

Cameron High School

Course Description & Career Planning Guide

2025-2026



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Table of Contents

Introduction	2
Purpose	2
Counselors	2
Developing a Four-Year Plan	3
Prerequisites	3
Recommended Courses of Study	3
Planning For Post-Secondary Success	3
Graduation Requirements	4
Career Paths	5-6
Individual Career and Academic Plan (ICAP)	7
Honors and Awards	8
College Prep Diploma	8
Academic Letter	8
Advanced Placement & Dual Credit	8
National Honor Society Application Process	9
A+ Schools Program	10
Eligibility for Activities and Athletics	11
Credit Recovery and Support Programs	13
Summer School Program	13
Articulated College Credit	
Academic Credit Recovery	13
General Information	14
Grade Point Averages	14
Registration Procedures and Policies	15
Schedule Change Policy	15
Course Offerings	16
Introduction	16
(CA) Communication Arts	17
(MA) Mathematics	19
(SS) Social Studies	21
(SC) Science	23
(FA) Fine Arts Department	25
(PA) Practical Arts Department	27
Agriculture (Practical Arts-PA)	27
Business/Technology Courses (Practical Arts-PA)	28
Family and Consumer Sciences (Practical Arts-PA)	31
Vocational/Trade Programs (Practical Arts-PA)	32
(PE) Physical Education	34
(EL) Electives	35
(FL) Foreign Language	35
Project Lead The Way	35
(EL) Electives: For Credit	37
Dual Enrollment On-Line Courses	37
Graduation Credit Checklist	38

Introduction

Purpose

This Course Description Book has been developed for the students and parents in the Cameron School District to present important information about programs and courses offered at the high school. Students and parents should be able to combine the information in the guidebook with advice received from teachers, counselors, and administrators in order to make decisions about courses that will provide students with the education they need for their future plans. We encourage parents and students to develop an Individual Career and Academic Plan (ICAP) to guide them toward their post-graduation and career goals. It is important to select courses carefully to fulfill that plan.

Cameron School District Mission Statement

To provide all students the best educational opportunities possible in a positive and safe environment.

Notice of Nondiscrimination

The Cameron School District does not discriminate on the basis of race, color, national origin, age, sex or disability, in admission or access to, or treatment or employment in its programs and activities. Any person having inquiries concerning Cameron’s compliance with the regulations implementing Title VI & VII of the Civil Rights Act of 1964 (Title VI & VII), Title IX of the Education Amendments of 1972 (Title IX), Section 504 of the Rehabilitation Act of 1973 (Section 504), or Title II of the Americans with Disabilities Act of 1990 (ADA) may contact

- Title VI, VII, IX Coordinator: Assistant Superintendent
- Section 504/ADA Coordinator: Director of Special Services
- Office Address: Cameron R-I School District, 423 North Chestnut, Cameron, MO 64429.
- Phone Number: (816) 882-1031

School Counselors

The Counseling Department members are available to assist students and parents throughout the enrollment process.

Cameron High School

Counselor	Assigned	Phone Number	E-Mail
Heatherlee Ryals	Last Names: A-K	816-882-1200	hryals@cameronschools.org
Nicole Clay	Last Names: L-Z	816-882-1077	nclay@cameronschools.org
Academic Advisor		Phone Number	E-Mail
Kasie Webb		816-882-1147	kwebb@cameronschools.org

Cameron Veterans Middle School

Counselor	Phone Number	E-Mail
Angela Crowley	816-882-1139	acrowley@cameronschools.org

Cameron Intermediate School

Counselor	Phone Number	E-Mail
Hannah Hughs	816-882-1126	hhughs@cameronschools.org

Parkview Elementary School

Counselor	Phone Number	E-Mail
Katie Bruckner	816-882-1051	kbrukner@cameronschools.org

Developing an Individual Career and Academic Plan

Prerequisites

Certain courses have prerequisites that must be fulfilled for a student to enroll properly. The prerequisite courses offer skills that must be mastered in order to be successful in subsequent courses. A prerequisite is considered met when a student has achieved a grade of "D" or better in the prerequisite course, however students who have earned a "D" in a prerequisite course will likely experience great difficulty in successfully completing the subsequent course work.

Recommended Courses of Study

Various departments at Cameron have recommended courses of study. These recommendations provide guidance to the vast majority of Cameron students. There may be special situations or circumstances that would suggest deviations from those recommendations. Students, parents, and staff should exercise care and prudence when deviating from those recommendations. If a student believes his or her best interest will be served by varying from the recommended courses of study, he or she should consult their parents and counselor.

The Following Guidelines Apply to Graduation from the Cameron School District:

1. The State of Missouri requires all students to pass the U.S. and Missouri Constitution tests before graduation. Students are given these tests in American Government.
2. Credit may be earned and counted toward high school graduation requirements through (a) extension and correspondence courses from accredited public institutions of higher education, (b) summer school from approved public institutions, or (c) school approved adult education courses.
3. Credit for off-campus instruction under the guidance and direction of the school faculty may be granted for programs approved by the State Department of Education.
4. When transfer students are unable to meet Cameron graduation requirements, exceptions may be made which will permit them to graduate if (a) they have done satisfactory work since the date of transfer; (b) they have been unable to meet specific requirements due to conditions beyond their control; and (c) they would have graduated from the former school had they not transferred.

Planning for Post-Secondary Success

The Course Description Handbook has been compiled to assist students in making decisions related to academic planning and preparation for their career path. It is intended to be a source of information when making course selections for the upcoming school year. Parents/guardians and students should understand that all courses listed in the Course Description Handbook are available provided sufficient demand exists. Courses are also contingent upon staff availability.

The Counseling Department will assist students with career exploration and educational planning through utilizing the Missouri Connections Program. Counselors will help students create an Individual Career and Academic Plan (ICAP) to serve as a guide for determining which courses students should select during enrollment. Students should also consult parents/guardians when choosing courses.

Graduation Requirements

The Course Description Handbook is updated annually to reflect the district curriculum at the high school level.

The graduation requirements are listed below:

Language Arts	4
Social Studies	3
Science	3
Mathematics	3
Physical Education	1
Fine Arts	1
Practical Arts	1
Health	½
Personal Finance	½
Electives	7
Total	24

Missouri Connections Program

Connect to Your Future Today!

Missouri Connections helps students open the door to career exploration and educational planning. Sponsored by the Department of Elementary and Secondary Education, Missouri students in public and private schools (grades 7-12), their parents/guardians, school counselors, and educators can use the online system at no charge.



Career Paths

Career Paths

Missouri has identified six Career Paths as a way to help elementary and middle school students become aware of and explore careers in a logical and meaningful way.

Career Clusters

Missouri uses 16 Career Clusters as a way of organizing occupations and careers to assist educators in tailoring rigorous coursework and related activities for all students. The Career Clusters include all occupations, even those not usually found in career and technical education. Career Clusters may be used beginning in grades 7, 8 or 9, and can continue as a framework for educational planning through postsecondary education.

Career Pathways

Occupations within a Career Cluster are further grouped according to shared commonalities such as skill sets or common roles. This grouping is called a Career Pathway. Each cluster contains two to seven Career Pathways. Career Pathways assist educators in the development of a coordinated and non-duplicative sequence of courses that identifies both secondary and postsecondary education elements; includes challenging academic and career and technical education content; and culminates in one or more of the following: technical skill proficiency, a credential, a certificate, or a degree at the secondary or postsecondary level.

Knowledge & Skill Statements

Knowledge and skill statements represent the skills and knowledge, both academic and technical, that all students should achieve for a given career area.



Individual Career & Academic Plan (ICAP)

Individual Career and Academic Plan (ICAP)

Cameron R-I High School

Name: _____

Graduation Year: _____

	Grade	Requirements/Credits	Credits	1st Semester	2nd Semester	Review Each Semester
Career Path _____ Career Cluster _____	9	Language Arts	1			9th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____ Advisor's Signature(s): _____
		Social Studies	1			
		Mathematics	1			
		Science	1			
		Electives	3			
Additional Postsecondary Preparation A+ Program Career and Technical Ed Certificate Industry Recognized Credential Missouri Seal of Biliteracy NCAA Technical Skill Attainment Other: _____	10	Language Arts	1			10th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____ Advisor's Signature(s): _____
		Social Studies	1			
		Mathematics	1			
		Science	1			
		Electives	3			
Postsecondary Goals _____ _____ _____	11	Language Arts	1			11th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____ Advisor's Signature(s): _____
		Social Studies	1			
		Mathematics	1			
		Science	1			
		Electives	3			
Postsecondary Options: Directly to workforce Military Tech School/Area Career Center Vocational Training (Apprenticeship) 2 year College transfer to 4 year college 4 Year College or University Other: _____	12	Language Arts	1			12th Grade Review Dates: _____ Student's Signature(s): _____ Parents/Guardians' Signature(s): _____ Advisor's Signature(s): _____
		Electives	6			

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Honors and Awards

College Prep Diploma

A Cameron R-I College Prep Diploma is awarded to students who have met the following criteria in addition to graduation requirements.

- The student will have completed all of the requirements for the A+ Program.
- The student will have taken at least one class in each of the four core areas for all 4 years of high school.
- The student will have a cumulative GPA of at least 3.0; or have an ACT score above the Missouri state average.
- The student will have taken the ACT/SAT/ASVAB before the 2nd semester of their senior year.
- The student will have taken a minimum of four AP/Dual Credit courses.

Academic Letter

A Cameron R-1 Academic Letter is awarded to every freshman, sophomore, junior, and senior who has met the following requirements:

- Must be enrolled at CHS by the end of 1st quarter.
- Must be enrolled in 1 class from each of the 4 core areas: math, language arts, social studies and science
- Must be enrolled in a total of 7 courses each semester.
- Must have maintained a 3.2 GPA through the last grade check of the school year.
- A student may be eligible for the first 4 consecutive years, beginning with the initial enrollment in grade 9.
- Any student receiving a failing grade in any class, in any grading period will be ineligible for this award.

