

# CAPE CENTRAL HIGH SCHOOL

## PROGRAM OF STUDIES

2023 – 2024



1000 South Silver Springs Road  
Cape Girardeau, Missouri 63703  
(573) 335-8228

## **SCHEDULE CORRECTIONS**

The master schedule is developed as a result of student requests for classes. Considerable effort is invested to ensure that each student receives the schedule of her or his choice. It may be impossible to schedule first-choice electives due to the period the class is offered. Alternate electives may be substituted.

Student-initiated schedule corrections will be considered prior to the start of the school year. Following the first day of classes, counselors will only make those schedule corrections requested by teachers. Teacher recommendation corrections must be made prior to the fifth day of the new semester. Any exception to this procedure must be approved by the principal.

# TABLE OF CONTENTS

<i><b>ENROLLMENT GUIDE CONTENTS</b></i>	<i><b>PAGE</b></i>
A+ School Participation Agreement .....	90
A+ Schools Scholarship Program.....	19
ACE Program .....	17
Additional Elective Courses .....	67
Advanced Placement Courses .....	16
Cape Central High School College Preparatory Certificate.....	7
Career & Technology Center Enrollment Application .....	92
Career Clusters .....	20
Class Rank.....	8
College Credit .....	14
Dual College Credit .....	15
Early College Credit.....	14
English Language Arts .....	21
Fine Arts .....	43
Art .....	43
Drama .....	45
Music .....	46
Foreign Languages .....	49
General Information .....	5
High School Graduation Requirements .....	4
Individual Career and Academic Plan (ICAP).....	96
MAC Articulated Credit at CTC.....	18
Mathematics .....	28
NCAA Eligibility Requirements .....	10
Personal Finance.....	57
Physical Education and Health .....	54
Practical Arts .....	58
Business / Marketing .....	58
Career Center One-Hour Courses .....	71
Career Center Three-Hour Courses.....	75
Family and Consumer Science .....	63
Industrial Technology.....	65
Project Lead the Way (Pre-engineering courses at CTC) .....	73
Procedure for Early Graduation for Seniors.....	9
Schedule Corrections.....	1
School Counseling Department .....	3
Science.....	33
Seal of Biliteracy.....	6
Social Studies .....	38
Special Programs .....	87
Special Services .....	88
Student Classification .....	8
Weighted Grades .....	8

# SCHOOL COUNSELING DEPARTMENT

The School Counseling Department is an integral part of the total educational process. At the senior high school level counselors are available to assist students with career planning, academic advising, scheduling, vocational decision making and post-secondary planning. The counselors also teach classroom lessons incorporating the Missouri Model Guidance Curriculum. Important information for parents is included in the counseling newsletter and posted on Central's website at [www.capetigers.com](http://www.capetigers.com).

Students in grades 9-12 work with the same counselor throughout their high school years. The first letter of the student's last name is used to assign students for guidance services as follows:

A – E	Ms. Julie Janzow
F – L	Ms. Nita DuBose
M – R	Ms. Beth Brunkhorst
S – Z	Ms. Angela Rash

Along with the Missouri Connections Program, publications and other printed materials are available in the Counseling Office for Missouri colleges and universities, as well as a number of out-of-state schools. With the many decisions that seniors face, Central's Counseling Office provides the following for seniors to assist them with their planning: MCAC College Advisor, the Southeast Regional College Fair, a Financial Aid Workshop, enrollment workshops for students and parents, and a bi-monthly publication entitled For Seniors that lists important information for seniors.

Position	Name	Telephone
Counselors	Ms. Julie Janzow <a href="mailto:janzowj@capetigers.com">janzowj@capetigers.com</a>  Ms. Nita DuBose <a href="mailto:dubosem@capetigers.com">dubosem@capetigers.com</a>  Ms. Beth Brunkhorst <a href="mailto:brunkhorstb@capetigers.com">brunkhorstb@capetigers.com</a>  Ms. Angela Rash <a href="mailto:rasha@capetigers.com">rasha@capetigers.com</a>	(573) 334-1111
Career & Technology Center	Ms. Joelle Mayfield <a href="mailto:mayfieldj@capetigers.com">mayfieldj@capetigers.com</a>	(573) 334-0826
Registrar	Ms. Jacki Ainsworth <a href="mailto:ainsworthj@capetigers.com">ainsworthj@capetigers.com</a>	(573) 334-1111
MCAC College Advisor  RootEd College Advisor	Parris Nathan <a href="mailto:nathanp@capetigers.com">nathanp@capetigers.com</a>  Nancy Strothmann <a href="mailto:strothmannn@capetigers.com">strothmannn@capetigers.com</a>	(573) 334-1111

# HIGH SCHOOL GRADUATION REQUIREMENTS

A minimum of twenty-four (24) Carnegie units, grades 9-12, are required to be a graduate of Central High School. Most students earn an excess of the required number. The minimum requirements are as follows:

ENGLISH LANGUAGE ARTS ..... 4 Units  
English I, II, and III  
One Elective Unit

SOCIAL STUDIES ..... 3 Units  
American History  
World History/Cultural Geography 1  
Government / Modern American History  
*The Civics test, the United States Constitution test and Missouri Constitution test are given in Government and successful completion of these three tests is required for graduation.*

MATHEMATICS ..... 3 Units

SCIENCE ..... 3 Units  
Fundamental of Science/Conceptual Physics in grade 9.  
Biology is required in grade 11.

FINE ARTS ..... 1 Unit  
Art, Music, Drama

PRACTICAL ARTS ..... ½ Unit  
Family and Consumer Science, Industrial Technology, Business Education, Career Center courses

PHYSICAL EDUCATION ..... 1 Unit  
½ PE is required in grades 9 and 10.

PERSONAL FINANCE..... ½ Unit  
Consumer Education or Personal Finance is required in Grade 11 or 12.

HEALTH..... ½ Unit  
Health is required in grade 10.  
*CPR instruction must be completed as required for graduation.*

ELECTIVES ..... 7.5 Units

TOTAL of 24 UNITS

## GENERAL INFORMATION

1. 8<sup>th</sup> GRADE COURSE CREDIT: A standard unit of measurement shall be used in determining credit for each course offered. High school level Math and Foreign Language taken in the 8th grade at CJHS will be recorded as credit on the student's transcript but will not count toward the high school grade point average (GPA) or class rank
2. AP COURSE ENROLLMENT: It is recommended juniors enroll in no more than two advanced placement courses and seniors enroll in no more than four advanced placement courses.
3. TRANSFER CREDIT: Transfer credit from other schools will be evaluated. The amount of credit the student is allowed to count toward graduation will be determined and a written record will be made of this decision. Courses will be evaluated on the basis of the amount of time allocated to similar classes in our school system.
4. EMBEDDED CREDIT: The Cape Girardeau Career & Technology Center (CTC) offers students an opportunity to earn one unit of high school credit in Embedded Math and one unit of credit in Embedded English through their career education courses. This is an embedded credit which means that the math and writing are taught within the career education course curriculum. Credit is not automatic with a CTC course. To receive credit, students must prove competency in that field either by taking an exam or by providing an acceptable portfolio. The student must request to be enrolled in the Embedded Math. All seniors will automatically be enrolled in the Technical Writing program. These are credited on a P/F basis with a passing grade being 70% or higher.
5. END OF COURSE EXAMS: Cape Central students are required to take the Algebra B/Algebra I, English II, Biology and Government *End of Course* (EOC) exams.

## SEAL OF BILITERACY

The Cape Girardeau Public School District has adopted the Missouri Seal of Biliteracy to recognize students attaining proficiency in English and one or more other world languages before high school graduation. Attainment of biliteracy becomes a part of the student's high school graduation and serves to certify attainment of biliteracy for the community, employers, and universities and demonstrates participation in a global society and economy.

The Missouri Seal of Biliteracy may be earned by graduating high school students. Native English speaking students may acquire the second language through traditional world language classrooms. English Language (EL) students and other heritage language learners are also eligible to earn the Seal. Any student acquiring a language in addition to English is a potential awardee.

Requirements for the Seal of Biliteracy include a 2.5 cumulative GPA, an intermediate to advanced level of proficiency in another language, and a proficient score on the English II EOC. World Language students will take either the STAMPS or the ACTFL Proficiency test to test for language skills. EL students are required to score Proficient on the English II EOC, an 18 or higher on the ACT ELA section, or earn a 4.0 on the ACCESS for ESL 2.0 Assessment. Students will complete the required test their senior year.

Students awarded with the Seal of Biliteracy will be recognized at the high school graduation ceremony and receive a certificate of Biliteracy (Distinguished Missouri Seal of Biliteracy or Missouri Seal of Biliteracy).

*Please see your Counselor or Foreign Language Department Chair for an application.*

# CAPE CENTRAL HIGH SCHOOL COLLEGE PREPARATORY CERTIFICATE

The CHS College Preparatory Studies Certificate is available to those students who meet the following requirements.

<i>COURSE</i>	<i>COLLEGE PREPARATORY CERTIFICATE</i>
<i>ENGLISH LANGUAGE ARTS</i>	4 Units: English I, II, and III (Regular/Honors) Plus 1 elective unit (not embedded English)
<i>MATHEMATICS</i>	3 Units: Algebra B or Algebra I, Geometry, Algebra II
<i>SCIENCE</i>	3 Units: Fundamentals of Science/Conceptual Physics, Biology Plus one elective unit
<i>SOCIAL STUDIES</i>	3 Units: American History, World History/Cultural World Geography, Government /Modern American History
<i>PRACTICAL ARTS</i> FACS, Industrial Technology, Business Education, and Career Center Courses	1/2 Unit
<i>FINE ARTS</i> Art, Music, Drama	1 Unit
<i>PHYSICAL EDUCATION / HEALTH</i>	1 ½ Units: 1 Physical Education, ½ Unit Health
<i>PERSONAL FINANCE</i>	½ Unit: Consumer Education or Personal Finance
<i>FOREIGN LANGUAGES</i>	2 Units (same language)
<i>ELECTIVES</i>	Additional electives to total 24
<i>TOTAL</i>	24 Units

***GPA Requirements***

Have at least a GPA of 3.0 (B average) in the combined areas of Language Arts, Math, Science and Social Studies

***National Testing Requirements***

Score at or above the national average on the ACT or the SAT

***Attendance Requirements***

*Maintain a 9-12 attendance rate of at least 95 %*

## WEIGHTED GRADES

Honors, Dual Credit and Advanced Placement course offerings provide opportunity for students to study and learn at the college level and perhaps meet qualifications for scholarships and financial aid awards.

In these courses topics are covered in greater depth and given additional points on the grade point average scale. Advanced Placement (AP) courses are weighted by adding .67 additional grade points on the total grade points accumulated at the end of each semester for each AP class taken. Honors courses are weighted by adding .33 additional grade points to the total points accumulated at the end of each semester for each Honors class taken. Dual Credit is weighted either .33 or .67 depending on the class course level.

## CLASS RANK

Class Rank is calculated for all students at the end of each semester. All courses are included in calculating grade point averages. Central High School uses a four-point (4.0) scale.

Grade	Points	Grade	Points	Grade	Points
A	4.0	C+	2.33	D-	0.67
A-	3.67	C	2.0	F	0.00
B+	3.33	C-	1.67		
B	3.0	D+	1.33		
B-	2.67	D	1.0		

P (Pass) has no bearing on GPA or class rank

## GRADE LEVEL CLASSIFICATION

Grade level classifications are made at the beginning of each school year.

- **Sophomore** – a second year student who has earned at least 6.0 units of credit
- **Junior** – a third year student who has earned at least 12.0 units of credit
- **Senior** - a fourth year student who has earned at least 17.0 units of credit

## **PROCEDURE FOR EARLY GRADUATION FOR SENIORS**

1. The faculty of Cape Central High School believes in the value of a full-day, eight-semester educational program for all Cape Central students, and the faculty strongly recommends all college-bound students complete a full-day, eight-semester program.
2. The faculty of Cape Central High School believes that as our students become seniors that they should be given the opportunity to earn a reasonable degree of latitude in designing their academic programs in order to prepare them for the freedom they will experience upon graduation.
3. Students who elect to be graduated after the required seven semesters of attendance must complete an Application for Early Graduation during the pre-enrollment process during the spring semester, must be endorsed by the student's parent, counselor and principal, and must be submitted by the deadline date.
4. Students who apply for early graduation must complete all graduation requirements by the conclusion of the seventh semester.
5. Students who apply for early graduation forfeit eligibility for Cape Central scholastic recognition (Top Ten Percent, Salutatorian and Valedictorian). Class rank for early graduates will be determined at the end of the last semester enrolled and will not be included in the final class rank for commencement.
6. Students who are graduated early are not required to participate in commencement exercises; however, if students elect to do so, ordering and payment for cap and gown must be completed before the conclusion of the seventh semester. Early graduates who do not participate in commencement will receive their diplomas the week after the commencement ceremony.
7. Students who are graduated early will be required to complete seventh-semester CAP exams.
8. At the end of the seventh semester early graduates will be considered a Cape Central Alum for all activities except Senior Prom.

# NCAA ELIGIBILITY REQUIREMENTS\*

## DIVISION I ACADEMIC REQUIREMENTS

To study and compete at a **Division I school**, you must earn 16 NCAA-approved **core-course credits**, earn a corresponding test score\* that matches your **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

### CORE-COURSE REQUIREMENTS

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

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, world language or non-doctrinal religion/philosophy)
4 years	3 years	2 years	1 year	2 years	4 years

For Division I, 10 of your 16 NCAA-approved core-course credits must be completed before the start of your seventh semester, including seven in English, math or science.

### QUALIFIER

As a Division I qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division I school.

