: None

American History teaches students about the colonization, development, and uniting of the states to Reconstruction. In addition, the political, social, and economic forces that shaped the United States into a world power are also studied. **Requirement for graduation.**

CIVICS

Grade Level: 9 **No. Semesters:** 1
Fee: None **Credit:** .5 Social Studies
Prerequisites: None

Civics will introduce foundational government concepts to students to help them prepare for Social Studies concepts in World History, American History, and Government. Students will learn about local, state, and federal government concepts, as well as, the importance of civic participation in their community and the world beyond.

WORLD HISTORY

Grade Level: 10 **No. Semesters:** 2
Fee: None **Credit:** 1 Social Studies
Prerequisites: None

World History is an overview of world civilizations and cultures from prehistoric times to the present. Special attention is given those events, institutions, and personalities that have shaped society.

PSYCHOLOGY

Grade Level: 11-12 **No. Semesters:** 1
Fee: None **Credit:** .5 Soc. Studies
Prerequisites: None

Psychology aids students in understanding how human behavior is influenced by biology and the environment. Course availability depends on enrollment.

CURRENT ISSUES

Grade Level: 11-12 **No. Semesters:** 1
Fee: None **Credit:** .5 Soc. Studies

Prerequisites: None

Current Issues offers the student an in-depth view of events shaping the world. Students will discuss current news topics and major events which impact their lives. Course availability depends on enrollment.

SOCIAL STUDIES**HISTORY • HISTORY • HISTORY • HISTORY • HISTORY****THE SECOND WORLD WAR**

Grade Level: 11-12 **No. Semesters:** 1
Fee: None **Credit:** .5 Soc. Studies

Prerequisites: None

The Second World War examines United States citizens, the war, and its influences in Europe, the Pacific, and at home during 1941-1945. Course availability depends on enrollment.

HISTORY OF THE CIVIL WAR

Grade Level: 11-12 **No. Semesters:** 1
Fee: None **Credit:** .5 Soc. Studies

Prerequisites: None

History of the Civil War offers an in-depth study of the causes, effects, tactics, battles, and participants of the Civil War. Course availability depends on enrollment.

***SURVEY OF AMERICAN HISTORY**

Grade Level: 11-12 **No. Semesters:** 2
Fee: \$60/credit hr. EST. **Credit:** 1 Soc. Stud.

Prerequisites: a minimum "B" average, teacher approval and must meet state requirements for dual credit & teacher recommendation.

***see box on page 25.*

The first semester of Survey of American History covers America's early history from the Age of Discovery through the Reconstruction period following the Civil War. Second semester traces America's past from the post-Civil War Era to the present. This is a dual-credit class, and each semester may be taken for **three** hours of college credit per semester through Crowder College.

FOREIGN LANGUAGE

FRENCH • FRENCH • FRENCH • FRENCH • FRENCH

FRENCH I

Grade Level: 9-11 No. Semesters: 2
Fee: None Credit: 1– Elective
Prerequisites: Recommendation of Communication Arts teacher

This course is for the above average language student and introduces elements of French vocabulary, pronunciation, grammar structure, and sentence composition. French geography and culture are taught. Students will be expected to understand, speak, and write on lesson topics.

***FRENCH II**

Grade Level: 10-12 No. Semesters: 2
Fee: None Credit: 1– Elective
Prerequisites: Teacher Approval
(Recommended minimum French I grade: B-)

This course is a continuation of French I. It involves further study of pronunciation, vocabulary, and the use of more complex structures of grammar. The student continues learning French geography and culture and begins a study of French history.

***FRENCH III**

Grade Level: 11-12 No. Semesters: 2
Fee: None Credit: 1– Elective
Prerequisites: Teacher Approval
(Recommended minimum French II grade: B-)

This course continues the study of French with emphasis placed on reading and responding to the readings in French. Individual composition and conversation are stressed. This level emphasizes the improvement of skills for college study and preparation for a college placement exam. Course offering depends upon enrollment.

***FRENCH IV**

Grade Level: 12 No. Semesters: 2
Fee: None Credit: 1– Elective
Prerequisites: Teacher Approval
(Recommended minimum French III grade: B-)

This course is a continuation of French III studies. French IV will be offered based on enrollment and teacher availability.

FOREIGN LANGUAGE**SPANISH • SPANISH • SPANISH • SPANISH • SPANISH****SPANISH I**

Grade Level: 9-11 **No. Semesters:** 2
Fee: None **Credit:** 1– Elective
Prerequisites: Recommendation of Communication Arts teacher

This course is for the above average language student. Elements of Spanish vocabulary, pronunciation, grammar structure, and sentence composition are introduced. Geography of Spanish-speaking countries and their culture will be covered. Students will be expected to understand, speak, and write on lesson topics. It is recommended that students have a C average or better in English before taking this course. Please note that native Spanish speakers may be allowed to test out of Spanish I.

***SPANISH II**

Grade Level: 10-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Elective
Prerequisites: Teacher Permission

(Recommended minimum Spanish I grade: B-)
This course is a continuation of Spanish I. The use of complex structures of grammar and further coverage of pronunciation and vocabulary will be taught. Students will expand their knowledge of Spanish geography and culture.

***SPANISH III**

Grade Level: 11-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Elective
Prerequisites: Teacher Permission

(Recommended minimum Spanish II grade: B-)
This course reiterates what was learned in Spanish I and Spanish II and emphasizes reading and responding to readings in Spanish. Students will do individual compositions, refine conversation techniques, and improve skills in preparation for college study and a college placement exam. Students will read at least one novel, participate in Spanish/Mexican cooking, game-based projects, and skit performances. Course offering depends upon enrollment.

***SPANISH IV**

Grade Level: 12 **No. Semesters:** 2
Fee: None **Credit:** 1– Elective
Prerequisites: Teacher Permission

(Recommended minimum Spanish III grade: B-)
This course is a continuation of Spanish III studies. Spanish IV will be offered based on enrollment and teacher availability.

PRACTICAL ARTS & VOCATIONAL EDUCATION

AGRICULTURE • AGRICULTURE • AGRICULTURE

INTRODUCTION TO AGRICULTURE, FOOD, AND NATURAL RESOURCES

Grade Level: 9-11 **No. Semesters:** 2
Fee: None **Credit:** 1– Prac. Arts

Prerequisites: None

Offered every year 2020, 2021, 2022, & 2023

This beginning course in the CASE sequence of courses introduces students to the four pathways that are offered through CASE. The course provides a brief overview of animal science, plant science, natural resources and agricultural technology and systems. In addition, students will explore FFA, leadership, Supervised Agricultural Experience, science applications, and career and post-secondary opportunities.

AGRICULTURE PERSONAL FINANCE

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 – Prac. Arts /
 Personal Finance

Prerequisites: None

Offered Fall 2020 and Fall 2021

This course combines personal finance with agricultural economic principles. Computer applications are included to enhance students’ understanding and utilization of current technology. Units will include: income, finance management, expenditures & receipts, and savings & investing. *Course fulfills the .5 Personal Finance graduation requirements, as well as .5 Practical Arts credit. However, it only counts as a .5 credit toward the total 25 credit graduation requirement.*

PRINCIPLES OF AG SCIENCE - ANIMAL

Grade Level: 10-12 **No. Semesters:** 2
Fee: None **Credit:** 1 - Prac. Arts

Prerequisites: Intro to AFNR

Offered 2022

This foundations course is designed to be the second course in the CASE sequence for the Animal Systems pathway. It provides activities, projects, and problems based on the history and the use of animals in society, handling and safety, cells and tissue, nutrition, reproduction, genetics, animal health, and animal products and marketing. In addition, students will continue to develop leadership potential through FFA, establish a Supervised Agricultural Experience Program, and to explore career opportunities.