Advanced Placement & Dual Credit

It is highly recommended that college bound students enroll in Advanced Placement and Dual Credit courses in order to prepare for their post-secondary education.

Advanced Placement

Cameron High School offers an Advanced Placement (AP) course in US History, Language and Composition, and Literature and Composition. AP courses provide students a rigorous college-level curriculum as defined by the College Entrance Examination Board. Cameron's Advanced Placement courses are defined as Honors courses. If students receive a qualifying grade on an AP exam given in May, they may be eligible for advanced placement or course credits at the vast majority of colleges and universities in the United States. The amount of college credit available is determined by the college/university. All students enrolled in AP coursework are expected to sit for and make an effort on the corresponding AP Exam in May. While there is a cost associated with taking AP exams, fee waivers are available. AP classes are designated as Weighted Classes and follow the GPA guidelines stated later in the general information section of this handbook. **The student does not have to take the AP exam to earn weighted high-school credit.** For information on fee waiver eligibility or any information regarding Advanced Placement, students may access www.collegeboard.org, contact their student's counselor, or the AP Coordinator.

Dual Credit

In cooperation with several area colleges and universities, the Cameron School District offers dual-credit coursework. For certain courses taken for high school credit, eligible junior-level and senior-level students have an option to obtain college credit. Eligibility is determined by each cooperating institution, and it will be made known to students as it is made available to Cameron High School. In many circumstances, a dual credit class requires a student to have 3.0 GPA and/or a specific placement test score. The high school courses with possible dual-credit availability are indicated in the department course description listings and the table following this section. Such dual credit offerings are contingent upon staff availability and student demand. Dual-credit classes are designated as Weighted Classes and follow the GPA guidelines stated later in the general information section of this handbook (see page 28 for more information regarding weighted grade point averages). **The student does not have to take the class for college credit in order to earn weighted high-school credit. Students must take the ACT before enrolling in dual credit classes and have a qualifying ACT score for certain classes.** If you are interested in a dual credit course, please sign up to take the ACT in time to have scores available for course registration with the college. Online dual credit courses are also available. For more information about the dual credit program contact the dual credit coordinator.

Dual Credit Course Offerings

Offerings change each semester - please see Mr. Simpson for an updated list!

National Honor Society Application Process

National Honor Society is the nation's premier organization established to recognize outstanding high school students. More than just an honor roll, NHS serves to honor those students who have demonstrated and continue to demonstrate excellence in the areas of Scholarship, Leadership, Service, Character and Citizenship.

Minimal requirements for eligibility include:

- Completed 3 semesters of high school (at least one of those must be from CHS).
- Have a minimum cumulative 3.75 grade point average.
- Pass a teacher character and leadership evaluation process with 80% faculty approval.
- Shown proof of participation in community service projects.
- Submit the completed application process to the CHS NHS board for approval.

Upon approval, NHS members must maintain the above qualifications and continue to reach the minimum service hours each year.

Latin Graduation Honors

Upon graduation, students will be recognized for their academic accomplishments using the Latin honors system. Grade point average will be computed to two decimal points and students will be recognized as follows:

Summa Cum Laude:	GPA 4.01 and higher
Magna Cum Laude:	GPA 3.90- 4.00
Cum Laude:	GPA 3.75 – 3.89

A+ Schools Program

Student Eligibility

To be eligible for the financial incentives of the A+ Schools Program, a student must have:

- Completed and signed an A+ Schools Program Agreement and turned it into the A+ Coordinator.
- Attend a designated A+ high school in person for any 2 years prior to graduation.
- Graduated with a minimum grade point average of 2.5 on a 4.0 scale.
- Graduated with at least a 95% attendance record for a four-year period.
- Maintained a record of good citizenship; and avoidance of the unlawful use of drugs or alcohol or acts of violence.
- Performed at least 50 hours of unpaid academic tutoring or mentoring, connected to Cameron School District and supervised by a district employee.
- Have achieved a score of proficient or advanced on the Algebra I (or another higher level math) state end of course exam.

Student Benefits

The A+ Program may provide these educational incentives subject to state funding approval.

- Tuition, general fees* subject to legislative appropriation paid for by the state to any of Missouri's public community colleges or public career or technical schools. **
- Incentives will be made available after the student has made a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment. Parents must complete and send in the Free Application for Federal Student Aid (FAFSA). Parental income is NOT a criterion for A+ student incentive reimbursement. Failure to complete the FAFSA will result in denial of A+ benefits.
- Students must be enrolled as a FULL-TIME student, and maintain a grade point average of 2.5 or higher on a 4.0 scale at the institution. Students are eligible to use the incentive for UP TO FOUR years after high school graduation.

*Fees are limited to general fees all students are required to pay.

**Funds become available semester following the student's graduation.



Eligibility for Activities and Athletics

In order to participate in activities at Cameron High School, students must meet the requirements set forth by the Missouri State High School Athletic Association (MSHSAA) and the CHS Student Handbook:

Academic Requirements for Eligibility:

- If you are a beginning ninth grade student, you must have been promoted at the end of the previous year.
- All other students must have earned at least 6 passing semester grades during the previous semester of attendance. (No more than one F)
- ****Students must be earning credit in at least 6 of the 7 periods of classes per semester to maintain eligibility.**

Transferring Students:

- If you transfer schools and your parents do not move into the district of your new school, you will be ineligible for 365 days, unless you apply for a hardship transfer.

Entering School:

- Students must enter school within the first 11 days of the semester in order to be eligible.

NCAA College Freshmen Eligibility Requirement

The NCAA Initial-Eligibility Clearinghouse must certify students planning to participate in NCAA Division I or II sports. Students should start the certification process by the end of their junior year. The information below is taken directly from the NCAA's Guide for the College-Bound-Student-Athlete. See your counselor for an updated yearly listing of Cameron courses that meet NCAA core eligibility.

Division I Academic Eligibility Requirements

If you enroll in a Division I college and want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 courses: four years of English, three years of math (Algebra I or higher), two years of natural or physical science, two years of social science, 1 year of additional English, mathematics or natural/physical science, four years of extra core courses (from any category above, foreign language or philosophy);
- Have a core-course grade-point average (based on a maximum of 4.000) and a combined score on the SAT verbal and math sections or sum score on the ACT based on the qualifier index scale*.
- A student will be a "partial qualifier" if he or she does not meet all of the academic requirements listed above, but has graduated from high school and meets one of the following: The combined SAT score of 820 or ACT sum score of 68; or completion of the core courses with a 2.000 core course grade-point average.
 - A "partial qualifier" is eligible to practice with a team at its home facility and receive an athletics scholarship during his or her first year at a Division I school and then has three seasons of competition remaining.
 - A partial qualifier may earn a fourth year of competition, provided that at the beginning of the fifth academic year following the student-athlete's initial, full-time collegiate enrollment, the student-athlete has received a baccalaureate degree.

Division II Academic Eligibility Requirements

If you enroll in a Division II college and want to participate in athletics or receive an athletics scholarship during your first year, you must:

- Graduate from high school;
- Complete these 16 core courses: 3 years of English; 2 years of math (Algebra I or higher); 2 years of natural or physical science; 3 extra years of English, math or natural or physical science; 2 years of social science; 4 years of extra core courses (from any category above, foreign language, or philosophy);
- Earn a combined SAT score of 820 or an ACT sum score of 68. There is no sliding scale in Division II.
- A student will be a "partial qualifier" if he or she does not meet all of the academic requirements listed above, but has graduated from high school and meets one of the following: The combined SAT score of 820 or ACT sum score of 68; or completion of the core courses with a 2.000 core course grade-point average.
 - A "partial qualifier" is eligible to practice with a team at its home facility and receive an athletics scholarship during his or her first year at a Division II school.

Details of these general requirements are contained in the following section.

Definition of a Core Course (As Defined by The NCAA)

A core course must: be an academic course in one or a combination of these areas: English, mathematics, natural/physical science, social science, foreign language, or philosophy; be four-year college preparatory; and be at or above your high school's regular academic level (no remedial, special education or compensatory courses).

The Cameron School District recommends that students acquire NCAA Clearinghouse eligibility forms during the first week of their senior year. Forms are available online at www.athleticscholarships.net. Students are responsible for following the directions on the NCAA Clearinghouse form regarding mailing procedures and transcript requests. A list of Cameron courses that meet NCAA core course requirements is available in the counseling office. Students may obtain additional information by contacting:

NCAA Initial-Eligibility Clearinghouse
Phone: (800) 974-2171
www.athleticscholarships.net/ncaa-clearinghouse.htm

Credit Recovery and Support Programs

Summer School Program

The Cameron School District offers high school summer school each summer. Courses will be offered pending sufficient enrollment and funding. One-half credit can be earned in a 3 or 4 week session dependent upon the individual class schedule. Due to the short duration of summer school, daily attendance is expected and essential for success. Summer School dates and hours will be announced prior to enrollment.

Academic Credit Recovery

The Cameron School District offers credit recovery for students who are in danger of not graduating on time. This opportunity allows students to complete requirements for a high school diploma when they have fallen behind on credits at the high school or their previous school. Please speak with your school counselor if you have questions regarding credit recovery.

Waivers and Substitutions for Academic Programs for Career and Technical Education Programs of Study

A student may fulfill one unit of academic credit with an LEA approved career and technical education course for any English language arts unit required for high school graduation fulfilling one requirement in English Language Arts. Students must be enrolled their junior and senior years to be eligible to receive the full ELA credit. This credit will be awarded on a pass/fail basis. A half of a credit will be awarded each year the student is enrolled in the career and tech education program.