- » Earn 16 NCAA-approved core-course credits in the right areas.
  - Complete 10 of your 16 NCAA-approved core-course credits, including seven in English, math or science, before the start of the seventh semester.
  - Complete your 16 NCAA-approved core-course credits in eight academic semesters or four consecutive academic years from the start of ninth grade.
- » Earn a corresponding test score that matches your **core-course GPA** (minimum 2.3) on the **Division I Sliding Scale**.\*
- » Submit your final transcript with proof of graduation to the Eligibility Center.

### ACADEMIC REDSHIRT

As a Division I academic redshirt, you may practice during your first regular academic term and receive an athletics scholarship during your first year of full-time enrollment but may NOT compete during your first year of enrollment. You must pass either eight quarter or nine semester hours to practice in the next term.

- » Earn 16 NCAA-approved core-course credits in the right areas.
- » Earn a corresponding test score that matches your core-course GPA (minimum 2.0) on the Division I sliding scale.\*
- » Submit your final transcript with proof of graduation to the Eligibility Center.

\* More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).



## TEST SCORES

Every time you register for the SAT or ACT, use code 9999 to send your scores directly to the Eligibility Center from the testing agency. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscore from each test is used to give you the best possible score.

\* More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).

## CORE-COURSE LIST

Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist). No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

## NONTRADITIONAL AND ONLINE COURSES

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on [your school/program's list of NCAA-approved core courses](#).

## BE AHEAD OF THE GAME

- » Plan to register with the NCAA Eligibility Center at [eligibilitycenter.org](https://eligibilitycenter.org) before your freshman year of high school. Visit [on.ncaa.com/RegChecklist](https://on.ncaa.com/RegChecklist) to help guide you through the registration process.
- » After six semesters of high school, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.

## ADDITIONAL RESOURCES

- » [DII Academic Requirements flyer](#).
- » [DIII Amateurism flyer](#).
- » [International Initial-Eligibility flyer](#).

DIVISION I QUALIFIER SLIDING SCALE					
Core GPA	SAT*	ACT Sum*	Core GPA	SAT*	ACT Sum*
3.550	400	37	2.750	810	59
3.525	410	38	2.725	820	60
3.500	430	39	2.700	830	61
3.475	440	40	2.675	840	61
3.450	460	41	2.650	850	62
3.425	470	41	2.625	860	63
3.400	490	42	2.600	860	64
3.375	500	42	2.575	870	65
3.350	520	43	2.550	880	66
3.325	530	44	2.525	890	67
3.300	550	44	2.500	900	68
3.275	560	45	2.475	910	69
3.250	580	46	2.450	920	70
3.225	590	46	2.425	930	70
3.200	600	47	2.400	940	71
3.175	620	47	2.375	950	72
3.150	630	48	2.350	960	73
3.125	650	49	2.325	970	74
3.100	660	49	2.300	980	75
3.075	680	50	2.299	990	76
3.050	690	50	2.275	990	76
3.025	710	51	2.250	1000	77
3.000	720	52	2.225	1010	78
2.975	730	52	2.200	1020	79
2.950	740	53	2.175	1030	80
2.925	750	53	2.150	1040	81
2.900	750	54	2.125	1050	82
2.875	760	55	2.100	1060	83
2.850	770	56	2.075	1070	84
2.825	780	56	2.050	1080	85
2.800	790	57	2.025	1090	86
2.775	800	58	2.000	1100	86

ACADEMIC REDSHIRT

Want more information? Visit [ncaa.org/playcollegesports](https://ncaa.org/playcollegesports).

### CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec): 877-262-1492  
Monday-Friday, 9 a.m. to 5 p.m. Eastern time

[@ncaaec](https://twitter.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports) [@ncaaec](https://www.facebook.com/ncaaec)



ELIGIBILITY CENTER

NCAA is a trademark of the National Collegiate Athletic Association. October 2022.

# DIVISION II ACADEMIC REQUIREMENTS

To study and compete at a [Division II school](#), you must earn 16 NCAA-approved **core-course credits**, earn a corresponding test score\* that matches your **core-course GPA** and submit your final transcript with proof of graduation to the Eligibility Center.

## CORE-COURSE REQUIREMENTS

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

<b>ENGLISH</b>	<b>MATH</b> (Algebra I or higher)	<b>SCIENCE</b> (including one year of lab, if offered)	<b>ADDITIONAL</b> (English, math or science)	<b>SOCIAL SCIENCE</b>	<b>ADDITIONAL COURSES</b> (Any area listed to the left, world language or non-doctrinal religion/philosophy)
3 years	2 years	2 years	3 years	2 years	4 years

## QUALIFIER

As a Division II qualifier, you may practice, compete and receive an athletics scholarship during your first year of full-time enrollment at an NCAA Division II school.

- » Earn 16 NCAA-approved core-course credits in the right areas.
- » Earn a corresponding test score that matches your **core-course GPA** (minimum 2.2) on the [Division II sliding scale](#).\*
- » Submit your final transcript with proof of graduation to the Eligibility Center.

## PARTIAL QUALIFIER

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

\* More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).



## TEST SCORES

Every time you register for the **SAT** or **ACT**, use code **9999** to send your scores directly to the Eligibility Center from the testing agency. You may take the SAT or ACT an unlimited number of times before you enroll full time in college. If you take either test more than once, the best subscore from each test is used to give you the best possible score.

*\*More information regarding the impact of COVID-19 and test scores can be found at [on.ncaa.com/COVID19\\_Spring2023](https://on.ncaa.com/COVID19_Spring2023).*

## CORE-COURSE LIST

Find your high school's list of NCAA-approved core courses at [eligibilitycenter.org/courselist](https://eligibilitycenter.org/courselist). No core-course list means courses taken from that high school will not count for NCAA eligibility. If your high school does not have a list, you risk being ineligible to play in college.

## NONTRADITIONAL AND ONLINE COURSES

Nontraditional courses are taught online or through distance learning, hybrid/blended, independent study, individualized instruction, correspondence or similar means.

These types of courses may be acceptable for use in the NCAA initial-eligibility certification process; however, it is important to make sure the nontraditional program has been approved and appears on [your school/program's list of NCAA-approved core courses](#).

## BE AHEAD OF THE GAME

- » Plan to register with the NCAA Eligibility Center at [eligibilitycenter.org](https://eligibilitycenter.org) before your freshman year of high school. Visit [on.ncaa.com/RegChecklist](https://on.ncaa.com/RegChecklist) to help guide you through the registration process.
- » After six semesters of high school, ask your high school counselor from each school you have attended to upload an official transcript to your Eligibility Center account.
- » For more information on Division II, visit [ncaa.org/D2](https://ncaa.org/D2).

## ADDITIONAL RESOURCES

- » [DI Academic Requirements flyer](#).
- » [DIII Amateurism flyer](#).
- » [International Initial-Eligibility flyer](#).

DIVISION II QUALIFIER SLIDING SCALE		
Core GPA	SAT*	ACT Sum*
3.300 & above	400	37
3.275	410	38
3.250	430	39
3.225	440	40
3.200	460	41
3.175	470	41
3.150	490	42
3.125	500	42
3.100	520	43
3.075	530	44
3.050	550	44
3.025	560	45
3.000	580	46
2.975	590	46
2.950	600	47
2.925	620	47
2.900	630	48
2.875	650	49
2.850	660	49
2.825	680	50
2.800	690	50
2.775	710	51
2.750	720	52
2.725	730	52
2.700	740	53
2.675	750	53
2.650	750	54
2.625	760	55
2.600	770	56
2.575	780	56
2.550	790	57
2.525	800	58
2.500	810	59
2.475	820	60
2.450	830	61
2.425	840	61
2.400	850	62
2.375	860	63
2.350	860	64
2.325	870	65
2.300	880	66
2.275	890	67
2.250	900	68
2.225	910	69
2.200	920	70 & above

Want more information? Visit [ncaa.org/playcollegesports](https://ncaa.org/playcollegesports).

### CONTACT THE NCAA ELIGIBILITY CENTER

U.S. and Canada (except Quebec): 877-262-1492  
Monday-Friday, 9 a.m. to 5 p.m. Eastern time

[@ncaaec](https://twitter.com/ncaaec) [@playcollegesports](https://www.instagram.com/playcollegesports) [@ncaaec](https://www.facebook.com/ncaaec)



ELIGIBILITY CENTER

\*As provided by the NCAA Eligibility Center

## COLLEGE CREDIT

Cape Girardeau Public Schools recognizes that no one type of program will be appropriate for all students. Student needs and abilities should be assessed individually and schedules or programs tailored as much as possible for each student. Academically talented students will be afforded the opportunity to pursue a more effective multifaceted program that meets cognitive and affective needs of the students. Examples include: granting credit by exam, earning credit through independent study, waiving of course requirements, and enrolling in courses which offer dual credit or early college credit.

### *Early College Credit (taken through Southeast or Cape Outreach Center)*

Students have three opportunities to earn college credit while in high school. One opportunity is through the Early College Credit (ECC) program which allows CHS students to enroll in courses at Southeast Missouri State University or Cape Outreach Center (at a reduced credit hour cost) during the summer immediately following their junior year and/or during the school day when they are juniors and seniors. To participate, students must meet certain requirements and consult their counselor. The program is designed to meet the needs of the exceptional student. The following will serve as guidelines:

1. Approval must be obtained at least one semester in advance and subject to approval by counselor and principal.
2. It is required that students have a B average (3.0), or higher, in their total high school program.
3. Approval will be based on the student meeting early college admissions criteria as outlined in the respective college catalog.
4. Enrollment in university classes must not interfere with the high school education of the student. (Class schedule, progress toward graduation, etc.)
5. Early college credit will be limited to no more than two SEMO/COC classes per semester.
6. Students will earn 1/2 unit of high school credit per semester for a three-hour college class. The grade earned at the college will be accepted at CHS and will be included in high school GPA class rank. Courses taken beyond the AP level must be approved by the department chair and the principal and will carry a .67 weight.
7. Course selection is limited to college classes not available on the CHS campus
8. A student taking a college class during the summer or outside the 7 hour Central High School day will have the option of having the class included as a part of the high school transcript. If the student chooses to have the course transcribed at CHS, the decision must be made at the time of enrollment. The course and grade will be noted on the transcript but will not be included in figuring GPA & credit accumulations.

# DUAL CREDIT

Dual credit is the second option allowing high school sophomores, juniors, and seniors to earn college credit while still in high school. Certain classes taught on the CHS campus have been approved for college credit through Southeast Missouri State University. Students must apply for admission to the university, meet university requirements (cumulative GPA) and pay course fees to Southeast. Enrollment procedures will be handled by individual classes currently approved.

## *CHS Department and Class*

## *Southeast Class*

<b>Business</b>	<b>Credit Hours</b>	<b>Semester</b>	<b>Course Listing</b>
Advanced Computer Applications 1 and 2	3	Year	MI101: Intro to Computer Applications

<b>English</b>	<b>Credit Hours</b>	<b>Semester</b>	<b>Course Listing</b>
Honors Composition I	3	Fall	EN100: English Composition
Honors Composition II	3	Spring	EN140: English Composition
Oral Communication	3	Semester	SC105: Fundamentals of Oral Communication
Interpersonal Communication	3	Semester	SC155: Fundamentals of Interpersonal Communication

<b>Math</b>	<b>Credit Hours</b>	<b>Semester</b>	<b>Course Listing</b>
AP Calculus	5	Year	MA140: Analytic Geometry/Calculus I
AP Pre-Calculus A	3	Fall	MA116: College Algebra
AP Pre-Calculus B	3	Spring	MA 117: Trigonometry
AP Statistics	3	Year	MA 155: Statistical Reasoning

<b>Science</b>	<b>Credit Hours</b>	<b>Semester</b>	<b>Course Listing</b>
AP Biology	3	Year	BS108: Biology for Living

<b>Social Studies</b>	<b>Credit Hours</b>	<b>Semester</b>	<b>Course Listing</b>
AP United States History	3	Fall	US105: American History I
AP United States History	3	Spring	US 107: American History II
AP US Government & Politics	3		PS103: Political Systems

<b>Project Lead the Way</b>	<b>Credit Hours</b>	<b>Semester</b>	<b>Course Listing</b>
Intro to Engineering Design Honors Principals of Engineering	3	Year	MN120: Fundamentals of Engineering Design MN221: Solid Modeling and Rapid Prototyping

# ADVANCED PLACEMENT COURSES

## CENTRAL HIGH SCHOOL OFFERS 16 ADVANCED PLACEMENT (AP) COURSES:

**ENGLISH LANGUAGE ARTS:**  
AP English Literature and Composition

**FINE ARTS:**  
AP Studio Art

**MATH:**  
AP Calculus AB  
AP Pre-Calculus  
AP Statistics

**MUSIC:**  
AP Music Theory

**SCIENCE:**  
AP Biology  
AP Chemistry  
AP Environmental Science  
AP Physics 1

**SOCIAL STUDIES:**  
AP US Government and Politics: United States  
AP United States History  
AP Human Geography  
AP World History

**WORLD LANGUAGES:**  
AP French Language and Culture  
AP Spanish Language and Culture

*\*Depending on class numbers, the course could be offered online.*

# ACE PROGRAM: ACCELERATED COLLEGIATE EXPERIENCE

This is a 2-year program, junior and senior years, in partnership with the Cape Outreach Center (COC) for students to earn college credit towards an Associate of Arts degree while also completing requirement for their high school diploma. Cape Girardeau Public School District will cover the tuition of these college classes each semester, if the student maintains a C or higher in all classes and maintains 95% attendance.

This program is intended for responsible student ready to transition out of the high school setting into a college atmosphere since they will have a full-time college schedule at the Cape Outreach Center, thus no classes at the high school. Students completing the ACE program graduate with an Associate of Art degree from Mineral Area College in addition to their CHS high school diploma.