GREENHOUSE OPERATIONS AND MANAGEMENT

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 - Prac. Arts

Prerequisites: Intro To AFNR

Offered Spring 2021

This course develops a basic understanding of greenhouse techniques. The production of greenhouse crops will be used to demonstrate procedures, such as plants started from cuttings, seeds, grafts, and layering. Students will manage their own crop as a greenhouse project.

LANDSCAPING

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 - Prac. Arts

Prerequisites: Intro To AFNR

Offered Fall 2020

This course includes the basic techniques of landscape design, landscape construction, installation, and maintenance.

AGRICULTURE POWER AND TECHNOLOGY

Grade Level: 10-12 **No. Semesters:** 2
Fee: None **Credit:** 1 - Prac. Arts

Prerequisites: Intro To AFNR

Offered every year 2020, 2021, 2022, & 2023

This course is designed to prepare students for the wide array of career opportunities in agricultural engineering. Students are immersed in inquiry-based exercises that tie in the math and science of agricultural mechanics and engineering.

CONSERVATION OF NATURAL RESOURCES

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5– Prac. Arts

Prerequisites: Intro to AFNR

Offered Spring 2022

This course prepares students for activities in the conservation and/or improvement of natural resources such as oil, water, air, forests, and fish and wildlife for economic and recreational purposes.

PRACTICAL ARTS & VOCATIONAL EDUCATION

AGRICULTURE • AGRICULTURE • AGRICULTURE

ADVANCED ANIMAL SCIENCE*Grade Level: 11-12 No. Semesters: 2****Fee: None Credit: 1 - Prac. Arts*****Prerequisites: Principles of Ag Science Animal or Intro to AFNR with instructor approval.*****Offered 2021**

This course will cover fundamental essential concepts of livestock production, selection and its relation to production, types, market classes and grades of cattle, swine, sheep, and goats.

Students can earn 4 hours of college credit through Crowder College. Fees will apply if taking for dual credit.

AGRICULTURE STRUCTURES**Grade Level: 11-12 No. Semesters: 2****Fee: None Credit: 1 - Prac. Arts*****Prerequisites: Ag Power & Technology or Intro to AFNR and instructor approval.*****Offered every year 2020, 2021, 2022, & 2023**

A course designed for instruction in any of the following areas; electrical wiring, electrical motors, concrete masonry, plumbing and sewage disposal, farm fences, product handling and processing equipment, and farm buildings.

AGRICULTURE CONSTRUCTION**Grade Level: 11-12 No. Semesters: 2****Fee: None Credit: 1 - Prac. Arts*****Prerequisites: Ag Power & Technology or Intro to AFNR and instructor approval.*****Offered every year 2020, 2021, 2022, & 2023**

This course utilizes welding in the development and construction of major metal and wood projects.

FOOD SCIENCE & TECHNOLOGY**Grade Level: 10-12 No. Semesters: 1****Fee: None Credit: .5 - Prac. Arts*****Prerequisites: Intro to AFNR*****Offered Spring 2021**

This course includes the areas of food chemistry and nutrition, food additives, food packaging and labeling, evaluation of foods, food microbiology, food processing, food fermentation, principles of sanitation, and quality control.

NURSERY OPERATION AND MANAGEMENT**Grade Level: 10-12 No. Semesters: 1****Fee: None Credit: .5- Prac. Arts*****Prerequisites: Intro to AFNR*****Offered Fall 2021**

This course includes the production of plants, shrubs, and trees for the purpose of transplanting or propagation. Approved practices in wholesaling and retailing of nursery crops will be applied.

ADVANCED LIVESTOCK PRODUCTION**Grade Level: 11-12 No. Semesters: 2****Fee: None Credit: 1 - Prac. Arts*****Prerequisites: Intro To AFNR*****Offered 2023**

A course designed for instruction in the production, management and marketing of livestock native to and common in the geographic region in which the course is offered. In Southwest Missouri this may include but is not limited to; beef cattle, poultry, equine, swine, and small animal production.

AGRICULTURAL COMMUNICATIONS AND LEADERSHIP**Grade Level: 10-12 No. Semesters: 2****Fee: None Credit: 1 - Prac. Arts*****Prerequisites: Intro to AFNR*****Offered 2021**

This course will enable students to develop the knowledge, attitudes and skills to demonstrate positive leadership for agriculture. Areas of focus include public speaking, extemporaneous speaking, impromptu speaking, written communications, meeting people, good first impressions, personal goals, team work, team/organizational goals, organizing groups to take action and evaluation of team/organizational actions.

PRACTICAL ARTS & VOCATIONAL EDUCATION

AGRICULTURE • AGRICULTURE • AGRICULTURE

FLORICULTURE

Grade Level: 10-12 No. Semesters: 1
 Fee: None Credit: .5– Prac. Arts

Prerequisites: Intro To AFNR

Offered Spring 2022

This course includes the production, arrangement and retailing of flowers. It includes fresh, silk, or dried flowers to be used in the design of corsages, wedding bouquets, table flower arrangement, and seasonal holiday decorations.

AGRICULTURAL MANAGEMENT AND ECONOMICS

Grade Level: 11-12 No. Semesters: 1
 Fee: None Credit: .5– Prac. Arts

Prerequisites: Intro to AFNR

Offered Spring 2023

This course combines farm management, agribusiness management, and content based on agricultural economic principles. Computer applications are included to enhance student understanding and utilization of current technology. Units include human relations, verbal and written communication, microcomputers in agriculture, economic principles, farm planning, agribusiness functions, and business management.

Students can earn 3 hours of college credit through Crowder College. Fees will apply if taking for dual credit.

VETERINARY SCIENCE

Grade Level: 11-12 No. Semesters: 2
 Fee: None Credit: 1 – Prac. Arts

Prerequisites: Principles of Ag Science Animal or Intro to AFNR with instructor approval.

Offered 2020

Both food and companion animals are studied in this course. Topics include: cell and tissue biology, anatomy, physiology, nutrition, disease prevention and diagnosis, and surgical procedures.

SUPERVISED AGRICULTURE EXPERIENCE CO-OP (Ag SAE)

Grade Level: 12

Prerequisites: Intro to AFNR, and any combination of two additional advanced agricultural courses.

Offered every year 2020, 2021, 2022, & 2023

This course provides for the enrollment of students that are released on school time to complete a cooperative occupational experience in an approved training station in agriculture.

SEE PAGE 45 FOR FULL DESCRIPTION.

PRACTICAL ARTS & VOCATIONAL EDUCATION**BUSINESS • BUSINESS • BUSINESS • BUSINESS****INTRODUCTION TO BUSINESS****Grade Level: 9-10 No. Semesters: 2**
Fee: None Credit: 1 – Prac. Arts**Prerequisites: None**

Introduction to Business is designed to improve economic citizenship through the study of personal business. Topics include organization and management, consumer economics, social economics, the global marketplace, the world of work, and career selection.