General Information

Grade Point Averages

The student's grade point average is computed each term at the end of 18 weeks. All courses are included in the term grade point average. The following scale is used to calculate this figure:

	Regular (Unweighted)	Honors (Weighted)*
A	4.000	4.5
A-	3.667	4.167
B+	3.333	3.833
B	3.000	3.5
B-	2.667	3.167
C+	2.333	2.833
C	2.000	2.5
C-	1.667	2.167
D+	1.333	1.833
D	1.000	1.5
D-	0.667	1.167
F	0.000	0.5

*Refer to page 8 for more information regarding weighted classes.

Registration Procedures and Policies

Registration Process for Classes at CHS

- **In February**, counselors will meet with incoming freshman to discuss the transition to high school and creating their Individual Career and Academic Plans. Parents are invited to an evening meeting at the high school to review district graduation requirements and course offerings.
- **In March**, counselors meet with students in grades 9-11 to review available courses and select required and elective courses.
- **In April**, the administration designs a master schedule based upon student requests made during pre-registration.
- **In August**, all students will complete online registration, and a copy of their class schedule will be available.

Class Changes:

- Students will have the **first 3 days** of the semester to complete class changes.
- No class changes will be permitted after that time without administrative approval and possible grade consequences on the permanent transcript.
- Class changes are subject to teacher and counselor approval and will be denied if a class is already full.
- **Students and parents are discouraged from requesting specific teachers for their classes.** Counselors are not allowed to honor those requests. You are asked to speak directly with the principal if there is a concern with a specific teacher.

Schedule Change Policy

A student's schedule will be changed for the following reasons:

1. **COMPUTER ERROR** - If the course number has been incorrectly placed in the computer, the enrollment worksheet will serve as a reference for substituting the correct course.
2. **PREREQUISITE COURSES NOT MET** - Many courses require a prerequisite. If a student has not met the necessary prerequisite, a new course will be substituted.
3. **DUPLICATE CREDIT** -A student may not receive credit for a course twice. A course change will be made if the student has registered for a course for which they already have credit. Exceptions include Music, Journalism, Yearbook, Weight Training, and Physical Education classes.
4. **INCREASE RIGOR IN SCHEDULE** -A student requesting a change to a more difficult core area course will be readily accepted provided space is available.

Adding and Dropping Courses

Students should carefully consider course selections for the next school year. Student course requests provide input for creating the master schedule and determining teacher assignments. Avoiding class overloads and maintaining class balances are of primary importance once the master schedule has been established. The schedule change policy above will be strictly enforced. Students who wish to drop an Advanced Placement or Dual Credit course will be required to submit a parent permission form which is available in the Counseling Center.

Course Offerings

Introduction

The course descriptions that follow represent a brief summary of each class offered at the high school level. The descriptions do not necessarily list all topics and/or activities associated with each class.

Note that some courses require a fee for materials or labs. Students who have been approved for free or reduced price meals can, at their discretion, have any or all of their base material fees waived. Request for the fee waiver must be submitted to the building principal.

Academic Course Descriptions

This course description booklet has been compiled to aid you in choosing classes for next year. It contains a list and description of classes offered at CHS. Additional information listed includes: to whom the course is open, what prerequisites are required, and how many credits the course is worth. Not all classes are offered each year due to changes in faculty, student interest, or, in some cases, state requirements.

The curriculum at Cameron High School has been developed to provide as wide a range of courses as existing facilities and staff will permit. A great amount of time and effort is devoted to the process of students selecting courses and constructing a master schedule that will permit most students to get their course selections.

Co-Teaching

Upon staff availability, language arts and math classes may be co-taught by a teacher certified in content and a teacher certified in special education.

(CA) Communication Arts

4 credits required for diploma

LANGUAGE ARTS I - (1 CREDIT)

Full-year course. Ninth grade English is a foundational course designed to develop students' communication skills and create stronger readers, writers, speakers and listeners. Literature studies include a variety of genres (short stories, poetry, drama, novels, plays, etc.) and the terms associated with these genres that will help students do well in EOC and other standard-based tests. This course covers a broad spectrum of language activities within its year-long course of study and is rooted in basic skills concepts in all phases of language. ***This is a required course for graduation.***

LANGUAGE ARTS II - (1 CREDIT)

Full-year course. Language Arts II is a challenging course that will prepare students for the EOC, ACT, Common Core Standard tests, and for future success in English classes. This course will focus on developing the analysis skills needed to examine increasingly difficult texts. Students will also focus on writing a variety of formal and informal texts. Upon completion of the course, students will be more independent thinkers and readers.

PRE-AP LANGUAGE ARTS II- (1 CREDIT)

Full-year course. The Pre-AP English is aligned with the learning experiences and basic practices of reading, writing and approaching literature. This gives students multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study. Close reading and analyzing a range of complex literary and informational texts. They will learn to value evidence through evaluating textual evidence and incorporating it effectively in writing and speaking. Students will learn to understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners. **(Offered for 10th grade) Prerequisite: Passed LA I with a C or higher.**

LANGUAGE ARTS III - (1 CREDIT)

Full-year course. Language Arts III provides a survey of texts to challenge students to make the connections between ideas, historical context, and to their lives. In addition, students will develop the research skills and writing skills necessary to write academically. This course will analyze persuasive techniques requiring students to use the art of persuasion in debates, speeches, and other projects. Students may have the opportunity to select career exploration units that focus on real world communication skills and work experiences. Upon completion of the course, students will be prepared for additional educational or vocational opportunities.

LANGUAGE ARTS IV - (1 CREDIT)

Full-year course. Senior level English course designed for students who are aiming for vocational education or directly into the workforce. Emphasis will be placed on reading, writing, interpretation, communication and presentation that will showcase skills that will be useful in life beyond high school. Students will focus on skills in the English field that will prepare them to meet the demands of the work force of the 21st century using work-related texts and writing assignments.

AP LITERATURE AND COMPOSITION - (1 CREDIT)

Full-year course. The AP English Literature and Compositions course provides students with a learning experience equivalent to the introductory year of college literature course work. It is designed to teach beginning-college writing through the fundamentals of rhetorical theory. It follows the curricular requirements described in the AP English Course Description. The course will engage students in the careful reading and critical analysis of literature. Through the close reading of literary texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. **(Offered for 11-12th grade)**

COLLEGE ENGLISH (1 CREDIT)

Semester course. This course gives high school seniors the opportunity to take LA IV and College Composition at the same time. The course is based in British Literature but does include American Literature as well as World Literature. The course is writing/reading intense. Students must have an 18 or higher English ACT score to take this class. **Prerequisite: ACT score of 18 on Reading and English**

CREATIVE WRITING – (½ CREDIT)

Semester course. Using a writing workshop method of instruction, students will explore a variety of methods to hone in on their skills in areas of: fiction, prose, poetry, descriptive, short story, narrative and other forms of writing. Opportunities to submit to local and national writing competitions will be encouraged as they develop their writing over an extended time, using professional published material as an anchor, students will analyze different styles of writing as well as the effectiveness of various styles. Presenting both orally and through written form will be required in this course as well as individual and class criticism of work in a workshop mode, and lecture on and discussion of literary techniques in each genre. A final portfolio showcasing the main areas will be required. **11th & 12th grade only.**

SPEECH AND DEBATE – (½ CREDIT)

Semester course. Students will create and perform informative and persuasive speaking in front of a live audience in a variety of speech styles and delivery methods. They will study major speech genres with an 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. **11th & 12th grade only.**

MASS MEDIA - (1 CREDIT)

Full-year course. This course is designed to teach students all areas of newspaper and yearbook production. Students will learn the importance of making deadlines and the impact their work has on a final product. Students will be responsible for interviewing, composing, writing, proofreading, editing, critiquing, attending events, taking photos, and laying out the weekly school newspaper, *The Tank*, and the yearbook, *Mystic*. Students will work both in class and outside of class for the publications. Their work will be followed through to the final level of the writing process when it is published weekly in *The Citizen-Observer* or in the yearbook, *Mystic*. This is a writing-intensive class that is always working on the next deadline. This class may be repeated for additional credit. **Prerequisite: Available to grades 10-12. Students must submit an application and pass a series of interviews before acceptance in this class.**

(MA) Mathematics
3 Credits required for diploma

PRE-ALGEBRA - (1 CREDIT)

Full-year course. This course covers all operations with real numbers, solving linear equations and inequalities, solving and applying proportions, graphing linear and other equations and inequalities. The course will be presented using real-life applications. Students that have successfully completed Pre-Algebra will advance onto Algebra I.

ALGEBRA I - (1 CREDIT)

Full-year course. In this course the student will develop verbal and algebraic models to solve problems and learn how to write and solve equations for these models. Other topics include graphing, writing, and solving linear, quadratic, and exponential equations; simplifying exponents and radicals; factoring polynomials; and applying statistics. Students will be required to take the Algebra I End Of Course (EOC) assessment on successful completion of this course.

ALGEBRA II - (1 CREDIT)

Full-year course. This course is the study of polynomial, rational, radical, exponential and logarithmic functions with opportunities to apply these concepts to real-world situations. Topics will include graphing, solving, writing, and modeling these relationships. Probability and statistics and basic trigonometry are also covered. Algebra II topics can be found on the ACT. Students will be required to take the Algebra II EOC on successful completion of this course.

Prerequisite: Successful completion of Algebra I.