**Prerequisites: Application Process with essay during Sophomore year for review of overall performance, 3.0 Cumulative GPA or higher, ACCUPLACER (or ACT) Minimum Scores, Recommended strong foundation of Geometry and Algebra II, Review of discipline records, and credits on track for graduation.**

## **Important to Note:**

- Students in this program wanting to continue being involved in extracurriculars where they need to meet MSHAA eligibility, will have to take courses online through Edgenuity in their own time after school, in addition to their college classes, in order to earn the high school credits needed.
- Students in this program forfeit eligibility for Cape Central scholastic recognition for Top Ten Percent, Salutatorian, and Valedictorian.
- Students participating in the ACE program are not eligible for the A+ scholarship program.
- Students are only able to enter the program at the start of their Junior year and cannot join their Senior year.
- Classes taken at the Cape Outreach Center for this program will have the same weight as our honors classes (0.33) for the student's high school GPA.
- Failure to meet grade & attendance requirements will lead to removal from the program and the student will be required to reimburse the school district for tuition and fees incurred.

## **MINERAL AREA COLLEGE ARTICULATED CREDIT AT CTC**

Students who enter articulated career and technical programs will have the opportunity to earn from 3 to 36 semester hours of college credit through Mineral Area College of Park Hills, MO, while earning high school graduation credits. College hours may apply toward an Associate of Applied Science degree (AAS). This is an articulated collaborative program through Mineral Area College (MAC) that allows qualifying juniors and seniors a great opportunity to get a head start on their college education while still in high school.

Students enrolled in an articulation program at CTC will earn the technical portion of the degree while in high school and may complete the general education portion of the degree upon graduation. The general education courses may be completed at MAC's campus in Park Hills, or students may choose to take the courses online with MAC. The credit will be issued to any student who chooses to pursue an Associate of Applied Science degree either on the MAC campus or via online coursework. Once students have completed 15 hours of non-developmental classes, the credit earned at CTC will be issued to them.

Programs with articulation agreements include:

- Automotive Collision Technology
- Automotive Technology
- Early Childhood Education
- Computer Coding and Programming
- Computer Networking and Security
- Construction Technology
- Culinary Arts
- Digital Media Production
- Electrical Trades
- Graphic Design
- HVAC/R
- Landscape/Horticulture
- Marketing
- Precision Machining
- Pre-Engineering by Project Lead the Way
- Welding

## A+ SCHOLARSHIP PROGRAM

In May of 1997, Cape Central High School completed the requirements of the A+ Schools Program and received the designation as being an A+ School by the Board of Education of the State of Missouri. Qualified students graduating from Cape Central High School will be eligible to receive the following:

- ❖ **Scholarship funds to attend a participating public community college or vocational/technical school, or certain private two-year vocational/technical schools in Missouri.**
- ❖ **Some Missouri four-year institutions offer scholarships for students who qualify for A+ funds.**

To be eligible for the scholarship from the A+ School Program, a student must be certified as an A+ student. To qualify, the student must meet the following criteria:

- Complete a Student Participation Agreement with the high school prior to graduation. This form is included within this handbook on page 92.
- Attend an A+ designated school for at least two years.
- Graduate from high school with a cumulative, non-weighted grade point average of 2.5 or higher.
- Have at least a 95% attendance record overall for grades nine through twelve.
- Perform 50 hours of unpaid tutoring, of which up to 25% may include job shadowing.
- Maintain a record of good citizenship and avoid the unlawful use of drugs and/alcohol.
- Make a good faith effort to first secure all available federal post-secondary student financial assistance funds that do not require repayment.
- Students must achieve a proficient or advanced score on the Algebra I End of Course Exam (or other tests as determined by the Missouri Department of Higher Education).
- Must be a US citizen or a permanent resident.

Following high school graduation students will be eligible to receive the A+ Scholarship if they are full-time students, and maintain a 2.5 GPA, or otherwise maintain satisfactory academic progress toward their program of study.

The A+ Scholarship will be made available to reimburse the unpaid balance of the cost of tuition and general fees after available federal post-secondary student financial assistance funds have been applied to those costs.

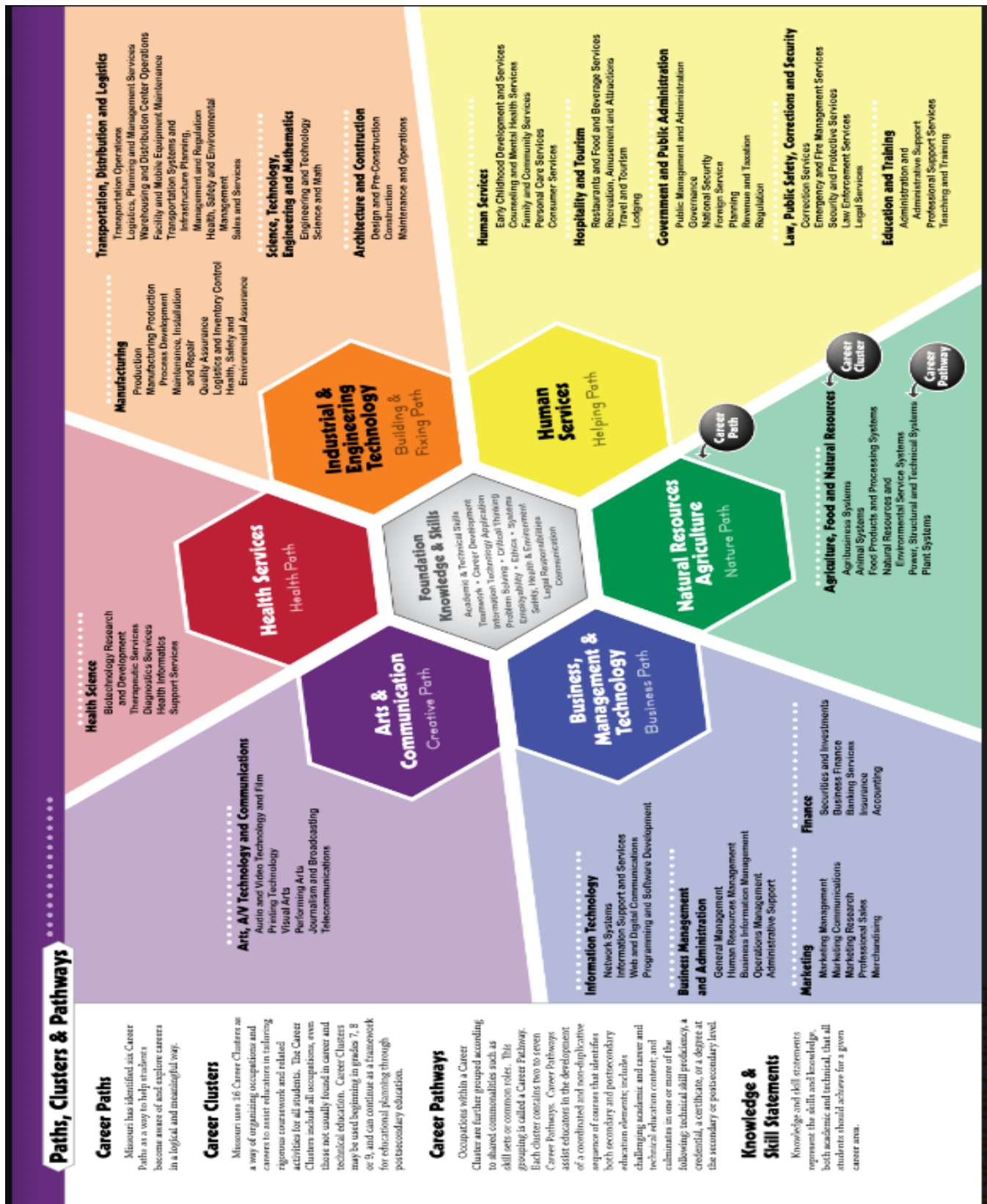
Students must complete their coursework within 48 months of graduation.

Tuition reimbursement is contingent upon the availability of state funds. Funding is not the responsibility of the Cape Girardeau School District.

For more information about this program please contact the A+ Coordinator at Cape Central High School or visit the Missouri Department of Higher Education's website:

[www.dhewd.mo.gov/ppc/grants/aplusscholarship.php](http://www.dhewd.mo.gov/ppc/grants/aplusscholarship.php)

# CAREER CLUSTERS



\*Missouri Connections: [www.missouriconnections.org](http://www.missouriconnections.org)

# ENGLISH LANGUAGE ARTS

## *ENGLISH SEQUENCE:*

9 English I / Honors English I

*English Elective Options:*

Mythology  
Journalism I  
Journalism II

10 English II / Honors English II

*English Elective Options:*

Speech/Debate	Journalism I
Oral Communication	Journalism II
Interpersonal Communication	Shakespeare
Mythology	

11 English III / Honors English III / AP Lit & Comp

*English Elective Options:*

Speech/Debate	Creative Writing
Oral Communication	Journalism I
Interpersonal Communication	Journalism II
Literature of the Holocaust	
Shakespeare	

12 *Senior Course Options:*

English IV	Creative Writing
Speech/Debate	AP Lit & Comp
Honors Composition I	Shakespeare
Honors Composition II	Journalism I
Literature of the Holocaust	Journalism II
Oral Communication	Embedded English/Language Arts (CTC)
Interpersonal Communication	

All levels of English classes provide an opportunity for students to reinforce and expand skills in grammar, sentence structure and word usage through vocabulary study and composition. Written assignments include, but are not limited to, a variety of essay forms, note-taking, and research projects requiring research skills. Students will be introduced to and use MLA (Modern Language Association) format. Reading selections will include short story, novel, drama, and poetry as well as non-fiction pieces. Opportunities for students to improve and enhance speaking and listening skills will be made available through various assignments. A placement assessment will be administered to all in-coming freshman and will be used to determine placement. After initial placement in the regular track, in addition to meeting the grade requirement of B, movement from Regular to Honors track requires the signatures of and a review of student writing sample by the current ELA teacher, the receiving Honors teacher, and the department chair.

## **ENGLISH I**

**9<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course provides an opportunity for each student to reinforce and expand skills in grammar, sentence structure and word usage through composition; to apply literary terms in the analysis of short story, novel, poetry, non-fiction, drama and other written works; extend speaking and listening skills; and to engage in literacy support as needed. Students will be introduced to correct MLA (Modern Language Association) format through various forms of composition including essay, reports, research and other compositions.

## **HONORS ENGLISH I**

**9<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class provides the opportunity for each student to extend skills in writing, academic research skills, word usage, creativity, styles, and grammar and punctuation through composition. Correct MLA (Modern Language Association) format is used in composition and research. Vocabulary expansion will be heavily stressed. Curriculum skills are covered in greater depth. Students enrolled in Honors English I courses are required to complete summer reading selections and related assignments. In each semester, in addition to in-class selections, two out of class reading selections and related assignments will be required.

**Prerequisite: 8<sup>th</sup> grade English with a grade of B or higher, teacher recommendation, and results of the placement assessment.**

## **ENGLISH II**

**10<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class provides an opportunity for students to reinforce and expand skills in oral and written English through grammar, composition, vocabulary; research writing; comparative reading skills; and literacy support as needed. Studies of poetry, short story, drama, novel, and non-fiction genres increase students' appreciation of literature forms and purpose. Modern Language Association format (MLA) is used in a variety of written compositions designed to enhance student understanding of purpose and audience.

## **HONORS ENGLISH II**

**10<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class provides the opportunity for students to engage in an enhanced, in-depth study of a variety of composition forms including academic research skills, various essay forms, word use and stylistic writing techniques, and grammar and punctuation. Students apply comprehension and analysis skills to increase understanding and appreciation of various genres of literature. Curricular skills are covered in greater depth at an accelerated pace. Students enrolled in Honors English II are required to complete summer reading and related assignments. In each semester, in addition to in-class reading selections, two out of class reading selections and related assignments will be required.

**Prerequisite: English I or Honors English I with a grade of B or higher, and teacher recommendation.**

## **ENGLISH III**

**11<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class provides students the opportunity to improve skills in written and oral English as well as increased understanding and use of application and analysis of literary skills. A variety of literature genres will be studied including short story, novel, drama, poetry, and non-fiction to extend comprehension and appreciation of literature, with an emphasis on American literature. Written assignments include, but are not limited to, character analysis, various essay forms, journalistic writing, persuasive and argumentative writing, and research.

## **HONORS ENGLISH III**

**11<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class provides students the opportunity to extend and enhance advanced vocabulary study, independent reading assignments, and the study of several complete major works of literature, as well as a paper of literary criticism. Content is covered at an accelerated pace and in greater depth and breadth. Students are expected to complete work independently. In addition, students enrolled in Honors English III are required to complete summer reading selections and related assignments. In each semester, in addition to in-class selections, two out of class reading selections and related assignments are required.

**Prerequisite: English II or Honors English II with a grade of B or higher and teacher recommendation.**

## ***ENGLISH ELECTIVES***

The state graduation requirement in communications arts is four units which would require all students take four years of English. To satisfy this requirement, students must take two one-semester English electives or one Year English elective.

### **ENGLISH IV**

**12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class provides students the opportunity to improve skills in written and oral English as well as increased understanding and use of application and analysis of literary skills. Students will read and explore a number of selections in several genres including Young Adult Fiction, contemporary fiction, and works of non-fiction. Written assignments include, but are not limited to, character analysis, various essay forms, and research.

### **ORAL COMMUNICATION (Dual Credit with SEMO University)**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Oral Communication is planned to help students overcome their fear of speaking and performing before groups so that they will gain confidence in themselves as speakers. This course aims to give students some fundamental skills in public speaking, discussion and interpersonal communication. Preliminary work is done in use of body research, composition and organization of information. To enhance their public speaking skills students will present speeches to persuade, testimonials, presentation and acceptance, informative and introductions.