BUSINESS COMPUTER APPLICATIONS (DUAL CREDIT)*Grade Level: 10-12 No. Semesters: 2**
Fee:\$60/credit hr. EST. Credit: 1 – Prac. Arts**Prerequisites: None**

Computer Applications key skills applied to Microsoft Office are word processing, database, spreadsheet, presentation, and publication software. Grades 10, 11, and 12 may take this course for dual credit through Crowder College (3 credit hours for approx. \$180). This class is also articulated for juniors and seniors through Ozarks Technical College where students can earn college credit for this course if they plan on attending OTC in the future. There is no charge for articulated credit.

COMPUTER PRACTICUM**Grade Level: 11-12 No. Semesters: 2**
Fee: None Credit: 1 – Prac. Arts**Prerequisites: By Permission**

Students in this course will be required to work independently and cooperatively with other students to learn to support the computer hardware and software throughout the district. Activities will include the completion of hands-on activities. The activities will consist of the fulfillment of tech requests from other students, teachers, administrators, and support staff throughout the district. Students will use reference manuals, tutorial exercises, textbooks, telephone support lines, computers and their peripherals, and on-line documentation and related assistance as they fill the received requests. Students will have individual work areas in the classroom and will also learn much about time management and project prioritization as projects and responsibilities change on a daily, and sometimes hourly, basis.

MULTI-MEDIA**Grade Level: 11-12 No. Semesters: 2**
Fee: None Credit: 1 – Prac. Arts**Prerequisites: None**

Multi-Media will focus on advanced topics such as Desktop Publishing, Photo Editing, and Multimedia. This course is project-based with many deadlines. Students must be able to exhibit time management as well as be able to complete self-directed tasks. (Repeatable)

COMPUTER SCIENCE ESSENTIALS (PLTW)**Grade Level: 9-12 No. Semesters: 2**
Fee: None Credit: 1 - Prac. Arts**Prerequisites: None**

Students collaborate to create mobile applications, solve problems, and create value for others through innovation and creativity. Explore how innovations in computing impact and connect our world. With a gentle introduction to programming, you will learn how to put your designs into practice.

COMPUTER SCIENCE APPLICATIONS (PLTW)**Grade Level: 9-12 No. Semesters: 2**
Fee: None Credit: 1 - Prac. Arts**Prerequisites: Computer Science Essentials and/or teacher recommendation.**

Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web-based databases, as well as creating a game for their friends or an app to serve a real need in their community. This course is aligned to the AP CSA framework

BUSINESS LAW**Grade Level: 10-12 No. Semesters: 1**
Fee: None Credit: .5 – Prac. Arts**Prerequisites: None**

Business Law helps students become problem-solvers in legal situations, recognize and avoid legal problems, and develop the ability to intelligently work with an attorney. Course content includes a study of courts, contracts, marriage and divorce, home ownership, insurance, property and consumer protection.

PRACTICAL ARTS & VOCATIONAL EDUCATION

BUSINESS • BUSINESS • BUSINESS • BUSINESS

GRAPHIC ART/DESKTOP PUBLISHING

Grade Level: 10-12 **No. Semesters: 1**
Fee: None **Credit: .5 – Prac. Arts**
Prerequisites: Computer Applications, Multimedia, or Teacher Permission

Students develop proficiency in using graphic arts/desktop publishing software to create a variety of business publications such as flyers, brochures, newsletters, etc. There will also be Digital Video Production, Photoshop, Website Design and more.

SPORTS AND ENTERTAINMENT MANAGEMENT

Grade Level: 10-12 **No. Semesters: 1**
Fee: None **Credit: .5 – Prac. Arts**
Prerequisites: None

Sports and Entertainment Management is a unique and innovative course designed for students with an interest in the sports and entertainment industry. This course stresses the utilizations of fundamental management and marketing concepts and will include an orientation to the sports and entertainment industry. Management and marketing strategies along with topics in sponsorship, pricing, marketing research, endorsements, and promotions will be part of this course.

MANAGEMENT AND MARKETING

Grade Level: 10-12 **No. Semesters: 1**
Fee: None **Credit: .5 – Prac. Arts**
Prerequisites: Introduction to Business or teacher permission.

Management and Marketing is a spring-semester class assisting students in becoming more involved consumers. Students interested in advertising, selling, product/service planning, and financing will benefit; they will also explore managing a business. Critical thinking, cooperative learning, communications, and human relations activities require participation in this class.

ENTREPRENEURSHIP

Grade Level: 10-12 **No. Semesters: 1**
Fee: None **Credit: .5 – Prac. Arts**
Prerequisites: Introduction to Business or teacher permission

Entrepreneurship is a fall-semester class designed for students interested in the business environment. Students will investigate forms of ownership, business, decision-making, management control, and sources of assistance for entrepreneurs. Topics include legal aspects of business ownership, career opportunities, and current and future trends in entrepreneurial opportunities.

ACCOUNTING I

Grade Level: 10-12 **No. Semesters: 2**
Fee: None **Credit: 1 – Prac. Arts**
Prerequisites: None

Accounting I provides skills and knowledge desired for employment in the areas of bookkeeping and for additional training in business. Computerized accounting will be presented.

BUSINESS - PERSONAL FINANCE

Grade Level: 10-12 **No. Semesters: 1**
Fee: None **Credit: .5 Prac. Arts / Personal Finance**

Prerequisites: None
 Personal Finance offers students the knowledge and strategies of managing their income as they become adults in society. Items covered in the class will be income, money management, spending, credit, savings, and investing. **Course fulfills the .5 Personal Finance credit graduation requirement, as well as .5 Prac. Arts credit. However, it only counts as .5 credit toward the total 25 credit graduation requirement.**

PRACTICAL ARTS & VOCATIONAL EDUCATION**BUSINESS • BUSINESS • BUSINESS • BUSINESS*****SOCIAL MEDIA MARKETING
(DUAL CREDIT)****Grade Level: 10-12 No. Semesters: 1
Fee: None Credit: .5 – Prac. Arts*****Prerequisites: None***

Social Media Marketing is designed to look at the rise of social media and how it has transformed the business world. Learn social media tools, strategies, and advertising techniques for today's marketing. The students will learn how to manage a successful social media presence for an organization.

****This course may be offered as dual credit depending on enrollment. Students can earn 3 credit hours through Crowder College. A fee of \$60.00 per credit hour will apply if taking for dual credit.**

***BUSINESS - PERSONAL FINANCE
(DUAL CREDIT)****Grade Level: 10-12 No. Semesters: 1
Fee: \$60/credit hr. EST.
Credit: .5 Prac.Arts /
Personal Finance*****Prerequisites: None***

Personal finance is a semester course taught to enable students to take charge of their finances by learning about money management, spending, credit, saving, and investing. **Course fulfills the .5 Personal Finance credit graduation requirement, as well as .5 Prac. Arts credit.**

****This course may be offered as dual credit depending on enrollment. A fee of \$60.00 per credit hour will apply if taking for dual credit.**

**(SBE) SUPERVISED BUSINESS
EXPERIENCE Grade Level: 11-12**

Supervised Business Experience is a workplace learning experience, which is an extension of the business education classroom.

SEE PAGE 45 FOR FULL DESCRIPTION.

PRACTICAL ARTS & VOCATIONAL EDUCATION

FAMILY & CONSUMER SCIENCES

FCCLA LEADERSHIP

Grade Level: 9-12 **No. Semesters:** 2
Fee: None **Credit:** 1 – Prac. Arts

Prerequisites: None

FCCLA Leadership is a full-year course that provides students with the opportunity to learn more about Family Career and Community Leaders of America (FCCLA) student organization, develop their leadership potential, and assist the community with chapter service projects. This class will incorporate project-based learning. Some of these projects may require students to complete additional work outside of class time. Students will be expected to work as an individual as well as a member of a team. FCCLA membership is strongly encouraged. This course may be taken more than once.