MATH ANALYSIS - (1 CREDIT)

Full-year course. This course is an introduction to sequences and series, both finite and infinite; advanced study of higher degree equations and functions and relations including different methods of equation-solving of upper degree functions; further study of the exponential and logarithmic functions with a study of trigonometry. Students will have opportunities to apply these concepts to real-world situations. Probability and statistics are also covered. This course will prepare students for the ACT and advanced math courses including College Algebra/Trigonometry. This class is important for advanced science classes, and a must for students planning a career in math, science, or business. **Prerequisite: Algebra II.**

INTEGRATED MATH - (1 CREDIT)

Full year course. This course is designed for students who need additional support in foundational math skills and focuses on practical applications of mathematics in real-world contexts. This course does not serve as a preparatory class for Algebra II. Students planning to pursue post-secondary education or training programs requiring Algebra II are strongly encouraged to take Algebra II immediately following Algebra I to maintain continuity in their algebraic understanding. If Algebra II is needed for college or career preparation, enrolling in Algebra II immediately after completing Algebra I is recommended. Delaying Algebra II until senior year, particularly after taking Integrated Math, may leave students underprepared for the advanced content of Algebra II.

Junior/Senior level course ONLY. This course is intended to fulfill the third required math credit and may not be taken if a student has already completed Math Analysis.

PRE-CALCULUS - (1 CREDIT)

Full-year course. Pre-Calculus is designed for students who plan to continue study in college level mathematics. This course provides a more extensive look at mathematical graphs and functions. This course will cover the study of the six trigonometric functions, their graphs, trigonometric identities, the law of sines, the law of cosines, and the inverse functions. Students will study polar coordinates, vectors, and analytic geometry. **Prerequisite: Math Analysis**

COLLEGE TRIGONOMETRY - (1/2 CREDIT)

Semester course. MA104 Analytic Trigonometry. 3 hours. The theory and application of the trigonometric functions and apply them to analytic geometry through an exploration of the conic sections and parametric equations. Students will solve trigonometric equations using identities, algebraic concepts, and inverse trigonometric functions; solve triangles using right triangle ratios, law of sines, and law of cosines; graph the six basic trigonometric functions; and explore trigonometric relationships with vectors and complex numbers. This course is intended for students preparing for calculus or physics. **Prerequisite: College Algebra MA103 completed with a C or better or ACT Math subscore of 22.**

COLLEGE ALGEBRA - (1/2 CREDIT)

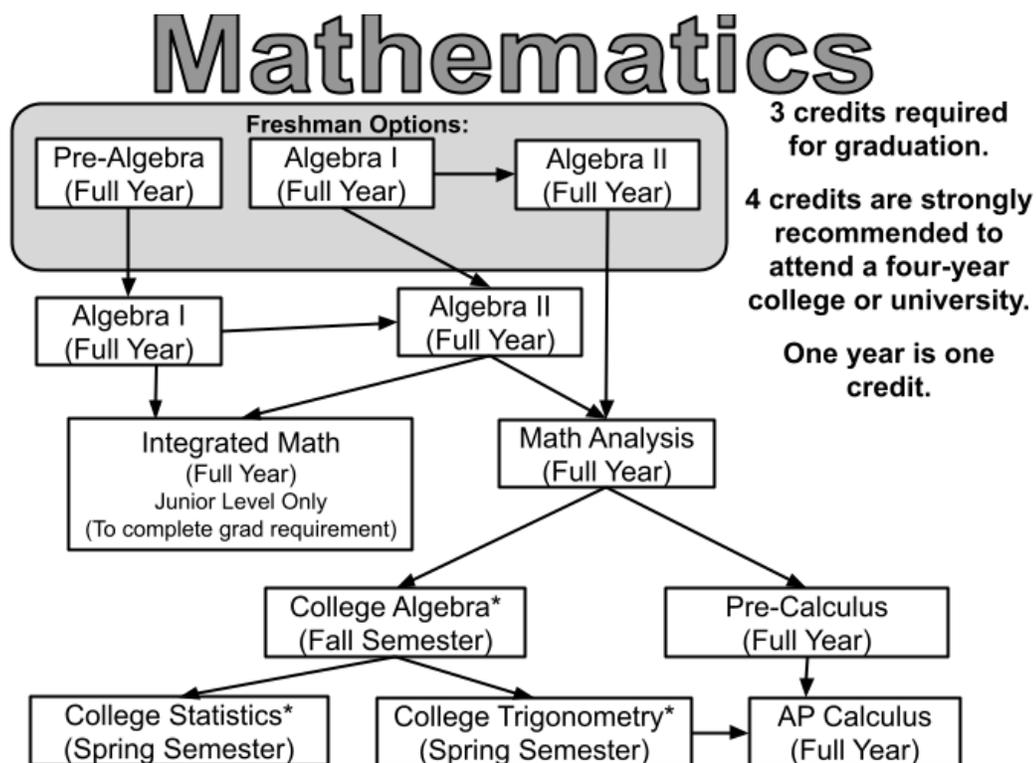
Semester course. MA 103 College Algebra. 3 hours. College Algebra is a study of equations and inequalities, functions and graphs, and systems of equations and inequalities. Students will be able to simplify and solve linear, polynomial, and exponential equations, and develop the skills to develop and use mathematical models. Students will also acquire an appreciation of how these concepts and models are applied in real-world situations. Offered as dual credit through Central Methodist University to students with at least a 3.0 GPA. **Prerequisite: ACT Math Subscore 22 and Math Analysis**

COLLEGE STATISTICS - (1/2 CREDIT)

Semester course. MA105 Elementary Statistics. 3 hours. An introduction to basic statistical procedures with application to all areas. Including describing patterns and departures from patterns, sampling and experimentation, planning and conducting a study, anticipating patterns, exploring random phenomena using probability and simulation, statistical inference, estimating population parameters and testing hypotheses. **Prerequisite: College Algebra MA103 completed with a C or better or ACT Math subscore of 22.**

AP CALCULUS - (1 CREDIT)

Full-year course. Calculus is the study of how things change and it can be divided into two closely related parts: differential calculus and integral calculus. The course will focus on the differentiation and integration of algebraic functions and transcendental functions of a single variable and offer an introduction to analytic geometry. It is a culmination of all mathematical skills learned so far, and is intended for college-bound students who plan to study business, economics, social sciences, life sciences, computer science, or mathematics in college. Topics will include limits, continuity, differentiation, curve sketching, extreme values, rates of change, areas, integrals, and the Fundamental Theorem of Calculus. **Prerequisites: Pre-Calculus OR College Algebra AND Trigonometry.**



3 credits required for graduation.

4 credits are strongly recommended to attend a four-year college or university.

One year is one credit.

*represents courses for which students with a 3.0 GPA and required ACT score have the option of taking as dual credit through Central Methodist University.

For dual credit, College Algebra requires an ACT math sub-score of 20.

(SS) Social Studies
3 credits required for diploma

AMERICAN HISTORY - (1 CREDIT)

Full-year course. The study of American historical events covering the period of 1865 to the present. Special emphasis will be placed on the social, political, and historical happenings of the modern era (1900-present). ***This is a required course for graduation.***

WORLD HISTORY - (1 CREDIT)

Full-year course. This is a survey course that begins with prehistoric times and ends with a description of recent events in international affairs. Each historical time period, from earliest times to present, is dealt with separately. Within each time period, important people, ideas, inventions, and thoughts are described. The various events are developed to show a continuing and connecting relationship of people in the world, and how past events affect present conditions. ***This is a required course for graduation.***

AMERICAN GOVERNMENT - (1 CREDIT)

Full-year course. The American Government class provides introductory material into the philosophy, structure, and function of the United States Government. Emphasis is placed on the founding documents of our nation (Declaration and Constitution), the three branches, basic civil liberties, participation in government, and Missouri State government. The course meets state requirements for the required American Government class. Students will need to pass a U.S. Constitution test and a Missouri Constitution test as well as take an End of Course (EOC) exam in order to be eligible for graduation. ***This course is required for graduation.***

PSYCHOLOGY - (1 CREDIT)

Semester course. Psychology is the study of internal and external forces on behavior, including brain functions, sensation and perception, motivation and emotion, study of the conscious and unconscious and the development of the personality.

SOCIOLOGY - (1/2 CREDIT)

Semester course. Sociology is the study of society's effects on individual behavior. The class will focus on theories of how societies function and why people act the way they do within those societies. It includes discussion of social organization (social classes), social institutions (family, school, government, church, et al.), social problems, and social change.

AP US HISTORY - (1 CREDIT)

Full-year course. AP US History is a survey of American History from Pre-Columbian through current times. There is extensive reading in this course. Students will also be expected to compose essay responses to questions using documents as well as acquired knowledge. Additionally, students need to pass an AP exam in the Spring to receive from 3 to 6 hours of college credit (depending upon which college/university they choose to attend)

CONTEMPORARY ISSUES - (1/2 CREDIT)

Semester course. In this class we will read, discuss, view and research various news sources and topics to better understand the important issues affecting our lives today. Studies have long pointed to the benefits of "current events" programs in shaping a nation of lifelong newsreaders. Using the news, whether in the form of the daily newspaper, TV news reports, internet reports, or classroom discussions of important events -- can go a long way toward developing informed citizens. Students will be required to consider both sides of an issue, create their own narrative/opinion about the issue, and present that to the class. The choice of material may need to change based on governmental topics, current events, or student choices. This is a student led class. ***10th-12th grades only.***

MISSOURI HISTORY - (1/2 CREDIT)

Semester course. Missouri, located in the Midwestern United States, boasts a diverse geography that encompasses both plains and mountains that students will get to learn about. The class will also touch on the 1904 World Fair, also known as the Louisiana Purchase Exposition held in St. Louis, Missouri. This grand international exhibition showcased technological

advancements, cultural displays, and innovations from around the world. The fair celebrated the 100th anniversary of the Louisiana Purchase, which greatly expanded the territory of the United States. Missouri is home to a number of notable individuals who have made significant contributions in various fields. Students will have the opportunity to research some famous individuals from the state. **10th-12th grades only.**

HISTORY IN FILM - (1/2 CREDIT)

Semester course. This course examines various aspects of Social Studies (Government, American History, World History, Psychology, etc.) through film. Students will be able to see a visual depiction of cultures and society through a wide variety of films. The films will be tied into various parts of United States history. By watching, discussing, and writing about these films, we will examine how motion pictures create a window into American history. **10th-12th grades only.**

ECONOMICS - (1/2 CREDIT)

Semester course. This course explains how and why people and societies make economic choices. Students will examine macroeconomic and microeconomic principles in order to understand the fundamentals of the American and global economic systems. Real world application and examples of economic concepts such as supply and demand, gross domestic product, business functions, inflation, and trade will be explored. **10th-12th grades only.**

(SC) Science
3 Credits required for diploma

GENERAL SCIENCE - (1 CREDIT)

Full-year course. This course introduces key concepts in biology and chemistry. In the first semester, students study cells, photosynthesis, and cellular respiration to understand how living organisms function. The second semester focuses on the structure of atoms and the organization of the Periodic Table. **Freshmen Course Only.**

PHYSICAL SCIENCE - (1 CREDIT)

Full-year course. This course is designed to serve as a solid foundation for the study of Physics and Chemistry. First-semester topics to be investigated are phase of matter, properties of elements, chemical bonding and chemical reactions, and an introduction to organic chemistry. Second-semester topics to be investigated are force and motion, conservation and transformation of energy, waves, sound, light, scientific method and measurements.