**Prerequisite: Previous English course(s) with a grade of C or higher.**

### **INTERPERSONAL COMMUNICATION (Dual Credit with SEMO University)**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is highly recommended for college-bound students, and specifically, students planning a career which will require a variety of verbal and non-verbal communication skills. The course will explore the art of communication through the study of, and participation in, the following: foundations of interpersonal communication, perception awareness, verbal and non-verbal skills, diversity training, and conflict management skills. One primary goal of the course is to provide the student with an acceptable way to express ideas and feelings. This course requires the use of creative and critical thinking and writing skills.

**Prerequisite: Previous English course(s) with a grade of C or higher.**

### **SPEECH & DEBATE**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to study the fundamentals of Speech and Debate. The class reviews stage presence and presentation, using Speech and Debate events such as: Prose/Poetry Reading, HI/DI, Radio Speaking, and Duet Acting. Students will participate in Public Forum Debates in class. Topics for debate are selected by MSHSAA. Students in this course are encouraged to participate on the speech and debate team. Students are expected to help the Speech and Debate Team put on our yearly tournament.

**Prerequisite: Previous English course(s) with a grade of a C+ or higher or teacher recommendation.**

## **CREATIVE WRITING**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course provides opportunities to learn and to improve techniques of creative writing. Emphasis is on syntax, style, and effective, interesting rhetoric. A variety of writing genre is explored. Conferences with the teacher and interaction with other class members are used to enhance and expand the writer's work.

**Prerequisite: Previous core English course(s) with a grade of a C or higher or teacher recommendation**

## **HONORS COMPOSITION I (Dual Credit with SEMO University)**

**12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

The focus of this class is on the process of effective written expression. Honors Composition teaches the critical thinking, reading, and writing skills students need to understand rhetorical situations, generate ideas, and draft and revise college writing assignments. Utilizing all stages of the writing process, students compose and blend modes of writing, including personal narrative, informative, and persuasive modes. In addition, students learn to use research to support their ideas. Mini-lessons cover topics of grammar, mechanics, usage, and rhetoric. This course is recommended for college-bound students interested in improving their writing skills. In addition, students who qualify may take to choose for college credit through Southeast Missouri State University (EN100 English composition).

**Prerequisite: English III or Honors English III with grade of B or higher.**

## **HONORS COMPOSITION II (Dual Credit with SEMO University)**

**12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

The focus of this class is on effective written expression in the context of a liberal education; emphasis on critical thinking and the research paper. Honors Composition II teaches critical thinking, reading, and writing as students learn the principles of academic discourse, including the research process; locating, gathering, and documenting information; analyzing persuasive discourse; and producing writing through a recursive, multi-draft process. Lessons include analysis of persuasive rhetoric, principles of MLA documentation, development of timed-writings, and mini-lessons on grammar and syntax. In addition, students who qualify may take the course for college credit through Southeast Missouri State University (EN 140 Rhetoric and Critical Thinking).

**Prerequisite: Honors Composition I and English III with a B average.**

## **AP LITERATURE & COMPOSITION**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Advanced Placement English Literature and Composition is designed to give advanced seniors the opportunity to study college-level literature and language. Through the examination of sophisticated literature and through application of literary analysis skills and close reading skills, students will develop as critical readers and writers. Students will learn how to use sophisticated vocabulary, sentence structure and syntax to communicate effectively about literary and nonfiction works. Students will analyze poetry, fiction, drama, novels, and nonfiction from primarily the English Renaissance through modern times to determine the literary and rhetorical devices writers employ to convey meaning. Students will write extensively to demonstrate their comprehension of literature's

purpose and the strategies used by writers to achieve that purpose. The major course objectives are to enable every student to read and write for future college courses and to ensure success on the AP English Literature examination in the Spring.

**Prerequisite: Honors English III with a grade of B or higher or teacher recommendation.**

### **MYTHOLOGY**

**9<sup>th</sup> - 10<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Designed as an elective for grades 9 and 10, this high-interest course will explore mythology from cultures around the world: Norse, Greek/Roman, and modern day. Students will be introduced to archetypal characters, plots, settings, and themes from across a variety of cultures. Students will learn and apply basic research skills.

### **LITERATURE OF THE HOLOCAUST**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Through a study of literature, film, art, media, propaganda, drama, and poetry of the Holocaust period, the study of the Holocaust can be placed within a historical context that will allow students to see the relationship of political, social, and economic factors that impacted the times and events and how those events relate to the global society of today. Students will read, reflect, research, and write about the Holocaust and the current events genocide.

### **SHAKESPEARE**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Designed for the student wanting to learn more about Shakespeare and his works, this course will immerse students in his plays and sonnets within their historical context and as interpreted by contemporary directors and audiences. Students will learn about the history and society of Elizabethan and Jacobian England, and will learn how to read well Shakespeare's language in a variety of his poems, songs, excerpts from plays, and whole plays. The class will read a variety of Shakespearean plays.

### **JOURNALISM I (Newspaper)**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

The journalism survey course is designed for students pursuing communication, journalism as a career. This course is preparatory for the college-bound journalism student. The history, ethics, and legalities of journalism will introduce the course. Students will become familiar with journalism terms, AP style, and will learn to write news stories, features, editorials, and sports stories for publication. Students will also be introduced to basic photography and will have an opportunity to take photos for the school paper. Students view films recommended by the Journalism Education Association.

## **JOURNALISM II (Newspaper)**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This advanced journalism course is designed for students pursuing communication or journalism as a career. This course is preparatory for the college-bound journalism student. In addition to further studying the history, ethics and legalities of journalism, students contribute news stories, features, editorials, and sports stories to be published. Students will also use their photography skills to submit pictures for publication. Students will learn layout (using InDesign program) and will be introduced to convergence journalism opportunities. **After school work is required.** This course may be repeated.

**Prerequisite: Journalism I with a grade of C or higher and Teacher recommendation**

## **CAREER EMBEDDED ENGLISH/LANGUAGE ARTS (CTC)**

**12<sup>th</sup> grade**

**Credit – 1.0**

**Year**

Embedded English Language Arts allows all high school seniors to earn one full English credit upon completion of a career portfolio and passing their career program. This portfolio will be personalized to each student showcasing their knowledge, ability, and experience. Students will be expected to attend ELA class, individual conferences, complete work as assigned and participate in a mock interview. The completed portfolio can be used to apply for jobs, college admissions, internships/apprenticeships, and other training programs. Students who satisfy the requirements of the program and maintain a 70% or higher will earn one full English credit.

**Prerequisite: Enrollment in a CTC career education program**

# MATHEMATICS

The mathematics curriculum is divided into the following three categories in order to best meet the needs of Central High School's diverse student population. The Math Concepts category is designed for the student who does not anticipate attending a four-year college or entering a technical field requiring an extensive math background.

The College-Bound without Math Emphasis category is designed for the college-bound student who plans to major in a field not requiring a sophisticated math background such as the humanities.

The third category, College-Bound with Math Emphasis, is designed for the college-bound student who is either mathematically talented or who plans to major in a field such as engineering, science or mathematics.

The prerequisites have been carefully developed and should be followed. If a student's grade is not in compliance with the prerequisite for the class in which she/he wants to enroll, the student and her/his parents will be required to sign a waiver wherein she/he will agree to stay in the class at least until the end of the semester.

## ***CATEGORIES AND COURSES***

<b>Math Concepts</b>	<b>College-Bound Without Math Emphasis</b>	<b>College-Bound With Math Emphasis</b>
Algebra A	Algebra A	Honors Algebra I
Algebra B	Algebra B	Honors Geometry
Geometry	Algebra I	Honors Algebra II
	Geometry	AP Pre-Calculus A
	Algebra II	AP Pre-Calculus B
	AP Statistics	AP Statistics
	Algebra III	AP Calculus AB
	Intro to Data Science	

**ALGEBRA – A**  
**9<sup>th</sup> – 12<sup>th</sup> Grade**  
**Credit – 1**  
**Year**

Algebra A and Algebra B are separate yearlong classes that will together cover Algebra I. This course will introduce students to concepts in the first half of a first year Algebra course. Students will learn to solve linear equations and linear inequalities, graph linear equations in two variables and linear inequalities in two variables.

## **ALGEBRA – B**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Algebra A and Algebra B are separate yearlong classes that will together cover Algebra I. Algebra B includes such topics as solving equations, factoring, polynomial expressions, roots and radicals, quadratic equations, and data analysis. Algebra B will cover the concepts of the second half of a first year algebra course.

**Prerequisite: Algebra A**

## **ALGEBRA I (Honors credit may be earned)**

**9<sup>th</sup> – 10<sup>th</sup> Grade**

**Credit – 1**

**Year**

Algebra I begins the year working with real numbers and applying algebraic properties to real numbers. Students will solve equations and work with simplifying and factoring polynomials. Extensive work is done with numerical and algebraic fractions. Students will then work with functions, systems of linear equations and inequalities and quadratic functions. Extensive problem solving reinforces each of the concepts learned throughout the year. This class prepares students for their work in all other math courses offered at CHS. Honors credit can be earned each semester by having a Term 3 or Term 6 grade of 89.5% or higher.

**Prerequisite: Pre-Algebra**

## **GEOMETRY**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is a concrete approach to Euclidean geometry designed for students of average mathematical ability. It will satisfy the college requirement of a class above Algebra I. Topics included are basic geometric concepts of point, line, plane, angle, as well as the concepts of congruence and similarity of polygons and their properties, area and volume of geometric figures, and coordinate geometry. In addition to strengthening algebraic skills, this course will help develop and refine logical reasoning skills. Students will be enrolled in one of two levels of this course based on teacher recommendation.

**Prerequisite: Algebra I or Algebra B**

## **HONORS GEOMETRY**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Honors Geometry is a rigorous course in formal Euclidean geometry. Topics included are an in-depth study of all those taught in Geometry as well as direct and indirect proofs. Honors Geometry will help the student: (1) develop inductive/deductive and convergent/divergent reasoning skills in both mathematical and nonmathematical situations; (2) further strengthen algebra skills; (3) gain an improved understanding of the methods of coordinate geometry; and (4) appreciate the need for clarity and precision of language.

**Prerequisite: Honors Algebra I or teacher recommendation.**

## **ALGEBRA II**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Algebra II builds upon and develops more fully topics included in Algebra I and Geometry. It covers real number and complex number concepts and skills involving operations with positive and negative numbers and zero. Additional topics are exponents, radicals, graphical and algebraic solutions to equations and inequalities, and properties of polynomial expressions, and basic probability concepts. Other topics covered are rational functions and applications of logarithmic and exponential functions with a consistent focus on ACT preparation.

**Prerequisite: Geometry**

## **HONORS ALGEBRA II**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Honors Algebra II covers real number concepts and skills, the solution of equations and inequalities in one, two, and three variables, verbal problems, and properties of polynomial expressions. Simplifying radicals and solving radical equations will be emphasized along with an introduction to the complex number set. Other topics covered are logarithmic and exponential functions, and conic sections

**Prerequisite: Honors Geometry or teacher recommendation**

## **ALGEBRA III/TRIG**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Algebra III is designed to provide the student with a strong foundation for college-level mathematics for non-Stem majors. First semester covers a more in-depth study of logarithms, conics, matrices, and probability and statistics. Students are more prepared for ACT testing after taking this course. Trigonometric topics are covered in second semester, including how to solve right and oblique triangles, graphing trigonometric functions, and simplify and solve trigonometric identities.

**Prerequisite: Algebra II with a grade of C- or higher.**

## **Intro to Data Science**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is designed to introduce students to reading, understanding, and making inferences about read data. This class is geared toward students who are both interested and not interested in a career in the STEM field. This will be a yearlong course and will extensively use R programming software to read and present data. The course will use R to create data frames, munge data, and read data from all sources including CSV files, JSON Files, and TXT files. Statistics knowledge will be limited to five number summaries, different distributions, central limit theorem, and linear regression analysis with appropriate graphs/maps. This class will also introduce text mining and sentiment analysis, univariate as well as multivariate analysis, and data mining. This will be a project-based class and students will be expected to learn R code both in class and on their own.

**Prerequisite: Algebra II with a grade of C- or higher.**

## **AP PRE-CALCULUS (Dual Credit with SEMO University)**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – ½ or 1**

**Semester or Year**

**First Semester** (MA 116 – 3 credit hours) This course will involve students in solving problems typically found in a College Algebra course and on mathematics placement exams at the college level. Topics include functions and graphs, polynomial and rational functions, exponential and logarithmic functions, and matrices. Graphing calculators are used. **Dual Credit Prerequisites:** ACT Math score of 22 or above, or a required score on the appropriate SEMO departmental placement test. Every student in MA 116 is required to have a graphing calculator. There is no required brand of graphing calculator. **Calculators with Computer Algebra Systems (CAS) and/or Internet access are not allowed.**

**Second Semester** (MA 117 – 3 credit hours) This course will involve students in solving problems typically found in a Trigonometry course and on mathematics placement exams at the college level. Topics includes geometric and trigonometric reasoning required for calculus. Trigonometric functions, identities, graphs and equations, vectors, polar coordinates and conics. **Dual Credit Prerequisites:** MA 116-Pre-calculus A with a minimum grade of “C”. Every student in MA 117 is required to have a graphing calculator. There is no required brand of graphing calculator. **Calculators with the Computer Algebra Systems (CAS) and/or Internet access are not allowed.**

**Prerequisite: Honors Algebra II.**

## **AP CALCULUS AB ( Dual Credit with SEMO University)**

**12<sup>th</sup> Grade**

**Credit – 1**

**Year**

AP Calculus AB uses and reinforces the content of previous courses in mathematics. This course covers the following topics: functions, graphing, continuity, limits, differentiation and its applications, and integration and its applications. In addition, students who qualify may take the course for college credit (5 credit hours) through Southeast Missouri State University (MA140 Analytic Geometry and Calculus I). Graphing calculators are used.