*FAMILY LIVING

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 – Prac. Arts

Prerequisites: None

Family Living is a semester course that studies the various phases and stages of individuals and families. This course will prepare students to understand the nature, function, and significance of various human relationships. Each student will learn to identify their personal values and expectations as a spouse, parent, family member, and friend. This course will include the practice of relationship skills such as: communication, conflict, and time and stress management. This course is taught in the Fall in correlation with Child Development.

DUAL CREDIT OPPORTUNITY: Students who are enrolled in Family Living have the opportunity to earn college credit through Missouri State University (MSU). This course is CFD 163 (3-credit hours). Students who want to earn college credit will enroll with the university and pay a tuition fee. All dual credit coursework is embedded into the class. *Dual credit is an option, but is not required. Students can still enroll in the course without taking it for dual credit.*

*CHILD DEVELOPMENT

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 – Prac. Arts

Prerequisites: *Family Living (Preferred)*

Child Development is a semester course that studies children and their physical, mental, emotional, and social growth and development. Teen sexuality and decision making skills are addressed. Parenting expectations and responsibilities are reinforced using the Real Care Baby infant simulator. This course will study medical topics that relate to child development including child birth. This course is taught in the Spring in correlation with Family Living.

DUAL CREDIT OPPORTUNITY: Students who are enrolled in Child Development have the opportunity to earn college credit through Missouri State University (MSU). This course is CFD 155 (3-credit hours). Students who want to earn college credit will enroll with the university and pay a tuition fee. All dual credit coursework is embedded into the class. *Dual credit is an option, but is not required. Students can still enroll in the course without taking it for dual credit.*

CLOTHING

Grade Level: 10-12 **No. Semesters:** 1
Credit: .5 – Prac. Arts

Fee: *Approximately \$40 for Materials*

Prerequisites: None

Clothing is a semester course that studies the history of clothing, textiles and fashion. Students will explore areas of fashion design and merchandising while learning basic clothing construction skills. Multiple sewing projects will be completed, **students are responsible for providing their own fabric and materials.** Course availability depends on enrollment. This course is taught in the Spring in correlation with Personal Finance.

PRACTICAL ARTS & VOCATIONAL EDUCATION

FAMILY & CONSUMER SCIENCES

HOUSING

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 – Prac. Arts
Prerequisites: None

Housing provides students with the opportunity to learn how to design, furnish and equip homes to meet the user's needs. Housing construction and interior design will be studied. Students will use computer programs to draft housing designs and plans. Course availability depends on enrollment. This course is taught in the Spring opposite of Personal Finance.

FOOD AND NUTRITION

Grade Level: 10-12 **No. Semesters:** 2
Fee: None **Credit:** 1 - Prac. Arts
Prerequisites: None

Food and Nutrition is a full-year course that provides students with the opportunity to understand and care for kitchen equipment while studying the nutritional content of food. Kitchen safety and food sanitation are practiced in a lab setting that will require students to work in rotating teams.

FACS - PERSONAL FINANCE

Grade Level: 10-12 **No. Semesters:** 1
Credit: .5 – Prac. Arts / Personal Finance
Fee: None
Prerequisites: None

Personal Finance is a semester course taught to enable students to take charge of their finance by learning about money management, spending, credit, savings, and investing. For the Fall 2020 semester we will be partnering with Freedom Bank to offer additional learning opportunities. **Course fulfills the .5 Personal Finance credit graduation requirement, as well as .5 Practical Arts credit.**

FACS - PERSONAL FINANCE - VIRTUAL

Grade Level: 10-12 **No. Semesters:** 1
Credit: .5 – Prac. Arts / Personal Finance
Fee: None
Prerequisites: None

Personal Finance Virtual is an online semester course taught to enable students to take charge of their finance by learning about money management, spending, credit, savings, and investing. Students may enroll in this course for the Fall or Spring semester, any hour of the day. Students will report to the Library during their virtual class period to complete work. Google Classroom is used for all classwork, communication, and grading. Students enrolled in this course will need good time management and organization skills, and need to be self-motivated to be successful. Students must complete a Virtual Course Application and have administrator approval to be eligible.

Pathways to the Teaching Profession Program- Course Sequence

This program is designed for students interested in pursuing a career in teaching.

TEACH AND TRAIN

1 Credit Full-Year Grades 10-12
*Juniors and Seniors may take concurrently with Practicum 1.

Teach and Train is the first class of the pathways to the teaching profession program designed for students who are considering the elementary or secondary teaching profession. This course focuses on the general theory and practice of teaching and learning. In the first course students will learn the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education.

***TEACH AND TRAIN PRACTICUM I
(Virtual—Can be taken any hour of the day.)**

1 Credit Full-Year Grades 11-12
*Juniors and Seniors may take concurrently with Teach and Train.

Teach and Train Practicum 1 is the second class of the pathways to the teaching profession program. This course provides a seamless pathway to study the profession through experience as a classroom intern. Students will be assigned to intern with district personnel where they will report during their scheduled class time for hands-on classroom experience. *Students will need to provide their own transportation to and from their assigned practicum class. All course work for this class will be done virtually, meaning that all assignments and lessons will be done online.* Students will complete reflection journals, prepare and present lessons, and work closely with their assigned cooperating teacher.

DUAL CREDIT OPPORTUNITY: Students who are enrolled in Teach and Train Practicum 1 have the opportunity to earn college credit through Missouri State University (MSU). This course is EDUC 302 (3-credit hours). Students who want to earn college credit will enroll with the university and pay a tuition fee. All dual credit coursework is embedded into the class. *Dual credit is an option, but is not required. Students can still enroll in the course without taking it for dual credit.*

**TEACH AND TRAIN PRACTICUM II
(Virtual—Can be taken any hour of the day.)**

1 Credit Full-Year Grades 12
*Prerequisite Teach and Train and Practicum I

Teach and Train Practicum II is the final course offered in the pathways to the teaching profession program. This course provides a seamless pathway to study the profession through experience as a classroom intern. Students will be assigned to intern with district personnel where they will report during their scheduled class time for hands-on classroom experience. *Students will need to provide their own transportation to and from their assigned practicum class. All course work for this class will be done virtually, meaning that all assignments and lessons will be done online.* Students will complete reflection journals, prepare and present lessons, and work closely with their assigned cooperating teacher.

PRACTICAL ARTS & VOCATIONAL EDUCATION

INDUSTRIAL TECHNOLOGY • INDUSTRIAL TECHNOLOGY

WOOD TECHNOLOGY I

Grade Level: 9-12 **No. Semesters:** 1

Fee: \$20 EST. **Credit:** .5–Prac. Arts

Prerequisites: Signed parent/guardian consent form to enroll in course. All students will be required to pass all safety tests prior to working in the lab, and have safety glasses before working in the shop.

Students will learn about the materials, tools and processes used in the manufacturing of quality wood products. All students will be required to produce a product using the tools and materials in the shop to successfully complete this course and be allowed to advance to upper level wood-working courses.