Available to grades 9-10.

BIOLOGY - (1 CREDIT)

Full-year course. This course involves the study of the general principles of biology. It is designed to introduce the student to the basics of cell biology, principles of heredity and genetics, microbiology, and ecology.

This course is required for graduation.

CHEMISTRY I - (1 CREDIT)

Full-year course. Chemistry I is an introduction to the fundamental principles of chemistry. Concepts stressed include the mole concept, chemical bonding, the structure of matter and matter-energy relationships, periodicity of the chemical elements, equilibrium, the kinetic theory and chemical notation. Also studied are the concepts of reaction stoichiometry, gas laws and solution behavior. **Prerequisite: Biology and Algebra I. Minimum 10th grade.**

CHEMISTRY II - (1 CREDIT)

Full-year course. College chemistry covers all of the material of high school chemistry while investigating deeper into each concept. Topics include: stoichiometry, molecular geometry, gas laws, thermochemistry, redox, types of matter, solution chemistry, and electrons. These topics will be reviewed from the information covered in high school chemistry while adding a deeper understanding as to why the chemical phenomena happen that is not covered in high school chemistry. **Prerequisite: Passed Chemistry I with a B- or higher.**

This is an advanced course and may be taken as a dual credit course. If taken for Dual credit - prerequisites are College Algebra MA103 completed with a C or better or ACT Math subscore of 22

ANATOMY & PHYSIOLOGY - (1 CREDIT)

Full Year course. Anatomy is the study of the structure and function of the human body. Topics include function and structure of individual organs as well as systems, and how they interact with each other to maintain the activities of the individual organism. Also included will be discussion on abnormalities and how they affect the individual. Dissections are required in class. **Prerequisite: Biology I. Minimum 10th grade.**

BOTANY - (1/2 CREDIT)

Semester course. This course includes selected topics in plant biology such as taxonomy (naming and classifying), plant anatomy (parts) and physiology (function) and ecology (interactions). Laboratory research skills such as advanced microscope techniques are developed. **Prerequisites: Biology I. Minimum 10th grade.**

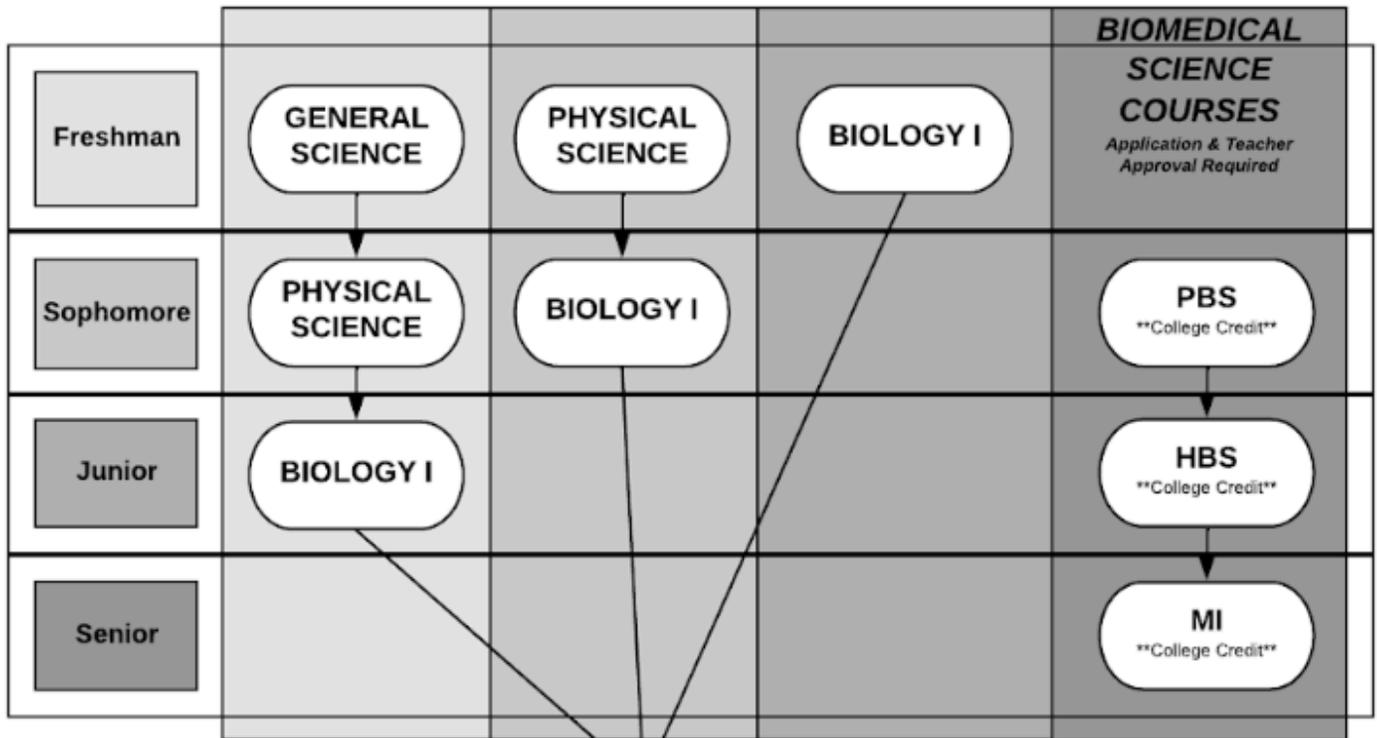
ZOOLOGY - (1/2 CREDIT)

Semester course. This course is an introductory course covering classification of animals and how animals are grouped together. Animals (simple to complex vertebrates) will be examined through lecture and dissection. This class is only offered to juniors or seniors, and dissections are required in class. **Prerequisite: Biology I. Minimum 10th grade.**

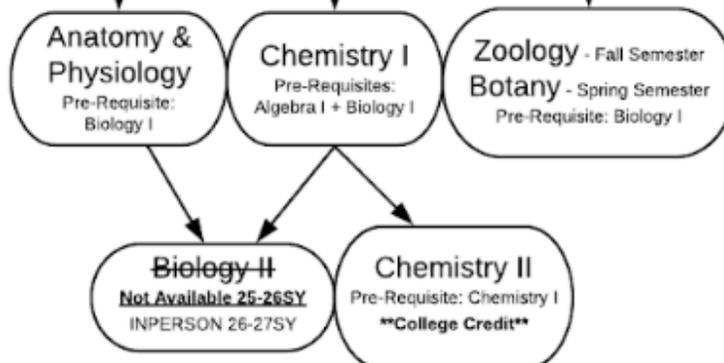
PHYSICS - (1 CREDIT)

Full-year course. Physics deals with the study of matter and energy and how our life is affected by their relationships. Some topics included in the course are the studies of force, motion, work, thermal effects, sound, light, atomic theory, magnetism, and electricity. Students should have a background in trigonometry but is not required **Prerequisite: Algebra II. Minimum 11th grade.**

Science



After Biology, choose from the options below
THREE SCIENCE CREDITS
are required for graduation



(FA) Fine Arts Department

Includes courses in Art, Instrumental Music and Choral Music

1 Credit required for diploma

ART I - (1 CREDIT)

Full-year course. A variety of studio areas are covered. These include drawing in a variety of mediums, design, basic sculpture, and painting. Also included are studies in art history, aesthetics and art criticism.

INTRO TO THEATRE I- (1 CREDIT)

Full-year course. This course is designed for the student interested in dramatic activities with an emphasis on performance. Areas covered in depth include: vocabulary, roles in the theatre, pantomime, movement, acting (scene work and one act plays), theatre evaluation, and theatre history (from ancient Greek to the present). Students will be involved every day in some performance-based activity. There is an emphasis on memorization, working as a team, and classroom attendance. Students will be creating projects throughout the term in groups/ teams just as they would encounter in the professional theatre world.

MUSIC APPRECIATION - (1 CREDIT)

Full-year course. This class is designed to give students a basic understanding of music and to inspire an appreciation for music from a variety of genres and cultures. We will apply the elements of music to our favorite music, learn how to read and apply rhythmic notation, and investigate how music has changed throughout history. Students will demonstrate their knowledge through various hands-on activities, including a presentation on a Western Art Music composer of their choice.