**Dual Credit Prerequisites:** Minimum ACT Math subscore of 26 or MA116 **and** MA 117 with a minimum grade of “C”. Every student in MA 140 is required to have a graphing calculator. There is no required brand of graphing calculator. **Calculators with Computer Algebra Systems (CAS) and/or Internet access are not allowed.**

**Prerequisite: AP Pre-Calculus with a grade of C- or higher.**

## **AP STATISTICS (Dual Credit with SEMO University)**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is designed to provide a non-calculus based course in statistics and probability. It is aimed at the student who plans to enter such fields as economics, business, education, psychology, sociology, biology and medicine, which now require statistics in their course material. An emphasis will be placed on technology using a TI84 series graphing calculator, which is required for this course.

**Dual Credit Prerequisites:** Minimum ACT Math score of 22 with a grade of C or higher in Algebra II, or a minimum score of 80% on the appropriate SEMO departmental placement test. Every student in MA 155 is required to have a TI-84 graphing calculator.

**Prerequisite: Algebra II or Honors Algebra II.**

## **EMBEDDED MATH (CTC Embedded Credit)**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students enrolled in a career education program may earn 1 credit of math in one academic year or a combination of two academic years. Embedded math requires students to use practical mathematics to solve technical, real-life problems. Students must complete an enrollment form with their counselor in order to be enrolled in the course. This is a competency based course so students must pass their CTC course and embedded math exam with a 70% or higher to receive credit.

**Prerequisite: Enrollment in a CTC career education program.**

# SCIENCE

## SCIENCE SEQUENCE:

9 Fundamentals of Science/Conceptual Physics

10 Chemistry / Honors Chemistry  
Earth Science\*  
Honors Physics  
Ecology\*  
Missouri Wildlife\*  
Honors Principles of Engineering

11 Biology / AP Biology

*Electives:*  
Chemistry / Honors Chemistry  
AP Chemistry  
AP Environmental Science  
AP Physics 1  
Ecology\*  
Missouri Wildlife\*  
Earth Science\*  
Honors Physics  
Plant Biology 1\*  
Plant Biology 2\*

12

*Senior Course Options:*  
Chemistry / Honors Chemistry  
AP Chemistry  
AP Physics 1  
AP Environmental Science  
Honors Anatomy and Physiology  
Ecology\*  
Missouri Wildlife\*  
Honors Physics  
Earth Science  
Plant Biology 1\*  
Plant Biology 2\*

\*A student requesting embedded honors for a science course must meet all of the following requirements:

1. Earn a grade of B- or higher for the semester
2. Earn a grade of B- or higher on the semester CAP exam
3. Complete all embedded honors assignments throughout the semester

## **FUNDAMENTALS OF SCIENCE**

**9<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course will expose the student to foundational concepts in science in order to prepare them for future course work in the department. The course will provide an interdisciplinary overview of science concepts with a focus on their importance for life on Earth. Additionally, the course will demonstrate scientific inquiry and increase the student's appreciation of their world.

## **CONCEPTUAL PHYSICS**

**9<sup>th</sup> Grade**

**Credit – 1**

**Year**

A fundamental physics course that focuses on concepts couched in real-life applications. Vivid demonstrations, presentations, simple hands-on activities and laboratory work are used to make meaningful connections to real life. This course is an approach to physics that maximizes the use of students' personal experience in the real world without laborious algebraic problems.

## **HONORS PHYSICS**

**10<sup>th</sup> -12<sup>th</sup> Grade**

**Credit – 1**

**Year**

A fundamental physics course that focuses on concepts couched in real-life applications. Vivid demonstrations, presentations, hands-on activities and laboratory work are used to make meaningful connections to real life. This course is an approach to physics that maximizes the use of students' personal experience in the real world. Students with strong academic skills and strong algebraic skill are encouraged to take this level due to the greater expectations on homework, lab write ups and exams.

**Prerequisite: B or higher in Algebra B/Algebra I or teacher recommendation.**

## **CHEMISTRY**

**10<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Chemistry will focus on the application of chemistry in everyday life. The addition of the chemistry course will provide a chemistry option for students who want chemistry but may not have the math requirement necessary to take Honors Chemistry.

**Prerequisite: Fundamentals of Science or Conceptual Physics, currently enrolled in Algebra B or higher and have completed Algebra A with a grade B or higher.**

## **HONORS CHEMISTRY**

**10<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is a systematic study of the properties and change that takes place in matter. Class discussions are very closely related to laboratory investigations. Topics covered include naming and writing formulas for compounds; writing, balancing and interpreting chemical equations; atomic structure; the state of matter; acid-base theory; and chemical equilibrium systems.

**Prerequisite: Fundamentals of Science or Conceptual Physics and Algebra I with a grade B or higher.**

## **AP CHEMISTRY**

**11<sup>th</sup> -12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course covers some topics introduced in chemistry in greater depth. Included topics will be: stoichiometry, acid-base systems, equilibrium systems, qualitative analysis, redox systems, bonding, organic chemistry, electrochemistry, thermodynamics. Laboratory work and lab reports are fairly extensive. Lab preparation technique is stressed.

**Prerequisite: B or higher in Honors Chemistry and Algebra I or teacher recommendation.**

## **BIOLOGY**

**11<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course consists of the study of living organisms with an emphasis upon the similarities and diversities of living organisms. Biology begins with the study of characteristics and chemical properties of life, along with cellular structure and processes. Through the second half, it builds into the study of complex organisms, ecological interactions, and human impact on the environment.

## **AP BIOLOGY (Dual Credit with SEMO University)**

**11<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is equivalent to a college freshman level biology course. Emphasis will be in the fields of biochemistry, cell organization and energetics, genetics and molecular genetics, and evolution and classification. Students in this class will take either the national AP exam or a semester exam.

**Prerequisite: B or higher in Fundamentals of Science or a teacher recommendation.**

## **EARTH SCIENCE**

**10<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

The course deals with the exchange of energy between the various systems that make up the planet Earth. The topics studied include astronomy, rocks and minerals, geologic time, erosion and mountain building processes, weather, and oceanography.

## AP PHYSICS 1

11<sup>th</sup> - 12<sup>th</sup> Grade

Credit – 1

Year

A physics course that provides a systematic study of the laws of nature that gives students a thorough understanding of physics focused mainly on mechanics. This course emphasizes mathematical problem-solving (algebra & trigonometry but not calculus) and is the equivalent to a first-semester college course in algebra-based physics. Students will learn how useful physics is in their own lives and future professions such as biology, pre-medicine, architecture or environmental sciences. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; mechanical waves and sound. It will also introduce electric circuits. Class is taught using class discussion, problem sessions, lab investigations and audiovisual presentations.

**Prerequisite: Honors Physics and either Trig/Pre-Calculus or Algebra III with a grade of C or higher.**

## AP ENVIRONMENTAL SCIENCE

11<sup>th</sup> - 12<sup>th</sup> Grade

Credit – 1

Year

This course is equivalent to a college freshman level science course. Topics covered will focus on major environmental principles with special emphasis on the impact humans have on their environment.

**Prerequisite: 2 previous Science Credits with a B- or higher in each.**

## HONORS ANATOMY AND PHYSIOLOGY

12<sup>th</sup> Grade

Credit – 1

Year

Honors Anatomy and Physiology will focus on the structure and function of the human body and building a strong foundation for future college-level Anatomy and Physiology courses. The addition of this course will be valuable to students who wish to pursue career pathways in medicine, health sciences, or science education. Students are expected to participate in hands-on lab activities (such as dissection and lab practicals), college-level content lectures, and presentations on research topics in this field. Students encouraged to take this course should understand that strong academic skills are necessary due to the expectations and level of rigor being much greater than other science courses.

**Prerequisite: Biology with a grade A or AP Biology with a grade B or higher or teacher recommendation.**

## ECOLOGY

10<sup>th</sup> – 12<sup>th</sup> Grade

Credit –1/2

Semester 1 only

Ecology will focus on the relationship between organisms and their environment and the dynamics of ecosystems (how nature works). This course will add flexibility to the science curriculum by providing a semester elective course and it can be combined with Southeast Missouri Wildlife to offer the opportunity for students to earn a full unit of science credit by enrolling both semesters. This course is not required to enroll in Southeast Missouri Wildlife.

## **MISSOURI WILDLIFE**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester 2 only**

This course will survey natural populations of Southeast Missouri, primarily local animals. This course will add flexibility to the science curriculum by providing a semester elective course and it can be combined with Ecology to offer the opportunity for students to earn a full unit of science credit by enrolling both semesters. Ecology is not a prerequisite of Southeast Missouri Wildlife.

## **HONORS PRINCIPLES OF ENGINEERING**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This introductory course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn firsthand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences and technological change.

**Prerequisite: Students must be enrolled in or have completed college preparatory sequence of math courses (at least Algebra I or Algebra B in Grade 9).**

## **PLANT BIOLOGY 1**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester 1 only**

The plant biology course has been developed to expose learners to the diversity of organisms in the Plant kingdom, as well as the integral relationship between plants and humans. This exposure to biological knowledge will be presented to the learner with hands on lecture alternative activities including campus field trips, laboratory activities and classroom computer presentations.

**Prerequisite: Biology or currently enrolled in Biology or teacher recommendation.**

## **PLANT BIOLOGY 2**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester 2 only**

The plant biology 2 course has been developed to expose learners to the diversity of aquatic plants and adaptations that allow for their aquatic life history. Emphasis will also be placed on the importance of these plants to the wetland ecosystem. This exposure of biological knowledge will be presented to the learner with lands on activities including campus field trips, in class laboratory activities and classroom computer presentations.

**Prerequisite: Biology or currently enrolled in Biology or teacher recommendation.**

# SOCIAL STUDIES

## *SOCIAL STUDIES SEQUENCE:*

**9 American History**

*Electives:*  
**Cultural World Geography 2**

**10 World History/Cultural World Geography 1 or AP World History**

*Electives:*  
**Cultural World Geography 1**  
**Cultural World Geography 2**

**11 Government (sem) or AP US Government and Politics (year)**

*( Electives below )*

**11 or 12 Modern American History (sem) or AP US History (year)**

*Electives:*  
**AP Human Geography**  
**Contemporary Issues**  
**Cultural World Geography 1**  
**Cultural World Geography 2**  
**Psychology**  
**Sociology**

## AMERICAN HISTORY

**9<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course will explore American History in the years following the Civil War. The course will emphasize Reconstruction, Westward Expansion, Gilded Age, Progressive Era, American Imperialism, World War I, Great Depression and World War II. American History will explore the development of the economic, political, and social systems of the United States.

## WORLD HISTORY

**10<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course offers a survey review of the early world civilizations, renaissance, reformation, and the enlightenment period, age of revolutions, development of the modern nation-states and will conclude with an examination of the major wars of the twentieth century. This world history course includes the study and exploration of major cultures and societies: the development of the economic, political, religious, and social systems.

## CULTURAL WORLD GEOGRAPHY 1

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Cultural World Geography 1 explores how people of the **United States, Canada, Middle/South America, Europe and the former Soviet Union** live. This is a study of how location, physical features of the land, climate, and natural resources shape the economy and history of the nation. Religion, ethnic backgrounds, language, and customs of the people are also stressed. Enrichment includes current events, films, and music. This course is not required to enroll in Cultural World Geography 2.

## CULTURAL WORLD GEOGRAPHY 2

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Cultural World Geography 2 explores how people of **Middle East, Africa, Asia, Australia and the Pacific islands** live. This is a study of how location, physical features of the land, climate, and natural resources shape the economy and history of the nation. Religion, ethnic backgrounds, language, and customs of the people are also stressed. Enrichment includes current events, films, and music. Cultural World Geography 1 is not a prerequisite for World Geography 2.

## **MODERN AMERICAN HISTORY**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course will review American History from 1945 to present day. The course will emphasize the Cold War, Civil Rights Movement, Vietnam War, domestic and foreign politics, globalization, and the War on Terror. The Modern American History class will explore the development of the economic, political, and social systems of the United States.

## **CONTEMPORARY ISSUES**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course emphasizes on current news items dealing in the realm of social, political, and economic areas. Students are encouraged to be aware of the world around them. The use of TV, magazines, newspapers, and other reliable sources provide information for students to learn from the news the changes that will affect their lives. Conducted in an informal manner, students will study printed and video media and relay to the class those contemporary news interests that are transforming the nation and the world.

## **GOVERNMENT**

**11<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This study will review the roots of American government, the Constitutional Convention, and the writing and ratification of the US Constitution. During this study, students will take an in depth view of both the United States and Missouri Constitutions, including the Bill of Rights, amendments, functions of the three branches of government, the basic duties, rights, and responsibilities of all American citizens. The state mandated federal and state constitution exams, and the civics exam will be given in this course.

## **PSYCHOLOGY**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Psychology is the scientific study of human behavior and the application of that knowledge. Students will explore topics ranging from the intellectual foundations of psychology to mental illness. Special attention is given to topics like sensations and perceptions, growth and mental development, and abnormal psychology.

## **SOCIOLOGY**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Sociology is the scientific study of human social life. Within the context of the course students will explore the concepts of social class, social mobility, social control, and cultural values. Cultural contrast will also be drawn between societal systems. Modern social problems like crime, the population explosion, and social stratification will also be explored. All class work will be designed to illustrate the organization and developments of human society.