WOOD TECHNOLOGY II

Grade Level: 10-12 **No. Semesters:** 2

Fee: \$30-\$50 EST. **Credit:** 1–Prac. Arts

Prerequisites: Signed parent/guardian consent form to enroll in course. All students will be required to pass all safety tests prior to working in the lab, and have safety glasses before working in the shop.

Students will expand their knowledge and application about the materials, tools, and processes used in the manufacturing of quality wood products. All students will be required to produce a product using the tools and materials in the shop to successfully complete this course, and their project should be of high enough quality to compete in the Missouri Conference competition.

ENGINEERING BY DESIGN

Grade Level: 9-12 **No. Semesters:** 1

Fee: None **Credit:** .5 - Prac. Arts

Prerequisites: None

This program provides students with a foundation in the role of technology and engineering in everyday life along with a broad range of technology and engineering skills that make them aware of technology and engineering around them. Students completing the program will become technologically literate by learning key concepts about engineering, design, invention, and innovation, as well as the roles they play in creating technological systems to help make life easier and better. Students learn that technology must be evaluated to determine the positive and negative effects and how these have shaped today's global society. A key aspect of the program is that students become knowledgeable about technology and engineering and use hands-on lessons to apply and transfer this knowledge to common problems.

PRACTICAL ARTS & VOCATIONAL EDUCATION

VOCATIONAL • TECHNICAL • VOCATIONAL

**SUPERVISED AGRICULTURE
EXPERIENCE CO-OP****(Ag SAE CO-OP)****Grade Level: 11-12 No. Semesters: 2****Fee: None Credit: 1 or 2—Prac. Arts*****Prerequisites: Intro to AFNR, and any combination of two additional advanced agricultural courses. (must be taken concurrently)***

This Supervised Agricultural Experience allows students to be released during school time to complete a cooperative occupational experience in an approved training station in agriculture. Ag SAE program provides on-site work experience where students may earn credit while receiving wages and learning real-world expectations from the workplace. *A signed agreement and training plan must be completed for each student.* Seniors receive priority and juniors can only participate after school hours. **A minimum grade of a “C” in related vocational course and students must maintain a 95% attendance rate is required.**

**SUPERVISED BUSINESS
EXPERIENCE (SBE)****Grade Level: 11-12 No. Semesters: 2****Fee: None Credit: 1 or 2 – Prac. Arts*****Prerequisites: Computer Applications (Can be taken concurrently)***

Supervised Business Experience is a workplace learning experience, which is an extension of the business education classroom. SBE training is designed for students who enroll in any career education program (Any business class except Introduction to Business and Digital Communication) and are 16 years old or older. The SBE program provides on-the-job work experience where students may earn credit while receiving wages and learning real-world expectations in the terms of the workplace. The SBE program is limited to 15 students. Seniors receive priority, and juniors may only participate after school hours. **A minimum grade of a “C” in related vocational course and students must maintain a 95% attendance rate is required.**

PRACTICAL ARTS & VOCATIONAL EDUCATION

VOCATIONAL • TECHNICAL • VOCATIONAL

SRTC (Monett) VOCATIONAL-TECHNICAL CLASSES

Grade Level: 11-12 No. Semesters: 2/year

Fee: None Credit: 3 – Prac. Arts

Prerequisites: Check with Counselor

These students will attend the Scott Regional Technology Center in Monett. *Students will attend morning or afternoon class.* Areas of study include auto-collision repair, automotive technology, child-care provider, culinary arts, graphic communications, marketing, health occupations, computer-aided machining, welding technology and JROTC. Students have the opportunity to earn up to one (1) credit of Communication Arts IV through their SRTC program of study.

SRTC COURSE OFFERINGS

Auto Collision Repair is a two-year program for three credit hours per year. This program is designed to teach all major aspects of the Auto Collision Industry processes as set by I-CAR (Inter-Industry Conference on Auto Collision Repair) as well as to refine skills needed to be successful in the Collision field and related work areas. Whether students go to work or choose to further their education, they will excel because of the knowledge and skills they have obtained in Auto Collision at SRTC. Students have the opportunity to participate as a member of Skills USA to demonstrate their knowledge of collision repair at local and state contests.

Recommendation: proficiency in standard/metric math skills and reading skills.

College Credit Opportunity:

Dual Credit - OTC - 8 hours

Articulated Credit - State Technical College (Linn State) - 4 hours

Automotive Technology is a two-year program, which offers study and training in the diagnosis and repair of automobiles. The program is taught by an ASE Master Certified instructor. The program consists of study in the areas of brakes, suspension and steering, electrical, engine performance, heating and air conditioning, engines, and power trains. Automotive safety is integrated throughout all phases of the course. Students can earn college credit hours and ASE student certifi-

cation by enrolling in Automotive Technology. *Recommendation: proficient reading skills.*

College Credit Opportunity:

Dual Credit - Crowder College - 4 hours

Credit by Exam - Crowder College - 17 hours

Articulated Credit - OTC - 16 hours

Computer Maintenance and Networking is a two-year course that places emphasis on computer maintenance one year and networking the following year. The class is designed for high school students and adults who can devote two years to complete the course. Students who can only take the course for one year are allowed with the understanding that they will only complete one half of the course, depending upon which cycle that the course is in. The course is designed to give the student the knowledge necessary to pass the CompTIA A + and Network + certifications. Students will have the opportunity to assemble PCs from components, troubleshoot, upgrade computers, install and configure operating systems, design networks, install and configure network operating systems, troubleshoot networks, and maintain servers.

College Credit Opportunity:

Credit by Exam - Crowder College - 8 hours

Construction Technology is a two-year program, which offers study in residential construction. Study includes training for the job market in all areas of the construction phase. Students participate in the layout of footings and foundations, grade elevations, plan reading, rough and finish carpentry, and residential wiring. Students can earn OSHA certification.

Recommendation: General Math.

College Credit Opportunity:

Articulated Credit - OTC - 4 hours

Credit by Exam - Crowder College - 6 hours

PRACTICAL ARTS & VOCATIONAL EDUCATION

VOCATIONAL • TECHNICAL • VOCATIONAL

SRTC Continued

Culinary Arts is a two-year course where the homework tastes great! This course prepares students to enter the hospitality industry or post-secondary education at an above-average level. Culinary Arts is a foundation to a great career in the industry. Some career opportunities include chef, baker, cake decorator, salesperson, hotel clerk, and server. Many of the careers require more training at the post-secondary level or on-the-job. Major units of study include: safety and sanitation, food prep, customer service, baking, cake decorating, purchasing, costing, and hotel service. Culinary arts also addresses employability skills, resume writing and leadership skills through SkillsUSA. The students may compete at district, state, and possibly national level SkillsUSA.

Recommendation: FACS class(es) and Applied Math.

College Credit Opportunity:

Dual Credit - OTC - 3 hours

Articulated Credit - OTC - 6 hours

Articulated Credit–Sullivan University - 12 hours

Diesel Technology is for students who are interested in medium and heavy-duty diesels as found in today’s transportation industry. This is a two-year program that follows NATEF (National Automotive Technicians Education Foundation) guidelines. Students will spend time in both classroom studies and in the laboratory developing hands-on skills. Live and simulated units will be used for instruction. Students must be interested in heavy-duty equipment repair and have some mechanical aptitude. Students need the ability to work with tools, sophisticated machines, solve problems, troubleshoot and develop professional customer service skills. *Recommendation: proficient reading skills.*

College Credit Opportunity:

Articulated Credit - OTC - 8 hours

Credit by Exam - Crowder College - 16 hours

Early Childhood Careers is a two-year program designed for students who desire to work in careers involving young children and their families. Students will have experiences with preschoolers through the SRTC preschool. Students will be responsible for planning activities that stimulate a child’s mental, physical, emotional and social growth. Trainees will learn to provide a safe, healthy, and loving environment that will allow children to explore and develop their natural curiosity and imagination. Students enrolled in the class are required to have TB tests and background checks.