STAGECRAFT - (1 CREDIT)

Full-year course. Stagecraft introduces students to a practical approach to technical and production aspects. Students learn the skills needed to construct scenery, hang and focus lighting instruments, and implement a sound system. Students are trained in the usage of tools, lumber, and machinery. Students will play an active role in the current production. **Prerequisites: Instructor approval and application. Offered to Grades 10-12th**

DRAGON BAND - (1 CREDIT)

Full-year course. A year long course of study encompassing both marching and concert bands. Students will perform at various athletic events and concerts in town and march and play competitively at contests in the region. All scheduled performances are a requirement of the class.

AIMS - (1/2 CREDIT)

Semester course. AIMS (Advanced Instrumental Music Studies) is for the student who wishes to pursue all aspects of their playing skills at a level beyond that achieved in the symphonic band. Students will have weekly private lessons working on specific playing skills for their instrument. Students will compete at the district and state level for honors bands and as soloists. **Prerequisites: Three years prior playing experience, current enrollment in symphonic band, and instructor permission. This course can be repeated for credit.**

AVMS - (1/2 CREDIT)

Semester course. AVMS (Advanced Vocal Music Studies) is for the student who wishes to pursue all aspects of their vocal music skills at a level beyond that achieved in the choral ensembles. Students will have weekly private lessons working on specific vocal music skills. Students will compete at the district and state level for honors choir and as soloists. **Prerequisites: Instructor permission. This course can be repeated for credit.**

MUSIC TECHNOLOGY - (1/2 CREDIT)

Semester course. Music Technology and Theory is a course that explores the intersection of music and technology. On the technology side, students will learn about various tools, software, and equipment used in music production, recording, and performance. The course will cover topics such as digital audio workstations (DAWs), MIDI, sound synthesis, recording techniques, mixing, and mastering. When it comes to music theory, this course introduces students to the fundamental concepts of notation, scales, intervals, chords, rhythm, melody, harmony, and form. Students will learn how to read and write music, analyze musical pieces, and develop a deeper understanding of how music is constructed. Students will also have the opportunity to create their own music compositions using the knowledge and skills gained throughout the course. Additionally, the course may delve into the history and evolution of Music Technology, Business, Audio Visual Production. Focusing on its overall impact on modern music production and performance. **Offered to grades 10-12**

CONCERT CHOIR - (1 CREDIT)

Full-year course. Chorus is a beginning mixed choir open to any student without audition. The class concentrates on the elements of music and the fundamentals of singing. Members of this class are automatically considered members of the Girls/Boy Glee Club and as such perform a concert and at a music contest. Additional performances are given as necessary.

CHAMBER/SHOW CHOIR - (1 CREDIT)

Full-year course. Chamber/Show Choir is an auditioned group of student singers, grades 9-12, that focuses on vocal skills and technique, specifically in the styles of classic and contemporary popular music, musical theater, vocal jazz, classical and chamber. This ensemble features dance as a portion of its performance repertoire, and strength in showmanship is preferred! The group has a variety of performance opportunities throughout the school year, including but not limited to four Show Choir Competitions, Solo and Ensemble Contest, Large Ensemble Contest, as well as Concerts throughout the year. Involvement in Chamber/Show Choir offers a unique opportunity to develop as a vocalist while singing and dancing as a member of an ensemble. Auditions are held in May for the following school year. Concerts outside of the school day are REQUIRED for this course. **Prerequisite: Audition or Instructor's permission.**

STUDIO ART - (1 CREDIT)

Full-year course. Studio Art is a class that builds on art one foundations. Using previous knowledge students continue their exploration of different mediums and develop their range of subject matter. They will reflect on their artwork individually, with peers and student teacher conferences. The teacher will provide opportunities to learn about artists/artwork and demonstrate new skills and techniques. **Prerequisite: Art I**

SCULPTURE/CERAMICS - (1 CREDIT)

Full-year course. Students will learn different sculpture and ceramics styles and techniques. The students will understand how to apply these different styles and techniques to create art work of their own. Along with the knowledge of different sculptors, the students will understand the history of sculpture and ceramics. There will be evaluations of the students' work from the teacher and from their peers. This course will allow the students to understand the processes of sculpting and ceramics and gain respect towards these mediums. **Prerequisite: Art I**

ADVANCED ART: INDEPENDENT STUDY - (1 CREDIT)

Full-year course This class is an independent study for students who wish to explore art media further. Students will be responsible to create a set amount of projects set by the teacher for exploration and then work with the teacher on a one to one basis to learn techniques and processes for the chosen materials. Students will develop pieces and display them as a one man show at the end of the class at the high school art show. Media that students may choose to explore include drawing, painting, mixed media, sculpture, clay/ceramics etc. Students will also be responsible for keeping a journal/sketchbook of their art processes and ideas throughout the school year. **Prerequisite: Art I & Painting/Drawing or Sculpture/Ceramics**

(PA) Practical Arts Department

Includes courses in Agriculture, Business & Technology, Family & Consumer Sciences, and Vocational/Trade Courses

1 Credit required for diploma

Agriculture (Practical Arts-PA)

AG SCIENCE - (1 CREDIT)

Full-year course. The Principles of Agricultural Science – Animal course is intended to serve as one of two foundational courses within the Agriculture sequence. The course is structured to enable all students to have a variety of experiences that will provide an overview of the field of agricultural science with a foundation in animal science so that students may continue through a sequence of courses through high school. Students will explore hands-on projects and activities to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, or industry personnel face in their respective careers. The knowledge and skills students develop will be used in future courses within the Agriculture program. In addition, students will understand specific connections between the Animal Science lessons and Supervised Agricultural Experience, FFA, and LifeKnowledge® components that are important for the development of an informed agricultural education student. Students will investigate, experiment, and learn about documenting a project, solving problems, and communicating their solutions to their peers and members of the professional community. This is an introductory course for freshman and first year sophomores into the agriculture program. This course is required for advanced classes in agriculture education program.

AG SCIENCE II - (1 CREDIT)

Full-year course. This is a class for students who have taken Ag Science their first year in the agriculture program. Topics include, but are not limited to: leadership skills, FFA, SAE, record book, plant science, soil science, fruit and vegetable production, and crop science. **Prerequisite: Ag Science or second year Ag Students.**

AG CONSTRUCTION/STRUCTURES - (1 CREDIT)

Full-year course. This is a one-block course of advanced welding and metallurgy. Eighty days are hands on learning of advanced Arc, MIG, and Oxy-fuel welding. Ninety days are spent on a large project construction. **Prerequisite: Ag Science & Ag Science II, Construction/Structures alternates offering each year.**

ANIMAL SCIENCE - (1 CREDIT)

Full-year course. The animal science class combines classroom with practical experience in the realm of livestock and small animal care and management. In addition, the student will learn marketing principles and strategies. **Prerequisite: Ag Science & Ag Science II**

AGRICULTURE MANAGEMENT AND ECONOMICS (1 CREDIT)

Full-year course. 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.

AGRICULTURE FOOD SCIENCE - (1 CREDIT)

Full-year course. Food Science and Technology is a class that primarily focuses on the food processing industry. In this course the following topics are discussed: food processing, food and safety guidelines, cooking methods, taste palettes, food triangles, balanced diets, supervised agricultural experiences, FFA, career development events, and leadership development events. The goal of this class is to inform students and make them knowledgeable of what, where, and how the food they consume gets to the store, restaurant, or fast-food place and how it's prepared.

Prerequisite: Ag Science & Ag Science II.

NATURAL RESOURCE & WILDLIFE SCIENCE(SEM 1)/FOREST MANAGEMENT (SEM 2)- (1 CREDIT)

Full-year course. Natural Resource and wildlife science prepares students for activities in the conservation and/or improvement of natural resources such as oil, water, air, forests, fish and wildlife for economic and recreational purposes. Forest management includes the following aspects of forestry: economic and environmental importance, harvesting equipment and methods, safety, business agreements for the procurement and/or sale of standing timber, surveying and land measurement, scaling and grading, and the equipment and marketing of Missouri wood products. **Prerequisite: Ag Science & Ag Science II.**

SUPERVISED AGRICULTURAL EXPERIENCE CO-OP - (1 CREDIT)

(2 Credits Max.)

Full-year course. 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. A signed training agreement and training plan must be completed for each student. One hour of classroom instruction and twenty hours of job placement per week of on-the-job training are included in this class. **Seniors only with instructor's permission and interview.**
Prerequisite: Previous enrollment in an Ag Course.

Business/Technology Courses (Practical Arts-PA)

Freshmen, Sophomores, Juniors, OR Seniors

COMPUTER APPLICATIONS - (1/2 CREDIT)

Semester course - This course is designed to help students' master beginning and advanced skills in the areas of word processing, spreadsheet applications, desktop publishing, multimedia, Internet usage, and integrated software applications. Students will work extensively with Microsoft Word, Excel and PowerPoint software. Instructional strategies may include computer/technology applications, simulations, projects, and written and oral communications.
Recommended for students grades 9-10.

INTRO TO BUSINESS/MARKETING - (1/2 CREDIT)

Semester course. This course is designed to enhance the student's ability to succeed in their business and personal life. Statistics show the majority of people end up working in the business world either as owners, managers, or workers. It is imperative that one is competent in managing and using goods and services; knowledgeable about the American business system; and aware of the world of work. The course provides the framework for pursuing additional business courses—economics, entrepreneurship, management, marketing, and law. Instructional strategies may include simulations, projects, and analyzing business situations and decisions.