## **AP WORLD HISTORY**

**10<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course offers an in-depth study of the early world civilizations, renaissance, reformation, and the enlightenment period, age of revolutions, development of the modern nation-states and will conclude with an examination of the major wars of the twentieth century. This world history course includes the study and exploration of major cultures and societies: the development of the economics, political, religious, and social systems. Students will learn to craft historical arguments based upon historical evidence, apply chronological reasoning, compare and contextualize historical developments, and interpret and synthesize historical events based on researched documentation. The advanced course will prepare students for intermediate and advanced college courses. Students enrolling in this course will fulfill their sophomore year World History requirement.

**Prerequisite: B+ or higher in all social studies courses.**

## **AP UNITED STATES HISTORY (Dual Credit with SEMO University)**

**11<sup>th</sup> -12<sup>th</sup> Grade**

**Credit – ½ or 1**

**Semester or Year**

This course will provide students with in depth, analytical and factual knowledge of American History. Historical themes of discovery, settlement, diversity, culture, technology, political, social and economics will be explored. Students will be expected to research, analyze a variety of material and express opinions, both written and through oral discussions. **First semester** (US 105 – 3 credit hours) will focus on European discovery of the New World, colonial development, creation of our constitutional government, westward expansion and the Civil War. **Second semester** (US 107 - 3 credit hours) will focus on American industrialization and development of economic and world power throughout the 20<sup>th</sup> century through to present date. Students enrolling in Second Semester (US 107) will also meet the Modern American History requirement. Students may opt to take only one semester.

**Prerequisite: B+ or higher in all Social studies courses.**

## **AP US GOVERNMENT AND POLITICS (Dual Credit with SEMO University)**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class is an advanced study of the U.S. political system. The following topics for study would include: the structure and interpretation of the United States constitution, governmental institutions, foreign policy, the effects of the media, and the influence and structure of political parties. Students will be expected to gather and analyze information from outside readings, daily lectures, as well as from the textbook. Student preparation and participation in class discussions as well as well-supported opinions in writing are a course expectation. Students enrolling in this course will fulfill their junior year Government Class requirement.

**Prerequisite: B+ or higher in all Social Studies courses.**

## **AP HUMAN GEOGRAPHY**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is an advanced study of the unique relationships that exist between people and the landscapes around them. The primary focus of the course is to understand *where* human populations and activities are located and *why* this occurs. Specific topics will include: geography as a field of inquiry, population patterns, cultural patterns, political organization of space, land use (rural and urban), as well as industrialization and economic development. Students will be expected to complete assigned readings, actively participate in class discussions, hands-on activities, written expression and field work that illustrate an understanding of geography as well as the ability to think spatially.

**Prerequisite: B+ or higher in all social studies courses.**

# FINE ARTS

## *ART*

### ART I

9<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2

Semester

Art I is a beginning art course that concentrates on the utilization and understanding of the elements of Line, Shape, Form, Value, Color, Space, and Texture for expression. This is primarily a studio-type course with emphasis on techniques of drawing, painting, and art appreciation. Students will explore a variety of media in creative design. A variety of tools and materials will be utilized and introduced during production of artwork. Mounting and other methods of presenting final artwork for exhibit will be emphasized.

### ART II

9<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2

Semester

Art II continues as a beginning course that concentrates on the methods and Principles of Variety, Emphasis, Movement, Rhythm, Pattern, Proportion, Balance, and Unity that successfully arrange the “Elements of Art” and influence creativity, artistic expression, and aesthetic judgment. This is primarily a studio-type course that emphasizes techniques of drawing, painting, and art appreciation. Students will further explore a variety of media in creative design. A variety of tools and materials will be utilized and introduced during production of art work as well as improving previously learned skills. Mounting and other methods of presenting final art works for exhibit are emphasized.

**Prerequisite: Art I**

### ART III

10<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1

Year

Art III concentrates on a working knowledge of the Elements and Principles of Art for creativity, personal expression, and successful artistic production. This course emphasizes awareness of unique expressive styles, aesthetic skills and abilities to solve artistic problems and to make value judgments about works of art by past and present artists. Studio work will emphasize advanced techniques of drawing and painting utilizing mixed media and improving skills using tools and materials. Studio work will explore tactile texture and graphic expression. Professional matting and shrink wrap are required of two pieces of artwork. Participation in art shows, exhibits and competitions will be emphasized. Consumable materials fee will be \$20.00.

**Prerequisite: Art II with a grade of B and higher and teacher permission.**

## **ART IV**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Art IV emphasizes the serious art student and stresses experimentation, creativity, and artistic expression through a variety of media and techniques. Advanced painting media will be introduced. Graphic and sculptural techniques will be explored. Refinement of skills using tools and materials will be stressed in all design work. The course will explore various careers and vocations utilizing the areas of art and contemporary trends. Portfolios will be encouraged. Professional matting and shrink wrap are required of two pieces of artwork. Participation in art shows, exhibits and competitions will be required. Consumable materials fee will be \$20.00.

**Prerequisite: Art III with a grade of B or higher and teacher permission.**

## **ART V**

**12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Art V emphasizes the serious art student and stresses experimentation, creativity, and artistic expression through a variety of media and techniques. Advanced painting media will be introduced. Printmaking, fiber art, and mixed media will be explored. Refinement of skills using tools and materials will be stressed in all design work. Portfolios will be encouraged. Professional mattings are required of at least two pieces of artwork. Participation in art shows, exhibits and competitions will be required. Consumable materials fee will be \$40.00.

**Prerequisite: Art IV with a grade of B or higher and teacher permission.**

## **AP STUDIO ART**

**12<sup>th</sup> Grade**

**Credit – 2**

**Year**

AP Studio Art has been developed to accommodate serious art students who have expressed an interest in completing the AP Drawing Portfolio or the AP 2-D Design Portfolio. Through studio practice, application of design concepts and informed decision making, these students will assemble a body of artwork that demonstrates a high level of quality and growth over time of content, technique, and process. Students are also required to maintain a portfolio throughout the year and participate in art shows, exhibitions and competitions. Consumable material fee will be \$40.00.

**Prerequisite: Art IV with a grade of A and teacher permission.**

## **CERAMICS I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to provide a student with an understanding and working knowledge of earthenware. The basic methods of pinch, coil, slab, and forming in clay will be taught. From these methods students will be required to construct three-dimensional forms. The principles of glaze application will be taught as well as the history of ceramics. Consumable materials fee will be \$20.00.

**Prerequisite: Art I**

## **CERAMICS II**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course continues improving skills previously learned and emphasizes greater understanding and working knowledge of basic methods and techniques of earthenware. There will be an emphasis on sculpture in working with form, space, color (glazing), texture, line, and shape. Consumable materials fee will be \$20.00.

**Prerequisite: Ceramics I with a grade of B and higher and teacher permission.**

## **SCULPTURE**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is designed for the serious art student and stresses experimentation in three-dimensional design. Students will explore a wide range of media (wood, stone, and metal), tools, and techniques. Students will develop fundamental and personal concepts concerning subject matter and problem solving as related to sculpture. Consumable materials fee will be \$40.00. Purchasing extra materials will be necessary.

**Prerequisite: 1 credit of Art with a grade of B and higher and teacher permission.**

## ***DRAMA***

### **DRAMA I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course focuses on the basic theories and skills of the dramatic process. Students will discover how to use mind/body/voice to demonstrate knowledge and application of terminology and practices used in theater. Students will write scripts, perform original and classic pieces, and analyze and research characters and plays. Students are expected to perform in front of a class of their peers.

### **DRAMA II**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to take the study of theatre to the next level. The art of theatre is broken down into units, by going through the history of theatre, beginning in ancient Greece, and ending with modern times. This class requires: reading, writing, research, as well as in class performances and large projects. Writing, acting, and research will be based on the historical time period of the unit, ending with a personal script, written and performed by students in the theatre, with an open invitation to friends and family.

**Prerequisite: Drama I**

## *MUSIC*

### **MARCHING BAND**

9<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2

Fall Semester

This course provides opportunities for students who play woodwind, brass and percussion instruments to develop playing and performance skills in the marching band environment. The course is also open to students performing in the marching band color guard. The primary focus of this class is the refinement of the band show within the context of marching band competitions. Band members are required to participate in all activities including home football games, parades, band competitions, pre-school marching clinics and after school rehearsals. Marching season generally coincides with the first semester. May be combined with second semester Wind Symphony with an audition

**Prerequisite: Audition and approval of instructor.**

### **WIND SYMPHONY**

9<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2

Spring Semester

This course is designed for the advanced instrumental musician. Concentrating on the development of instrumental technique, musicianship, music reading, and the fundamentals of instrumental performance, this spring semester class requires attendance at all rehearsals and performances. Admission to this class is by audition and consent of the director.

**Prerequisite: Audition and approval of instructor.**

### **CONCERT BAND**

9<sup>th</sup> -12<sup>th</sup> Grade

Credit – 1

Year

This course provides opportunities for students who play woodwind, brass and percussion instruments to develop the fundamentals of playing and performance skills in the concert band environment. The primary focus of this class is the refinement of individual technique and artistry on each student's instrument as well performing within the concert band environment.

**Prerequisite: Prior instrumental experience or approval of instructor.**

### **JAZZ BAND**

9<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2

Spring Semester

This course is devoted primarily to the continuation and/or development of individual and ensemble performance techniques in the style of Jazz, Latin, Rock, and the Blues. Students will also learn basic skills in the art of improvisation as well as gain insight into the history of the most famous musicians in these genres. Students will perform at jazz festivals, school concerts, and community events during the spring semester.

**Prerequisite: Students must be enrolled in concert band, or marching band 1<sup>st</sup> semester and have approval of instructor.**

## **CONCERT ORCHESTRA**

**9<sup>th</sup> -12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course provides continued study for students who play violin, viola, cello or string bass to develop the fundamentals of playing and performance skills in a string orchestra ensemble. The primary focus of this class is the refinement of individual technique and artistry on each student's instrument as well as performing within the string orchestra.

**Prerequisite: Audition and approval of instructor.**

## **SYMPHONIC ORCHESTRA**

**9<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This course is designed for the advanced violin, viola, cello or string bass, or harp musician. It will concentrate on the development of string instrument technique, musicianship, music reading, and the fundamentals of instrumental performance. This class requires attendance at all rehearsals and performances.

**Prerequisite: Audition and approval of instructor**

## **TREBLE CHOIR**

**9<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This course is designed for the beginning FEMALE vocal student. Emphasis will be placed on vocal technique, musicianship, music reading, and the fundamentals of choral singing. Attendance to all rehearsals and performances is required.

**Prerequisite: Audition and approval of the director.**

## **BASS CHOIR**

**9<sup>th</sup>– 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This course is designed for the beginning male vocal student. Emphasis will be placed on vocal technique, musicianship, music reading, and the fundamentals of choral singing. Attendance to all rehearsals and performances is required.

**Prerequisite: Audition and approval of the director.**

## **BEL CANTO**

**10<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This course is designed for the musically talented and advancing female voice. Concentrating on the development of vocal technique, musicianship, music reading, and the fundamentals of choral singing, this year-long course requires attendance at all rehearsals and performances.

**Prerequisite: Audition and approval of the director.**

## **CONCERT CHOIR**

**10<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This course is designed for advanced musical singers. Students must demonstrate experience in choral singing and an adequate knowledge of good singing technique and sight-reading skills. Attendance to all rehearsals and performances is required.

**Prerequisite: Audition and approval of the director**

## **MUSIC APPRECIATION**

**9<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1/2**

**Semester**

This class is open to all students. Students will study the fundamentals of music, music history, and music in our current cultural context. Students will be expected to learn performance-based skills on various instruments, but they will not be required to perform anything in front of an audience. Students will also be required to study material through textbooks and other written, oral, and visual sources.

## **AP MUSIC THEORY**

**11<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This is an advanced theory course for students of high ability showing evidence of music background and performance experience in band, choir, orchestra, or private instrument (piano, etc.) The course is recommended for college bound students continuing in music.

**Prerequisite: Approval of instructor.**

# FOREIGN LANGUAGES

The Department of Foreign Languages offers French and Spanish plus an honors track in Levels I and II.

**Honors track:** The honors track available in Levels I, II, and III expands and accelerates the regular curriculum. Eligibility for the honors track will be determined according to the student's grade in previous year's World Language class, or by teacher recommendation. AP Language and Culture I and II are offered in French and Spanish. (AP Language and Culture is offered as a fourth and fifth year of study.)

**College Credit:** Students studying the same language continuously through their high school career and who attend a Missouri state college or university may earn **retroactive credit**. During the first semester of collegiate study student will take a second or third level course, earn a C or higher and earn credit for prerequisite courses. Additionally, students may earn college credit for having earned the **Missouri Seal of Biliteracy**.

Foreign Language courses I-III are designed for non-native speakers. Native speakers are discouraged from taking their own language. Please meet with your counselor or the Foreign Language teachers to discuss options.

**Missouri Seal of Biliteracy:** The Missouri Seal of Biliteracy may be earned by graduating high school students. Native English Speaking students may acquire the second language through traditional world language classrooms. English Language (EL) students and other heritage language learners are also eligible to earn the Seal. Any student acquiring a language in addition to English is a potential awardee. Requirements for the Seal of Biliteracy include a 2.5 cumulative GPA, an intermediate to advanced level of proficiency in another language, and a proficient score on the English II EOC. World Language students will take either the STAMPS or the ACTFL Proficiency test to test for language skills. EL students are required to score Proficient on the English II EOC, an 18 or higher on the ACT ELA section, or earn a 4.0 on the ACCESS for ESL 2.0 Assessment. Students will complete the required test their senior year.

## **FRENCH I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Classes stress vocabulary acquisition and use of language in context to convey meaning through storytelling and music. Emphasis is placed on effective communication incorporating grammar. Cultural content is oriented toward the appreciation of the francophone world through readings, projects, and music. Technological and other tools are utilized to enhance vocabulary acquisition, aural, and oral proficiency and a command of the written language. General focus is on communication in the present, simple future tenses and simple past tenses.