Recommendation: FACS class(es), especially Child Development.

College Credit Opportunity:

Articulated Credit - OTC - 12 hours

Credit by Exam - Crowder College - 6 hours

Graphic Design is a two-year course designed to prepare students to work in various fields of the graphics industry. This is a course that focuses on the development of visual concepts, basic design principles and elements of visual communications. Emphasis will be on the creative process, typography, color systems, vector artwork, photo editing, document production, and imagery through different forms of communication and by using various software. Students will work on projects associated with the text as well as outside projects as they become available.

Prerequisite Suggestions (not required): Computer Applications, Photography, Applied Mathematics, Digital Communications, Art & Design

College Credit Opportunity:

Dual & Articulated Credit - OTC - 3 hours

PRACTICAL ARTS & VOCATIONAL EDUCATION

VOCATIONAL • TECHNICAL • VOCATIONAL

SRTC continued

Health Occupations is a one-year program for high school juniors and seniors. This program utilizes knowledge, skill, and professional conduct to explore various careers available in the health field. This course provides the student with the opportunity to develop leadership skills, therapeutic communication, basic patient-care skills, problem solving, and a successful work ethic necessary to become a health service assistant.

First semester is spent in the classroom and laboratory. Students will develop competency in procedures such as measuring a temperature, pulse, blood pressure, counting respirations, infection control procedures and assisting with activities of daily living. Strong emphasis is placed on medical terminology, evidenced by weekly assessments.

Second semester the students will be required to participate in clinical rotations with the emphasis on job placement. The clinical facilities utilized are Lacoba Homes, Cox Monett Hospital, and other allied health areas. Rotations will be through diversified health care areas including laboratory, pharmacy, emergency room, labor and delivery, radiology, physical/occupational/speech therapy, acute care hospital, residential/nursing homes, and dental and veterinary hospital. Students interested in another aspect of health-care should consult Mrs. Schmidly.

Recommendation: Biology, and Anatomy and Physiology.

Certifications Available:

Missouri State Certified Nursing Assistant
American Heart Association Basic Life Support for Healthcare Provider

American Heart Association Adult First Aid Certification

College Credit Opportunity:

Dual Credit - Crowder College - 7 hours

Credit by Exam - Crowder College - 7 hours

JROTC (Junior Reserve Officer Training Corps) is a two-year program designed to teach high school students the value of citizenship, leadership, community service, personal responsibility, and a sense of accomplishment, while instilling self-esteem, teamwork, and self-

discipline. Also, students will learn personal finance, health and fitness. The focus is reflected in the mission statement, "To motivate young people to be better citizens." Instructors are retired military personnel. JROTC is not a recruitment program for the military. Participation in JROTC incurs no military obligation. However, students choosing to go into the military have the opportunity of entering at a higher rank after completion of the program. Many scholarship opportunities are available for JROTC students entering college directly after high school. *Recommendation: Great for self-esteem, character building, and leadership training*

Marketing is the process of creating, pricing, promoting, and selling the products consumers purchase in the marketplace. Marketing provides a competitive edge that is necessary in today's fast paced world. Students will be given the opportunity to gain an appreciation of the role of marketing by operating and promoting the Scotty Store, the campus school store. Second-year Marketing students can get the opportunity to do an internship for job experience and class credit. Marketing students have the opportunity to experience the Career and Technical Student organization DECA.

DECA is part of an international organization for high school and college students that provides avenues for personal and professional development in the areas of leadership, social skills, and civic consciousness. In DECA you will become a leader, travel, make new friends, develop job skills, earn scholarships, learn about exciting careers such as fashion merchandising, sports, marketing, advertising, travel, and tourism, hospitality, plus more. *Recommendation: General Business, Computer Applications and Keyboarding Proficiency.*

College Credit Opportunity:

Dual Credit - Crowder College

Articulated Credit - OTC

PRACTICAL ARTS & VOCATIONAL EDUCATION

VOCATIONAL • TECHNICAL • VOCATIONAL

SRTC continued

Precision Machining (Formerly Computer-Aided Machining) is a two-year program in a rapidly changing field. This course provides instruction and practice in the use of precision measuring tools, blueprints, lathes, milling machines, grinders, and computer numerical controlled machines. Emphasis on setup and operation of machine tools, including the selection and use of work-holding devices, speeds, feeds, cutting tools, and coolants. Upon completion, students should be able to perform basic procedures on precision grinders as well as performing advanced operations of measuring, layout, drilling, sawing, turning, and milling.

Precision machining is a great program for students interested in Mechanical engineering, or Industrial Maintenance and Machine repair. Students also learn the design process as well as make the parts they design.

Metalworking industries are expanding output and adding automatic and computer-controlled machines. This is resulting in less demand for semi-skilled operators and increased demand for more highly skilled machinists, engineers, tool and die makers, jig and fixture builders, tool grinders, CNC technicians and quality control inspectors. For those who have acquired a thorough background in machining operations, blueprint reading, design, math and a working knowledge of the properties of metals, the job outlook is promising.

Recommendations: Algebra and Industrial Technology.

College Credit Opportunity:

Articulated Credit - OTC - 4 hours

Articulated Credit - MSSU - 9 hours

Articulated Credit - State Technical College
(Linn State) - 7 hours

Welding Technology is a two-year program designed to advance the science, technology and application of the welding industry. The welding industry offers excellent opportunities for highly skilled technicians. The national outlook shows a severe shortage due to the retiring workforce. The course provides training recognized by the American Welding Society (AWS). The program is an AWS Schools Excelling through National Skill Standards Education (SENSE) participating educational institution, which allows students enrolled to attain a nationally recognized certification upon successful completion. The course offers study in Occupational Orientation, Safety and Health, Drawing and Welding Symbol Interpretation, Shielded Metal Arc Welding, Gas Metal Arc Welding, Flux Cored Arc Welding, Gas Tungsten Arc Welding, Thermal Cutting Process, and Welding Inspection and Testing. Students have the opportunity to become an AWS Certified Welder and a member of the SRTC AWS Student Chapter of the American Welding Society, which will include membership of AWS District 17- Section 136/Ozark section.

College Credit Opportunity:

Dual Credit– Crowder College - 12 hours

Articulated Credit - OTC - 16 hours

Credit by Exam - Crowder College - 12 hours

PRACTICAL ARTS & VOCATIONAL EDUCATION

VOCATIONAL • TECHNICAL • VOCATIONAL

SRTC continued

Work Experience Program is available to students with IEPs in grades 9 through age 21. To participate, students must be referred by their IEP team, and complete an application and interview. Students may participate in career exploration, job shadowing, or Co-op.

Job shadow students earn elective credit by doing hands-on work in real work settings. They are not paid. While job shadowing, students learn job skills, work behavior, social skills and communication skills. Excellent attendance, a positive attitude, appropriate dress, and good hygiene are required. Job sites are selected based on a student's interests, career goals and abilities, and site availability. Opportunities may include child care, elder care, food service, automotive, custodial, laundry, greenhouse, retail, sheltered employment, or grocery. One day each week students attend Getting and Keeping a Job class at SRTC.