ACCOUNTING I - (1 CREDIT)

Full-year course. This course is designed for sophomores through seniors. It offers students the opportunity to use and understand basic accounting principles and terminology common to all business and personal bookkeeping. Accounting I instruction will include double-entry accounting (debits and credits), journals, ledgers, financial statements, corporations, partnerships, bank reconciliation, payroll, computerized accounting, and completing the accounting cycle. Instructional strategies will include completing accounting forms, two business simulations, and accounting computer applications.
Recommended for students grades 10-12

MARKETING - (1 CREDIT)

Full-year course. Provides a basic introduction to the scope and importance of marketing in the global economy. Emphasis is placed on oral and written communications, mathematical applications, problem solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management. Instructional strategies may include a school-based enterprise, computer/technology applications, real and/or simulated occupational experiences, and projects. **Prerequisite: Introduction to Business/Marketing. Recommended for students grades 10-12**

DESKTOP PUBLISHING - (1/2 CREDIT)

Semester course - typically offered both Fall and Spring. In this course, students will learn the basics of layout, design, and desktop publishing. Utilizing desktop publishing software, students will create flyers, programs, tri-fold informational handouts, advertisements, and information graphics. Proficiency in the use of basic computer programs is recommended. Instructional strategies may include computer/technology applications, simulations, projects, and written and oral communications. **Recommended for students grades 9-12. Prerequisite: Computer Applications**

WEB DESIGN - (1/2 CREDIT)

Semester course - typically offered both Fall and Spring. This course is designed to enable students to become knowledgeable and responsible users of the Internet. This class focuses on web page planning, basic design, layout and construction, and setup and maintenance of a web site. Students will use basic hypertext markup language to develop web pages. Students will learn to manipulate text, art and graphics, photography, animation, audio, and video. Instructional strategies may include computer/technology applications, simulations, projects, and written and oral communications. **Recommended for students grades 9-12. Prerequisite: Computer Applications**

Juniors OR Seniors

ACCOUNTING II - (1 CREDIT)

Full-year course. Designed for juniors and seniors, this course offers students the opportunity to apply double-entry accounting methods and principles common to all service and merchandising enterprises. Accounting II instruction includes the complete accounting cycle, special journals, payroll, depreciation, inventory, calculating adjustments, notes and interest, receivables, and departmentalized accounting. Instructional strategies will consist of completing accounting forms, accounting computer applications, integrating Excel problems, and two business simulations. Recommended for students grades 11-12. **Prerequisite: Accounting I. Offered as dual credit through Central Methodist University.**

SPORTS & ENTERTAINMENT MARKETING/ADVERTISING - (1 CREDIT)

Full-year course. Sports and Entertainment Marketing and Advertising is a specialized marketing course providing students with the opportunity to apply marketing and advertising principles in the fields of sports and entertainment. Students will learn how to promotion to inform, persuade, or remind consumers of the business organization, including how to utilize the elements of promotion, techniques used in media selection, the creative processes in advertising, and evaluation of advertising's effectiveness. Students will produce and market activities using CHS Social Media for athletic and entertainment programs at the high school. A plan to increase attendance and support for athletic and entertainment (music & theater) functions in the school may be developed. The class may research and work with the private sector and community to help market various programs. Instructional strategies may include computer/technology applications, event planning, real and/or simulated occupational experiences, and projects. **Recommended for students grades 11-12. Prerequisite: Marketing or teacher's discretion.**

PERSONAL FINANCE - (1/2 CREDIT)

Semester course - typically offered both semesters. This semester course is an overview of personal financial planning, record keeping, tax planning, banking services, consumer credit, consumer purchases and protection, housing and transportation selection, purchasing insurance, and investment alternatives. The class provides students the opportunity to master life skills necessary in today's society. Instructional strategies may include investigation of current financial methods, real and/or simulated experiences, guest speakers, and computer/technology applications. **Offered for students grades 10-12.**

ENTREPRENEURSHIP - (1 CREDIT)

Full-year course. This course provides specialized instruction to both theory and practical application of the small business principles necessary for the operation of a successful small business. Designed for students who want to evaluate going into business for themselves or working for a small business. Course content should prove valuable to small business sales, finance, personnel, and the concepts and current practices of managing a small business. Instructional strategies may include school-based enterprise, computer/technology applications, real and/or simulated experiences and projects, and research-based projects. Can be repeated one time for credit. **Prerequisite: Introduction to Business/Marketing; and Marketing recommended. Recommended for students grades 11 & 12 ONLY.**

MARKETING INTERNSHIP - (1 CREDIT)

Full-year course. Students will work at an approved business-related occupation to receive supervised on-the-job training for which they will receive a wage and earn school credit. Coordination between the business, student, and coordinator (teacher) will enhance their training. In the related classroom, the student will study workplace readiness skills, interpersonal skills, communication skills, math skills, and leadership skills. Instructional strategies may include student-driven assignments as they apply to the specific workplace, maintenance of work log, and/or research on employment practices. Concurrent enrollment in Management or Entrepreneurship required. Application submitted to and approved by the instructor. **Offered to students grade 12 ONLY.**

DC COMP APPS - (.5 CREDIT)

Semester course. Students should already be familiar with Microsoft Word and PowerPoint. This class takes students in depth through the tools available in Microsoft Word and PowerPoint, the functions available in Microsoft Excel, and introduced Microsoft Access. Students will also learn how to integrate these programs within each other. **Recommended for students grades 10-12 ONLY.**

DC INTRO TO BUSINESS - (.5 CREDIT)

Semester course. This is an introductory survey course to acquaint students with the major forms of business organizations and to explore the major functional areas of business; accounting, finance, marketing and management within the context of the modern global, political, social and economic environment. **Recommended for students grades 10-12 ONLY.**

Family and Consumer Sciences (Practical Arts-PA)

HOUSING & INTERIOR DESIGN - (1 CREDIT)

Full Year course. This course will focus on the study of architectural styles, the elements and principles of design, architectural drafting/floor planning, careers in the housing and interior design industry, as well as many other topics. Students will gain real-world experience in creating design plans and presentations using the elements and principles of design. **Offered to grades 10-12th**

CHILD DEVELOPMENT - (1/2 CREDIT)

Fall semester only. An instructional program that describes the study of the intellectual, social, emotional, and biological development of children and the planning and design of related human services. Includes instruction in parent-child relations; parenting practices; special needs of children; parental and environmental influences on child development; external support services; and related public policy issues.

ADVANCED CHILD DEVELOPMENT - (1/2 CREDIT)

Spring semester only. An instructional program that provides advanced study in child development and guidance, including the physical, social, and intellectual development of children. Actual experience in supervising children provides the opportunity to improve parenting skills, explore careers related to child development and general employment skills. Offered second semester. **Prerequisite: Child Development**

NUTRITION AND WELLNESS - (1/2 CREDIT)

Fall semester only. An instructional program that prepares individual to understand the principles of nutrition; the relationship of nutrition to health and wellness; the selection, preparation and care of food; meal management to meet individual and family food needs and patterns of living; food economics and ecology; optimal use of the food dollar; understanding and promoting nutritional knowledge; and application of related math and science skills.

FOOD SCIENCE - (1/2 CREDIT)

Spring semester only. A class designed to allow students to construct meaning related to the biochemistry of foods and nutrition and assess the impact of food safety and sanitation on the health and well-being of individuals and families. **Prerequisite: Nutrition and Wellness**

Vocational/Trade Programs (Practical Arts-PA)

HILLYARD TECHNICAL CENTER (3 CREDITS)

Full-year programs. A limited number of students will have the opportunity to attend the technical skill programs in the following areas:

AUTOMOTIVE SERVICE TECHNOLOGY

As automobiles become more complex and expensive, the need for skilled technicians will also continue to be in demand. This program prepares the student for entry-level employment in the field of automotive repair and maintenance.

CARPENTRY

Students in this program will have the opportunity to acquire the necessary skills to become employed in an entry level position in the construction trades industry. This program teaches carpentry skills utilizing classroom and hands-on project based training. Entry in to an occupation related to this program's field of study does not require national and/or state licensure or have any unique requirements for advancement.

COLLISION REPAIR AND FINISHING

In the Collision Repair and Refinish program, students will learn the basics of auto body repair through classroom and hands on experience in the auto collision shop. In the shop students will master the skills involving various hand and power tools, lifting equipment, and welding. Most work will be on passenger cars and light duty pickups, to familiarize students with materials, techniques, and new technologies.

COMPUTER SERVICE TECHNOLOGY

This program prepares students to troubleshoot, repair and maintain computers, printers, servers, software, and networking systems. Computer technician jobs are readily available at the present time and offer opportunities for both full-time and part-time work.

HEALTH SERVICES ASSISTANT

This program is for students who are interested in entry level employment and/or post secondary education in the health care field.

COMPUTER AIDED DRAFTING TECHNOLOGY

The age of computers has brought significant change to the fields of design, drafting, engineering, architecture, and the various other fields related to these areas. This course will equip students with the knowledge and skills necessary to obtain entry-level employment in various design and drafting areas. Approximately 80% of the student's time will be spent on a computer, 20% on board basics.

ELECTRONICS TECHNOLOGY

Electronics is an expanding field. Job opportunities are growing in robotics and bionics maintenance, repair, and design; computers; and communication stations (earth and space) maintenance, repair, and design, and automation. This program teaches the basic skills to open the door to the wonders of the world that have yet to be dreamed.

HEATING, VENTILATION, AC, AND REFRIGERATION

This program is for students who want to work on refrigeration, air conditioning or heating units and systems for Cooling and Heating Contractors, Fuel Oil Dealers, School Systems, or Manufacturing Plants.

PRECISION MACHINE TECHNOLOGY

This program is designed for students who want to get an entry level position as a skilled machinist using manufacture industrial machinery, primary metals machinery, or millwright training.

WELDING TECHNOLOGY

Students will learn different welding processes to weld on carbon steel, aluminum and stainless steel for fabrication of, but not limited to; boilers, lifting devices, boom trucks, metal buildings, nearly anything metal. Also covered is the construction of bridges, large buildings, and pipelines, etc.