**Prerequisite: English with a grade of C or higher and/or a recommendation from English / Exploratory Languages instructor.**

## **HONORS FRENCH I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Classes stress expanded vocabulary acquisition and use of language in context to convey meaning through storytelling and music. Emphasis is placed on effective communication incorporating grammar. Cultural content is oriented toward the appreciation of the francophone world through readings, projects, and music. Technological and other tools are utilized to enhance vocabulary acquisition, aural, and oral proficiency and a command of the written language. The Honors curriculum will expand the regular French I curriculum to include the past tenses. If an Honors French I class is not offered, students may earn honors credit by completing extra requirements in the regular track class.

**Prerequisite: English with a grade of B or higher and/or a recommendation from student's English/Exploratory Language teacher.**

## **FRENCH II**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students continue to build skills fostered in French I as described in French I. Classes feature increased emphasis on oral and written proficiency with grammar, vocabulary, and cultural skills taught in communicative context. General focus is on communication in the past tenses with review of the present tense.

**Prerequisite: French I with a grade of C or higher or teacher recommendation.**

## **HONORS FRENCH II**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students continue to build skills fostered in French I Honors as described in French I Honors. Classes feature increased emphasis on oral and written proficiency with grammar, vocabulary, and cultural skills taught in communicative context. General focus is on communication in the past tenses with review of the present tense and acquisition of the future and conditional tenses.

**Prerequisite: Honors French I with a grade of B or higher or recommendation of teacher and minimum score of 87% or higher on placement test.**

## **HONORS FRENCH III**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students increase proficiency in the four major skill areas (listening, reading comprehension, speaking, and writing). Students engage in progressively complex communicative tasks through storytelling, conversation, reading, and writing, music and film. Various teaching strategies addressing different learning styles allow students to communicate within more authentic linguistic contexts. Students are exposed to prescribed vocabulary used in the past, present and future.

**Prerequisite: French II with a grade of B or higher.**

## **AP FRENCH LANGUAGE AND CULTURE I**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students increase proficiency in the four major skill areas (listening, reading comprehension, speaking, and writing) around the six AP Themes of Family and Communities, Beauty and Aesthetics, Science and Technology, Global Challenges, Contemporary Life, and Personal and Public Identities. Students engage in progressively complex communicative tasks through storytelling, conversation, reading, writing, and authentic listening activities. Students will also read two authentic target language novels and watch and interact with authentic target language movies throughout the year. Various teaching strategies addressing different learning styles allow students to communicate within more authentic linguistic contexts. Students are exposed to prescribed vocabulary used in the past, present, future, as well as compound tenses. Students will read an assigned novel during the summer before this class.

**Prerequisite: Honors French III with a grade of B or higher or teacher recommendation.**

## **AP FRENCH LANGUAGE AND CULTURE II**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students continue to build upon increasing proficiency from AP French Language and Culture I in the four major skill areas (listening, reading comprehension, speaking, and writing) centered around the six AP Themes of Family and Communities, Beauty and Aesthetics, Science and Technology, Global Challenges, Contemporary Life, and Personal and Public Identities. Students engage in progressively complex communicative tasks through storytelling, conversation, reading, writing, and authentic listening activities. Students will read two authentic target language novels and watch and interact with authentic target language movies throughout the year. Various teaching strategies addressing different learning styles allow students to communicate within more authentic linguistic contexts. Students are exposed to prescribed vocabulary used in the past, present, future, as well as compound tenses. Students will read an assigned novel during the summer before this class.

**Prerequisite: AP French Language and Culture I with a grade of B or higher or teacher recommendation.**

## **SPANISH I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Spanish I will stress vocabulary acquisition and use of language in context to convey meaning. Stress is placed on effective communication, incorporating grammar fundamentals and cultural information in a communicative context. Technological and other communicative tools are utilized to enhance vocabulary acquisition, pronunciation, aural and oral proficiency, and a command of the written language. General focus is on communication in the present tenses.

**Prerequisite: English with a grade of C or higher and/or a recommendation from English / Exploratory Languages instructor.**

## **HONORS SPANISH I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This class accelerates the curriculum of basic Spanish I to incorporate more vocabulary and practice in reading and writing. In addition, students will learn to communicate in the past tenses as well as the present. If an Honors Spanish I class is not offered, students may earn honors credit by completing extra requirements in the regular track class.

**Prerequisite: English with a grade of B or higher and/or a recommendation from English / Exploratory Languages teacher.**

## **SPANISH II**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students continue to build skills fostered in the introductory course described above. Classes feature increased emphasis on oral and written proficiency, with vocabulary, grammar and cultural skills taught in communicative context. General focus is on communication in the past tenses, with review of the present.

**Prerequisite: Spanish I with a grade of C or higher or teacher recommendation.**

## **HONORS SPANISH II**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students will have an intensive review of vocabulary, as well as present and past tenses, and will learn the future and conditional tenses. Emphasis will continue to be on oral and written communication in the language, with increased attention to grammatical precision. Students will have many opportunities to expand their aural and reading comprehension, as well as increase their ability to express themselves effectively in conversation and in writing.

**Prerequisite: B or higher in Honors Spanish I and/or recommendation from Spanish teacher and minimum of 87% score on placement test.**

## **HONORS SPANISH III**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students increase proficiency in the four major skill areas (listening and reading comprehension, speaking and writing) and engage in progressively complex communicative tasks through storytelling, conversation, formal presentations, reading and writing. Various teaching strategies addressing different learning styles allow students to communicate within more authentic linguistic contexts. Grammar instruction will focus on the perfect tenses and the subjunctive mode, and vocabulary acquisition will continue to be paramount.

**Prerequisite: Honors Spanish II with a grade of B or higher or recommendation from Spanish teacher.**

## **AP SPANISH LANGUAGE AND CULTURE I**

**11<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students increase proficiency in the four major skill areas (listening, reading comprehension, speaking, and writing) around the six AP Themes of Family and Communities, Beauty and Aesthetics, Science and Technology, Global Challenges, Contemporary Life, and Personal and Public Identities. Students engage in progressively complex communicative tasks through storytelling, conversation, reading, writing, and authentic listening activities. Students will watch and interact with authentic target language movies through the year. Various teaching strategies addressing different learning styles allow students to communicate within more authentic linguistic contexts. Students are exposed to prescribed vocabulary used in the past, present, and future, as well as compound tenses.

**Prerequisite: Honors Spanish III with a grade of B+ or higher, or teacher recommendation.**

## **AP SPANISH LANGUAGE AND CULTURE II**

**11<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students continue to build upon increasing proficiency from AP Spanish Language and Culture I in the four major skill areas (listening, reading comprehension, speaking, and writing) centered around the six AP Themes of Family and Communities, Beauty and Aesthetics, Science and Technology, Global Challenges, Contemporary Life, and Personal and Public Identities. Students engage in progressively complex communicative tasks through storytelling, conversation, reading, writing, and authentic listening activities. Students will read two authentic target language novels and watch and interact with authentic target language movies throughout the year. Various teaching strategies addressing different learning styles allow students to communicate within more authentic linguistic contexts. Students are exposed to prescribed vocabulary used in the past, present, future, as well as compound tenses. Students will read an assigned novel during the summer prior to this class.

**Prerequisite: AP Spanish Language and Culture I with a grade of B+ or higher, or teacher recommendation.**

# PHYSICAL EDUCATION AND HEALTH

Students are expected to dress out daily in a complete change of clothing from that which is worn to school that day. All shirts, shorts, and pants must follow the school dress code. Athletic shoes are required. It is recommended that only one physical education class may be scheduled each semester unless there are extenuating circumstances.

The following procedures will be followed when students enrolled in physical education have medical excuses:

1. Students with medical excuses are to remain in the physical education class with assignments made by the teacher, when applicable.
2. If the medical excuse extends beyond thirty school days accumulated in one semester, the student will be removed from the class and required to take it at a later date. If the student returns prior to the thirty school days, immediate participation is expected.
3. Students receiving permanent medical excuses from physical education will be required to complete a modified physical education program.

## 9<sup>th</sup> GRADE PHYSICAL EDUCATION

**Credit – 1/2**

**Semester**

Physical Education consists of health related issues, conditioning and body building activities, and participation in team and individual games and sports which benefit students as they develop into young adults. Students in grade 9 are required to enroll in a semester of physical education or Intro to Athletic Fitness.

## INTRO TO ATHLETIC FITNESS

**9<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This introductory course to athletic fitness will stress the fundamentals of weight training, aerobic & anaerobic conditioning, flexibility, agility, speed, power, balance, and plyometrics. The students will be exposed to numerous fitness components through various tests of power, strength, cardiovascular fitness, and agility. The students will also learn safety issues and how to use proper techniques on each lift. Health-related issues will be addressed in regard to sports and nutrition. The students will be graded on technique, participation, attitude, effort, and course assessments. This class is based on proper fundamental techniques designed to increase performance and to decrease injury.

**Prerequisite: Permission of instructor.**

## **ATHLETIC FITNESS**

**10<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1/2 or 1**

**Semester or Year**

This course will stress physical development of a person through the use of weight training, aerobic and anaerobic conditioning, flexibility, agility, speed, power, balance, and plyometrics. The students will be exposed to numerous fitness components through various tests of power, strength, cardiovascular fitness, and agility. The students will also learn safety issues and how to use proper techniques on each lift. The students will be graded on improvement, participation, attitude, and effort. This class is based on increasing performance and decreasing injury.

**Prerequisite: Permission of instructor and/or Intro to Athletic Fitness**

## **10<sup>th</sup> GRADE PHYSICAL EDUCATION**

**Credit – 1/2**

**Semester**

Physical Education consists of health related issues, conditioning and body building activities, and participation in team and individual games and sports which benefit students as they develop into young adults. Students in grade 10 are required to enroll in a semester of physical education or Athletic Fitness.

## **HEALTH**

**10<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

In this course, students will be involved in classroom experiences pertaining to health problems and practices of young adults. Personal health, body systems, nutrition, physical fitness, first aid, safety, mental health, stress reduction, disease prevention and control, family and human sexuality, substance abuse, environmental and community health, and consumer health will be among the topics. Students in grade 10 are required to enroll in a semester of health. The state mandated CPR exam will be given in this course.

## **FITNESS AND WELLNESS**

**11<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1/2 or 1**

**Semester or Year**

This course will offer eighteen weeks of physical fitness training. The students will be exposed to various fitness components involved in physical development. The students will be tested to determine their level of power, strength, agility, and cardiovascular fitness. The activities of the course will be designed to enhance the physical development of the individual student. The students will learn how various types of physical training will enhance the cardiovascular and musculoskeletal development of the human body.

**Prerequisite: 1 Unit of PE.**

## **ADAPTED PHYSICAL EDUCATION**

**9<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1**

**Year**

This course is designed for students who have circumstances for special needs which cannot be met in regular physical education classes. The activities will be designed to meet the needs of the individual student. The course may be repeated and will serve to meet one unit of required physical education for graduation.

**Prerequisite: Recommended by physician, teacher, or counselor.**

## **RACQUET SPORTS**

**11<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1/2 or 1**

**Semester or Year**

This course will offer eighteen weeks of racquet and leisure activities. Tennis will provide students an opportunity to learn or improve basic skills: serve, forehand, and backhand. Rules and etiquette will be reviewed. Singles and doubles will be played. Rules, skills, and strategy for table tennis, pickle-ball, badminton, and others will be taught. Emphasis will be to teach skills and rules so that he or she may enjoy these activities later in life. Cardiovascular fitness will also be addressed. In-class tournament play will be provided.

**Prerequisite: 1 Unit of PE.**

## **TEAM SPORTS**

**11<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1/2 or 1**

**Semester or Year**

The basic fundamental skills, etiquette, rules, and terminology of basketball, volleyball, flag football, softball, and other major team sports will be stressed in this course. Emphasis will be on the game play with three-week time allotment for each activity. Cardiovascular fitness will also be addressed.

**Prerequisite: 1 Unit of PE.**

# **PERSONAL FINANCE**

Students are required during their junior or senior year to take one of the following courses to meet the state graduation requirements.

## **CONSUMER EDUCATION**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to teach the student how to be an efficient consumer, worker, and citizen by making wise decisions about food, clothing, transportation, housing, health services, credit, banking, saving, and investing while exploring career opportunities in those areas.

## **PERSONAL FINANCE**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is an advanced level course designed to teach students to recognize rights and responsibilities in a free enterprise system and to understand the role of sound financial planning in keeping one's business and home solvent. The course includes an in-depth study of the following topics: money management, saving and investment, credit management, acquiring housing and transportation, insurance, consumer rights and responsibilities.

## **PERSONAL FINANCE EOC**

**10<sup>th</sup> – 11<sup>th</sup> Grade**

Any sophomore or junior wishing to take the Personal Finance EOC to test out of the Personal Finance class must schedule a meeting with the counselor to discuss. The student must score a 90% on the EOC and the test will only be given in the Spring and after school hours.

# PRACTICAL ARTS

## ***BUSINESS / MARKETING:***

### **ACCOUNTING I**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Accounting 1 is designed to give basic knowledge and skills used in double-entry accounting systems. Activities include entering transactions in journals, posting to ledgers, preparing statements and reports, and doing payroll and banking functions. This course meets objectives for the future study in accounting as well as other related business fields.

### **ACCOUNTING II**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Accounting II is designed to help the student acquire a more thorough, in depth knowledge of accounting procedures and techniques utilized in solving business problems and making financial decisions. Students should develop skills in analyzing and interpreting information common to partnerships and corporate forms of organization, preparing formal statements and supporting schedules, and using voucher systems. This course is very helpful for future business study at the post high school level.