Co-op students are employed and earn both a paycheck from their employer and high school credit. Co-op students must have a job and demonstrate the ability to keep it. They are released from school to go to work.

College Credits Available at SRTC

By attending Scott Regional Technology Center, many students become eligible to receive FREE college credit or college credit at a REDUCED rate! The following options are available for college credit:

Articulated Credit is college credit earned during high school that will be applied to students' college transcripts once they attend that college for at least one semester. Many SRTC classes have articulated credit with several colleges and universities.

Credit by Exam—Crowder College offers high school students college credit upon passing an 'end of course exam'. The student must attend Crowder a full semester and pay a fee per course to receive transcript credit. Most SRTC classes have this option.

Dual Credit means the student will receive high school credit and college transcript credit at the same time. The student will pay a reduced rate to the college. Some SRTC classes have dual credit.

Dual Enrollment offers high school students the opportunity to take college classes at a reduced rate. SRTC is proud to host college classes during the evening hours.

College Partners

SRTC has partnered with the following schools for college credits:

Crowder College

Missouri Southern State University

Ozarks Technical Community College

State Technical College

Sullivan University

FINE ARTS

ART • ART • ART • ART • ART • ART • ART •

ART I**Grade Level: 9-12** **No. Semesters: 2**
Fee: None **Credit: 1– Fine Art****Prerequisites: None**

Art is a comprehensive class that reflects all four visual arts disciplines: aesthetics, art criticism, art history, and studio projects. Students will have the opportunity to develop their knowledge, understanding, and skill in art by studying a broad range of visual art forms created by others, as well as creating their own art.

3D ART**Grade Level: 10-12** **No. Semesters: 2**
Fee: \$10.00 **Credit: 1– Fine Art****Prerequisites: Art I**

This art course deals with art in its three-dimensional form. A variety of mediums will be explored, which may include textiles, ceramics, plaster, wire sculpture....and more! Student will participate in a wide range of experiences using additive and subtractive sculptural techniques designed to build artistic and creative confidence. An appreciation for art from various cultures will be developed. Projects are designed to teach thinking skills and to include useful art experiences such as color theory, so that no matter what vocation students pursue, the knowledge gained in this class will be of value to them. Emphasis will be on basic design elements, function, and craftsmanship using essential vocabulary and exploring art from various perspectives. Students will create both functional and sculptural works of art. **ART I IS REQUIRED. This course is repeatable**

PAINTING**Grade Level: 10-12** **No. Semesters: 1**
Fee: None **Credit: .5– Fine Art****Prerequisites: Art I**

Painting is for the student who wants to further his/her skills. Various cultures, artists, and painting mediums will be discussed. This course may be taken more than one time as an elective credit.

ADVANCED ART**Grade Level: 10-12** **No. Semesters: 2**
Fee: None **Credit: 1– Fine Art****Prerequisites: Art I**

Advanced Art is for the student who enjoys creating artwork both two and three-dimensionally. This course is designed for the serious art student who enjoys working in-depth on a project. The course will encompass collages, mobiles, drawings, sculptures, paintings, ceramics, and crafts. This course may be taken more than one time as an elective credit.

DRAWING**Grade Level: 10-12** **No. Semesters: 1**
Fee: None **Credit: .5– Fine Art****Prerequisites: Art I**

Drawing is for the student who enjoys drawing and wishes to enhance his/her ability. Students will work in various drawing mediums and techniques. This course may be taken more than one time as an elective credit.

FINE ARTS

BAND • MUSIC • BAND • MUSIC • BAND • MUSIC

CONCERT/MARCHING BAND**Grade Level:** 9-12 **No. Semesters:** 2**Fee:** \$60 **Credit:** 1– Fine Art**Prerequisites:** *3 years of band and/or teacher permission*

Concert/Marching Band is the primary large instrumental ensemble at CHS. It requires students to build on previous performance experience in instrumental music. Students will express themselves creatively through preparation of a competitive marching band show first quarter, and concerts with concert band the rest of the year. Through these performances, students will refine and improve their skills on their chosen instrument. Band is co-curricular and requires attendance at summer camps, as well as early morning and extra evening rehearsals during marching season. Attendance at all performances is required and is part of the grade. **Enrollment is for the entire year.** Fee covers the cost of the band t-shirt and other expenses of the program including some of the marching band expenses.

JAZZ BAND**Grade Level:** 9-12 **No. Semesters:** 2**Fee:** \$25 **Credit:** 1– Fine Art**Prerequisites:** *Current enrollment in Band, audition selection, and/or teacher approval*

Jazz Band is a small select instrumental ensemble with a special focus on jazz music. Students enrolled in Jazz Band must also be enrolled in Concert/Marching Band. **Enrollment is for the entire year. Availability depends upon enrollment.** Fee covers the cost of the Jazz polo shirt that the student may keep. Students must provide their own black dress pants and black dress shoes for performance.

FINE ARTS

CHOIR • MUSIC • CHOIR • MUSIC • CHOIR

MUSIC APPRECIATION

Grade Level: 9-12 No. Semesters: 2
Fee: None Credit: 1– Fine Art

Prerequisites: None

This course is designed to meet the aesthetic educational needs of our students. Each student will be expected to experience the historical nature of the arts including music, literature, dance, visual arts, and drama through a variety of media presentations corresponding to the material covered in the text.

ADVANCED GIRLS CHOIR

Grade Level: 9-12 No. Semesters: 2
Fee: \$294.00 Costume Expense EST.

Credit: 1– Fine Art

Prerequisites: Audition Required

NBA (No Boys Allowed) is an advanced women’s choir. Selection is made through a singing and dancing audition in the spring. This choir competes in show choir competitions throughout the year. **There is a costume cost for each student and a required summer choreography camp.** Concentration is placed on vocal techniques, small ensemble work, and performance. **A percentage of the student’s grade is based on performances outside of the regular school day. Enrollment is for the entire year.**

CHORALE

Grade Level: 9-12 No. Semesters: 2
Fee: None Credit: 1– Fine Art

Prerequisites: None

Chorale is a performing/competition choir class for men and women. Choral literature is performed through several concerts and contests. Solo and small ensemble singing are also encouraged in this class. This is not a dancing group. Heavy emphasis is placed on proper vocal techniques and sight-singing. Previous choral experience is preferred. **A percentage of the student’s grade is based on performances outside of the regular school day.**

SHOW CHOIR

Grade Level: 9-12 (Men) & 10-12 (Women)
No. Semesters: 2 Credit: 1– Fine Art

Fee: \$294.00 Costume Expense EST.

Prerequisites: Audition Required

Centerstage Show Choir is a performance-based class for men and women with previous choral experience. Concentration is on twentieth-century music and a heavy performance schedule. This choir competes in show choir competitions throughout the year. **There is a costume cost for each student and a required summer choreography camp.** Selection is made through a singing and dancing audition in the spring. **A percentage of the student’s grade is based on performances outside of the regular school day. Enrollment is for the entire year.**

BEGINNING GUITAR

Grade Level: 10-12 No. Semesters: 2
Fee: None Credit: 1– Fine Art

Prerequisites: student must provide a working, acoustic, full -size guitar for use in class.

Beginning Guitar is a non-performing class for students who desire to learn to play guitar. Students will learn to read notes and rhythms from printed music. Students will play individually and in small ensembles. Basics of music are emphasized. Students must be able to work independently.