EMERGENCY MEDICAL TECHNICIAN BASIC – SENIORS ONLY

Lives often depend on the quick reactions and competent care of emergency medical professionals. People in Emergency Medical Services must respond quickly, often making split-second decisions, which mean the difference between life and death. Students in this program will learn, through a combination of classroom and hands-on experiences, the care and transportation of the sick and injured essentials of lifesaving through emergency medical procedures.

CAREER PATHWAYS TO THE TEACHING PROFESSION

This is a two-year program offered at Hillyard Technical Center featuring Career Pathways for the Teaching Profession I and II. The course is intended for any individual wanting to learn more about, or get a head start on a career in education.

INDUSTRIAL EQUIPMENT REPAIR & MAINTENANCE

As industrial facilities become more complex and expensive, the need for skilled technicians will continue to be in demand. This program prepares the student for entry-level employment in the industrial maintenance and repair industry.

DIESEL TECHNOLOGY

The course is a two-year program offered at Hillyard Technical Center to train students in the knowledge and fundamental skills needed to obtain their certification as a Diesel Mechanic. Students will learn the basics of the diesel engine, its components, and how to correctly and safely repair/service them. Additionally, students will learn to service, repair, and maintain other systems associated with diesel-powered trucks.

EARLY CHILDHOOD PROFESSIONS

Students completing this two-year program will learn the basics of early childhood development, as well as basic care and education for children from the ages of birth through second grade. The second year of the program will be largely focused on “hands on” learning experiences. Students will be prepared to either work in an early childhood setting upon completion or continue their post-secondary education. Students who complete the 2-year program will have the opportunity to earn either certification as a Missouri Paraprofessional or their Child Development Associate credential.

PHYSICAL THERAPY & SPORTS MEDICINE

NEW - *The program description has not been made available yet.*

(PE) Physical Education

1.5 Credits required for diploma

The number of physical education classes a student may take is limited (this does not include health classes). Freshmen and sophomores can only take one physical education class per year. Juniors and seniors can take two physical education classes **only if they are enrolled in four core classes**.

HEALTH - (1/2 CREDIT)

Semester course. This class is required. Health will be a semester course in which students study the physical, emotional, and social aspects of a wellness lifestyle. Major areas studied include physical fitness, anatomy and physiology, body composition, stress, cancer prevention, consumer health, nutrition and weight control, first aid and CPR, tobacco, and alcohol and drug abuse.

PE - (1/2 CREDIT)

Semester course. Emphasis will be placed on the practice and improvement of new sports skills and techniques; understanding of the components of physical fitness; learning of sport and game terminology, strategies, rules, etiquette, ethics, and sportsmanship. **This class is for students 9-12**

CONDITIONING/WEIGHTS- (1/2 CREDIT)

Semester course. This is a beginning level fitness class. Technique and improvement in the fitness components will be taught and emphasized. Areas stressed will be strength, speed, agility, conditioning, and flexibility. Students will be required to dress out and participate. **This course can be repeated for credit. This class is for students 9-12**

ADV CONDITIONING/WEIGHTS- (1/2 CREDIT)

Semester course. This is an advanced level fitness class that builds upon Conditioning/weights. It is geared for athletes. **Prerequisite: Instructor approval. This course can be repeated for credit. This class is for students 9-12**

AEROBIC WALKING/FITNESS- (1/2 CREDIT)

Semester course. This is a non-rigorous course designed for students that need a slower paced workout but still want the benefit of physical activity. This class will emphasize ways to be physically fit in a slower paced environment. **This course can be repeated for credit. This class is for students 9-12**

(EL) Electives

7 Credits

*Elective credits can come from any of the previous subject areas or from foreign language/elective credit areas

(FL) Foreign Language

No credits required for diploma; 2 credits of same language strongly encouraged for college preparation

SPANISH I/II- (1 CREDIT)

Full-year course. A class focused on developing proficiency in Spanish through intensive practice using Rosetta Stone, allowing students to improve their listening, speaking, reading, and writing skills through interactive exercises, audio recordings, and video content, often with an emphasis on conversational fluency and cultural understanding within the target language.

FRENCH I/II- (1 CREDIT)

Full-year course. A class focused on developing proficiency in French through intensive practice using Rosetta Stone, allowing students to improve their listening, speaking, reading, and writing skills through interactive exercises, audio recordings, and video content, often with an emphasis on conversational fluency and cultural understanding within the target language.

Project Lead the Way

The number of sections available for any PLTW class will be determined by the following: (1) availability in the master schedule, (2) teacher availability, and/or (3) number of students pre-registered for each class through the application process. All reasonable attempts will be made to accommodate as many students as possible. In the event that more students have pre-registered than the number of seats available, the following criteria may be used to determine student eligibility for enrollment: (1) students' previous years science/math class grades, (2) students' previous years EOC/MAP science/math scores, and/or (3) teacher recommendations.

PRINCIPLES OF THE BIOMEDICAL SCIENCES - (1 CREDIT)

Full-year course. This is the foundation course for the Biomedical Pathway. Students explore biology concepts through the study of human diseases. Students determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine and research processes. Class size limited to 20. **Minimum of 10th Grade. Application required. Students enrolled in Principles of Biomedical Sciences will be required to have previously taken or be concurrently enrolled in Biology.**

HUMAN BODY SYSTEMS – (1 CREDIT)

Full-year course. This class focuses on exploring science in action; students will build organs and tissues on a skeletal manikin, work through interesting real-world cases, and often play the roles of biomedical professionals to solve medical mysteries. Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. **Prerequisite: Principles of the Biomedical Sciences and minimum of 11th Grade or approval by instructor. May be taken as a standalone course. Application required.**

MEDICAL INTERVENTIONS - (1 CREDIT)

Full-year course. This is the third-year course for students in the Biomedical Science Program. Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the

organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. **Prerequisite: Human Body Systems and minimum of 11th Grade. Application required.**

COMPUTER SCIENCE ESSENTIALS - (1 CREDIT)

Full-year course. Students work in teams to create apps for mobile devices using MIT App Inventor®. They explore the impact of computing in society and build skills in digital citizenship and cybersecurity. Beyond learning the fundamentals of programming, students build computational thinking skills by applying computer science to collaboration tools, modeling and simulation, and data analysis. In addition, students transfer the understanding of programming gained in App Inventor to text-based programming in Python® and apply their knowledge to create algorithms for games of chance and strategy.

COMPUTER SCIENCE PRINCIPLES – (1 CREDIT)

Full-year course. Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. While this course can be a student’s first in computer science, students without prior computing experience are encouraged to start with Introduction to Computer Science. Computer Science and Software Engineering helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. The course curriculum is a College Board-approved implementation of AP CS Principles. **Prerequisite: Introduction to Computer Science.**

COMPUTER SCIENCE A - (1 CREDIT)

Full year course. Computer Science Applications focuses on further developing computational thinking skills through the medium of Android™ App development for mobile platforms. The course utilizes industry-standard tools such as Android Studio, Java™ programming language, XML, and device emulators. Students collaborate to create original solutions to problems of their own choosing by designing and implementing user interfaces and Web based databases. The course curriculum is a College Board-approved implementation of AP CS A. **Prerequisite: Computer Science Principles. Offered every other year.**

CYBERSECURITY - (1 CREDIT)

Full-year course. Cybersecurity introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Nationally, computational resources are vulnerable and frequently attacked; in Cybersecurity, students solve problems by understanding and closing these vulnerabilities. This course raises students’ knowledge of and commitment to ethical computing behavior. It also aims to develop students’ skills as consumers, friends, citizens, and employees who can effectively contribute to communities with a dependable cyber-infrastructure that moves and processes information safely. **Prerequisite: Computer Science A. Offered every other year.**

(EL) Electives: For Credit

ACT PREP/CREDIT RECOVERY - (1/2 CREDIT)

Semester course. This course is designed to improve test taking skills in the four subject areas of the ACT. Practice tests are an integral part of the course. Strongly recommended for all students who will take the ACT. Students may also take credit recovery to make up failed or missing credits.

CADET TEACHING - (1 CREDIT)

Full-year course. Cadet teaching is a program designed to create a learning experience for high school students interested in the field of education. **Seniors only** may participate in this program. Students can be enrolled in only one block of Cadet Teaching per semester. **Program is limited to 10 students. Prerequisite: Excellent attendance record, submit application to instructor for approval.**

LABORATORY ASSISTANT - (1 CREDIT)

A lab assistant is a position available in conjunction with the PLTW Biomedical program. Lab assistant duties will include but are not limited to lab setup, cleanup, tutoring (A+) and other duties assigned by the teacher necessary for biomed classes. Students interested in this position should have a strong background in science, be proficient in lab techniques and potentially be interested in pursuing a science related profession beyond high school. Students interested should contact Mrs. Klenk for more information. Acceptance into a lab assistant position requires teacher approval. Limited positions available.

LIBRARY AIDE - (1 CREDIT)

Full-year course. Students will have the opportunity to express creativity and organizational abilities through tasks such as designing displays, creating bulletin boards, and shelving and weeding materials. Students will refine their communication skills through assisting the librarian, staff members, and students. The library student assistant will acquire skills that will translate to other jobs in the future. Pass/Fail grading scale.

LEADERSHIP - (1 CREDIT)

Full-year course. This course offers students the opportunity to examine leadership theory, develop leadership skills, and apply their knowledge and skills through identified projects. The projects will include the planning of school activities in support of both school and surrounding community objectives. The class will cover such topics as understanding various leadership styles; self-awareness and discovery regarding personal leadership style; project organization; personal and project goal-setting; and using different forms of communication to be an effective leader. **Grades 10-12 only. Prerequisites: Selection process by instructor.**

Dual Enrollment On-Line Courses

Dual enrollment online courses are available through Central Methodist University. Please see the dual enrollment coordinator for more information.