FINE ARTS

DRAMA • THEATRE • DRAMA • THEATRE • DRAMA

DRAMA

Grade Level: 9-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** .5 or 1- Fine Art
Prerequisites: *Teacher Permission*

Drama increases the student's ability to express thought and emotion through effective use of the voice and body. Throughout the year students will work on improvisational skills, duet acting, and literature interpretations. During the Spring, students will produce a one-act play and/or readers theater. Students may take acting and/or technical roles in productions. **Attendance at all performances is required.**

THEATRE PRODUCTION

Grade Level: 9-12 **No. Semesters:** 1
Fee: None **Credit:** .5- Fine Art
Prerequisites: *Prior theatre/acting experience*

Students will learn the skills and techniques needed for creating a theatrical production. Units will cover acting, directing, script analysis, scenic design, stage lighting, stage management, costumes and makeup, acting, and media in producing a play. One field trip to see a live performance will be required. This is a non-performance class **if** students sign up for the technical role. This is a repeatable course.

PHYSICAL EDUCATION/HEALTH

HEALTH • PHYSICAL EDUCATION • HEALTH

HEALTH**Grade Level:** 9-12 **No. Semesters:** 1
Fee: None **Credit:** .5– Health.**Prerequisites:** *None*

Health is a required course that enables the student to understand his or her body; to think critically about health problems; and to be able to achieve good physical, mental, and social health. CPR training is included. **REQUIRED FOR GRADUATION.**

BOYS' PHYSICAL EDUCATION**Grade Level:** 9-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** .5 or 1– Phy. Educ.**Prerequisites:** *None*

Students will learn the rules, strategies, and techniques used in team and individual sports. Students will also be active in ways to increase cardiovascular fitness as well as muscular strength. Throughout the course students should be familiar and comfortable with ways to stay physically active for their lifetimes. Students will be required to dress out everyday in order to participate in the various units. Dressing out, participation, and written tests and skills tests will be used to determine grades. Gym clothing is required.

GIRLS' PHYSICAL EDUCATION**Grade Level:** 9-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** .5 or 1 – Phy. Educ.**Prerequisites:** *None*

Students will learn the rules, strategies, and techniques used in team and individual sports. Students will also be active in ways to increase cardiovascular fitness as well as muscular strength. Throughout the course students should be familiar and comfortable with ways to stay physically active for their lifetimes. Students will be required to dress out everyday in order to participate in the various units. Dressing out, participation, and written tests and skills tests will be used to determine grades. Gym clothing is required.

BOYS' ADVANCED PHYSICAL EDUCATION**Grade Level:** 9-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Phy. Educ.**Prerequisites:** *Teacher Permission*

This course emphasizes weight lifting to build body strength and conditioning for cardiovascular development. It focuses on the individual's discipline, desire, and dedication, while emphasizing goal setting and nutrition. Gym clothing is required.

GIRLS' ADVANCED PHYSICAL EDUCATION**Grade Level:** 9-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Phy. Educ.**Prerequisites:** *Teacher Permission*

Students will be taught the proper techniques and training methods associated with sports and athletic preparation. The students must have a willingness to perform, including, but not limited to, a high level of weight training, plyometric training, speed development, and core training. The main goal of the class is to help students prepare for team/individual sports to help create high expectation for themselves and their teams. Grades will be determined by dressing out, warming up, effort, and completing the daily workout. Gym clothing is required.

LIFE SPORTS (CO-ED)**Grade Level:** 9-12 **No. Semesters:** 2
Fee: None **Credit:** 1– Phys. Educ.**Prerequisites:** *None*

Students will learn the rules, strategies, and techniques used in team and individual sports. Students will also be active in ways to increase cardiovascular fitness as well as muscular strength. Throughout the course students should be familiar and comfortable with ways to stay physically active for their lifetimes. Students will be required to dress out everyday in order to participate in the various units. Dressing out, participation, and written tests and skills tests will be used to determine grades. Gym clothing is required.

ELECTIVES

A+ PROGRAM • SKILLS • AIDES • ACT PREP • CREDIT REC.

A+ TUTORING

Grade Level: 11-12 **No. Semesters:** 1
Fee: None **Credit:** .5 – Elective

Prerequisites: *Enrollment in the A+ Program with expectations of completing certification.*

This course allows juniors and seniors who are enrolled in the A+ Program to earn one semester credit by tutoring primary, intermediate, middle, or high school students. These tutoring hours also qualify students for some college funding upon completion of all other A+ requirements and upon the availability of state funds. *Students must be able to provide their own transportation to the elementary campus. This course is non-repeatable.*

SKILLS FOR SUCCESS

Grade Level: 9-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** .5 or 1– Elective

Prerequisites: *Principal Recommendation/Teacher Recommendation*

Skills for Success will help improve students' academic skills and track their progress in other courses throughout the semester. It will also assist students in becoming contributing members of the school and local communities.

ACT PREP

Grade Level: 10-12 **No. Semesters:** 1
Fee: None **Credit:** .5 – Elective

Prerequisites: *None*

This course will focus on Math, English, Science and Reading in preparation to take the ACT test.

PUBLICATIONS

Grade Level: 10-12 **No. Semesters:** 2
Fee: None **Credit:** 1 – Elective

Prerequisites: *“B” average in Communication Arts classes, Keyboarding skills, and teacher recommendation.*

Publications is for students interested in publishing text and photos in a magazine format. Students are familiarized with the basic skills of journalistic writing, photography, and marketing. Using a web-based design program, students produce the CHS yearbook. Students are encouraged to repeat the course. **Freshmen may enroll with teacher permission.**

NON-CREDIT ELECTIVES

*Aide courses are calculated into the GPA but do not fulfill any credit requirements. A student can enroll as an aide 1 hour per semester for 4 semesters. **However if they wish to qualify for an Honors Diploma they can only enroll for a maximum of 2 semesters.** Aide positions will be filled in the following order; Office, Counselors,*

NON-CREDIT ELECTIVES**OFFICE AIDE**

Grade Level: 11-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** NO CREDIT

Prerequisites: *Student contract*

This is a non-credit elective assisting with duties in the high school office picking up attendance slips, delivering packages and messages and other tasks as needed. See note on page 56.

COUNSELORS' AIDE

Grade Level: 11-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** NO CREDIT

Prerequisites: *Student contract*

This is a non-credit elective assisting in the counselors' office delivering messages, running copies, and other tasks as needed. See note on page 56.

LIBRARY AIDE

Grade Level: 11-12 **No. Semesters:** 1 or 2
Fee: None **Credit:** NO CREDIT

Prerequisites: *Student contract*

This is a non-credit elective for students interested in learning about the library. Duties include shelving books, processing magazines and books, submitting book reviews, creating window displays, checking web links, and delivering and picking up equipment. See note on page 56.

ELECTIVES**A+ PROGRAM • SKILLS • AIDES • ACT PREP • CREDIT REC.****NON-CREDIT ELECTIVES CONT'D****TEACHER'S AIDE****Grade Level: 12 No. Semesters: 1 or 2****Fee: None Credit: NO CREDIT*****Prerequisites: Student contract***

This is a non-credit elective for a student wishing to assist an individual teacher. Duties may include typing worksheets, filing papers, researching specific topics, and taking roll. See note below.

Note: If students choose to be an aide they will have to pass all of their remaining classes to be eligible for extra-curricular activities.