**Prerequisite: Accounting I with a C+ or higher or teacher recommendation.**

### **BANKING AND FINANCE**

**10<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is an introduction to the broad area of banking and finance. Topics include the evolution of banking, Federal Reserve System, documents and forms used, basic laws and regulations. Also included will be topics in finance from the areas of corporate and investment theory, the value of financial assets, risk management and finance ethics.

### **BUSINESS LAW**

**10<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Business law is a study of business law that applies to minors and adults. The legal issues, which are studied, focus on the interests of consumers and business. The learning material will help students achieve an understanding of legal principles, which will be useful throughout life. Course topics include: ethics and law, criminal and tort law, the court system, trial procedures, contract law, the law of sales and sales warranties, consumer protection, buying and insuring a car, and personal property and bailment. Course work includes discussion, case study and analysis, and participation in a mock trial.

## **BUSINESS MANAGEMENT**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to provide the student with an overview of business management. Students will gain an understanding of the various management styles, how business goals are set, and how these goals are shaped by the business's structure. This is an ideal course for those students who have a career interest in marketing or management

## **CAREER IMAGES**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to help students master the skills in successfully exploring, selecting, securing, maintaining, and succeeding in the world of work. The core of the course allows students to explore careers and investigate occupations in career clusters.

## **COMPUTER APPLICATIONS**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

In this course, students will learn computer skills that will be of great help to them in their core classes. Students will be exposed to Office 2016 and will work in Word, Excel, PowerPoint as well as creating documents, spread sheets and presentations using Google Drive. In Word, they will learn to format letters, memos, and reports in MLA format as required by the Language Arts classes. In Excel they will create spreadsheets, develop charts and practice reading charts. PowerPoint will allow them to develop their skills in developing presentations like they would use in core classes. Students will also practice file management, proofreading, editing, and efficient Internet use. This course is highly recommended by the Language Arts Department prior to enrolling in English III.

**Prerequisite: Keyboarding in grade 8 or higher.**

## **ADVANCED COMPUTER APPLICATIONS 1 (Dual Credit with SEMO University)**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Want to get homework and classwork finished faster? Improving your skills in Word and Excel will make you more efficient in high school, college and the work place, Excel is currently in high demand in the workplace, and it is used in many college majors from business to engineering. We will format reports using the reference tab so you will be more prepared to format those research papers at the high school and college level. To earn dual credit with SEMO, the student will have to complete **both** Advanced Computer Applications 1 and Advanced Computer Applications 2. (They do not need to complete both courses in consecutive order). This class is highly recommended by the English department for juniors in preparation of their research paper.

**Prerequisite: Computer Applications with a C- or higher, teacher recommendation or test out of Computer Applications.**

## **ADVANCED COMPUTER APPLICATIONS 2 (Dual Credit with SEMO University)**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Create presentations, design electronic books, business cards and more. Students will complete PowerPoint, Publisher, and Access projects. The basic Access program will prepare students to use databases in college and at work. To earn dual credit with SEMO, the student will have to complete **both** Advanced Computer Applications 1 and Advanced Computer Applications 2. (They do not need to complete both courses in consecutive order).

**Prerequisite: Computer Applications with a C- or higher or teacher recommendation**

## **E-BUSINESS**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This class is designed for a student with some computer and webpage design experience. Students will study topics such as advantages and disadvantages of on-line business, internet security, developing an e-business plan, a business website and buying and selling on the Internet.

**Prerequisite: Computer Applications with a grade of C- or higher or teacher recommendation.**

## **ENTREPRENEURSHIP**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Entrepreneurship is a year-long class that teaches students the skills and knowledge of business ownership as well as the important human values that will guide them to success in the workplace and in life. This will be a hands-on learning experience that covers such skills as business knowledge, self-awareness, economic concepts, critical thinking, self-confidence, budgeting and financial understanding, and taking on the challenges of working hard and being a self-starter.

## **INTRODUCTION TO BUSINESS 1**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Introduction to Business 1 is a general course that provides essential background information about many aspects of business. A major purpose of the course is to contribute to improved consumer education --the development of individuals who are knowledgeable and appreciative of the American business and financial affairs, and are skillful in selecting and using goods and services of business. Topics include types of business ownership, labor and government, career planning, rights and responsibilities of consumers, and computer technology.

## **INTRODUCTION TO BUSINESS 2**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Introduction to Business 2 is a general course that provides essential background information about various aspects of business. Course topics are designed to help students become knowledgeable and appreciative of the American business system, become competent and efficient in managing their own business affairs, and become wise consumers. Topics include banking and financial services, the use of credit, savings and investments, insurance, and financial management.

## **INTRODUCTION TO PHOTOSHOP**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is an introductory level class in digital image editing using Adobe Photoshop, the premier software-based application for photo manipulation. Students will use computer software-based tools to learn editing concepts such as layers, selection techniques, brushes, filters and text editing to enhance existing photos and create original works of art.

**Prerequisite: Computer Applications with a grade of C- or higher.**

## **KEYBOARDING**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Keyboarding is an introductory course and is designed to teach the basic skills of touch keyboarding and the formatting of documents. During the first part of the course, the keyboard is taught. The latter part of the course is devoted to the formatting and keying of memos, personal/business and business letters in block format and simple tables.

## **MARKETING TECHNIQUES**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course introduces the concept of marketing and focuses on the creation of Customer Value. The course emphasizes market analysis, target customer identification, and the development of marketing-mix strategies structured to deliver superior customer value proposition and organizational performance. This class will help you understand the role of Marketing in society in a firm and for marketing for yourself. The primary course objective is to give you the skills and knowledge you need to understand the function in a Marketing capacity. This course will include the creation of class presentations, class videos/commercials and role playing.

## **RECORD KEEPING**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Record keeping is an elective course designed to help students acquire basic life skills including: computer awareness, accuracy and neatness, checking, decision making, proper work habits, organization, budgeting, credit, payroll computations, and business terminology. Students will also obtain employment skills in the areas of filing, cash receipts and cash payments, journalizing and posting, purchasing, selling, payroll, and computing. Upon completion of this course, students will be prepared for additional study in accounting.

## **TRAVEL AND TOURISM**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course focuses on careers within the tourism and hospitality fields: travel, tourism, food service, lodging, and recreation and travel related services. Have you eaten at restaurants and visited events like a sporting event, fair or parade? We will study how these affect the local economy. Each field of study will be explored with classroom discussion and hands-on activities. This would be an excellent course to take for students interested in working in one of these career fields.

## **WEB PAGE DESIGN**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

Have you ever thought about learning to code and creating a website? Many jobs in today's world require you to update or maintain a page on their websites as part of their jobs. In this class, you will code websites using HTML as well as design and publish websites using a variety of software and free online hosting websites.

**Prerequisite: Computer Applications with a grade of C- or higher.**

**Please see One Hour Course Offerings at CTC for more business classes on page 71.**

## ***FAMILY AND CONSUMER SCIENCES:***

### **FAMILY MEALS**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to introduce students to a variety of foods and nutritional guidelines. It emphasizes proper safety and sanitation guidelines. The students will develop proper skills for preparing a variety of foods in the lab as well as the knowledge they need to make informed decisions about each food. Careers in the food industry will be introduced.

### **ADVANCED FOODS**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to teach the student advanced techniques of food preparation. Proper safety and sanitation practices as well as basic knowledge of preparation techniques are required. This class features units to increase student awareness of current careers, health and technology as related to the food industry.

**Prerequisite: Family Meals with a grade of B- or higher or teacher recommendation.**

### **CHILD DEVELOPMENT I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course focuses on the development of children from conception through age six. Development includes not only physical maturation but also an understanding of how emotional, social, and intellectual development are fostered and hindered. The interrelationship of all areas of development is stressed throughout the course. This development approach is interwoven with application to parenting and childcare situations as well as careers in childcare.

### **CHILD DEVELOPMENT II**

**11 – 12<sup>th</sup> Grade**

**Credit – 2 to 3**

**Year**

This course is designed to give students practical experience in the field of early childhood education. This course is of special interest to those planning a career in education. Students are assigned to a district elementary school as a teacher's aide.\* Own transportation is recommended; if this is a concern see your counselor.

**Prerequisites: Child Development I or currently enrolled in Child Development and teacher recommendation. Acceptance into this course is subject to a review of the student's academic, attendance, and disciplinary records.**

*\*Students are highly encouraged to join Rising Educators Club (REC).*

## **APPAREL AND FASHION DESIGN**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

**Students will be required to purchase supplies for the course.** Instructor will provide a list of supplies needed. This course introduces the students to the world of fashion, enabling the students to become wise consumers in the area of clothing. The field of fashion merchandising will be introduced both as a career option and as it relates to purchasing practices. Students will gain experience and a level of expertise in the area of clothing construction.

## **HOUSING AND INTERIOR DESIGN**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course examines the interrelationship of human needs, culture, society and housing. Aesthetics of architectural styles, analysis of housing selection, floor plans, home furnishing and furniture arrangement will be taught. The application of the elements and principles of design will be emphasized. Career opportunities in the housing and interior design fields will be introduced.

## **FAMILY RELATIONS**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course encourages students to develop meaningful relationships while focusing on the family unit. This course emphasizes balancing family and work as each member's role changes over time while adapting to life's challenges, social trends, and how to utilize community resources for the family.

## **INDEPENDENT LIVING**

**12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed for seniors to prepare them to live independently. Students will explore personal growth, character growth and being a responsible citizen. Students will study management skills including decisions and problem solving and managing technology and information. Students will explore consumer skills including time and money management along with consumer rights and responsibilities. Lastly, students will research pathways to career success.

## ***INDUSTRIAL TECHNOLOGY:***

### **INTRODUCTION TO INDUSTRIAL TECHNOLOGY**

**9<sup>th</sup> – 12<sup>th</sup> grade**

**Credit – 1**

**Year**

Students will have the opportunity to explore the four main areas of Technology. This class will offer insight in Woodworking, Metalworking, Small Engines, and Electricity. Throughout the course students will learn about the machines and procedures a person needs in these main areas of technology. Introduction to Industrial Technology will be a prerequisite class before entering into any other advanced classes. Students will be expected to do book work and spend time in the class before going into the lab for hand on projects. Class time will be 75% and shop time will be 25%. The class will be offered for the year, but will change its concept at the semester.

### **ADVANCED WOODS**

**10<sup>th</sup> – 12<sup>th</sup> grade**

**Credit – 1**

**Year**

After completing Introduction to Industrial Technology, students will have the opportunity to further their knowledge in wood working. This course will help students develop drafting skills, wood structures and furniture-building. Students will gain knowledge they will need in the future for carpentry or furniture building. This course is designed to prepare students to take carpentry or cabinet-building courses at CTC. Advanced Woods will consist of 10% class time and 90% lab time similar to other CTC programs.

**Prerequisite: Intro to Industrial Technology with a grade of C or higher or teacher recommendation**

### **ADVANCED WOODS II/III**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

After taking Advanced Woods students will have the opportunity to further their knowledge in wood working. This class will go further in depth about drafting, wood structure and furniture building. Students will gain the knowledge they need in the future for carpentry or furniture building. This class is designed so students can see if they would like to take carpentry or cabinet building at the CTC. This class will be offered yearly, with 10% class time and 90% lab time, similar to the CTC programs.

**Prerequisite: Advanced Woods with a B- and teacher recommendation.**

### **ADVANCED METALS**

**10<sup>th</sup> – 12<sup>th</sup> grade**

**Credit – 1**

**Year**

After completing Introduction to Industrial Technology, students will have the opportunity to further their knowledge in metal working. This course will delve further into drafting, metal structures and fabrication. Students will gain knowledge they will need in the future for welding or fabrication. This course is designed to prepare students to take other welding or metal-fabricating courses at CTC. Advanced Metals will consist of 10% class time and 90% lab time similar to other CTC programs.

**Prerequisite: Intro to Industrial Technology with a grade of C or higher or teacher recommendation**

## **ADVANCED METALS II/III**

**10<sup>th</sup> – 12<sup>th</sup> grade**

**Credit – 1**

**Year**

After taking Advanced Metals students will have the opportunity to further their knowledge in metal working. This class will go further in depth about drafting, metal structures and fabrication building. Students will gain the knowledge they need in the future for welding or fabrication. This class is designed so students can see if they would like to take Welding or other fabricating related classes at the CTC. This class will be offered yearly, with 10% class time and 90% lab time, similar to the CTC programs.

**Prerequisite: Advanced Metals with a B- and teacher recommendation**

## **ADVANCED SMALL ENGINES**

**9<sup>th</sup> – 12<sup>th</sup> grade**

**Credit – 1/2**

**Semester**

After completing 8<sup>th</sup> grade Industrial Technology, students will have the opportunity to further their knowledge of small engines. This course will delve further into the workings of four-stroke and two-stroke small engines. Students will also gain knowledge in small engine repair and maintenance. This course is designed also for students to take other auto mechanics courses at CTC. Small Engines will consist of 25% class time and 75% lab time.

**Prerequisite: 8<sup>th</sup> grade Industrial Technology or Introduction to Industrial Technology or teacher recommendation**

## **INDUSTRIAL EXPLORATION**

**9<sup>th</sup> – 12<sup>th</sup> grade**

**Credit – 1/2**

**Semester**

This course is designed for students who wish to explore a career in industrial technology. This class will offer insight into several technical areas including: carpentry, HVAC, metal working, auto mechanics, auto body repair, and electricity. Throughout the course, students will be exposed to several industry related career paths using a variety of “hands-on” methods.

# ADDITIONAL ELECTIVE COURSES

## ACT PREPARATION

11<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2

Semester

This course is designed to help students improve their ACT performance in the areas of English grammar, mechanics and rhetoric; readings in prose fiction, social sciences, humanities, and science; science reasoning; and mathematics. Students are encouraged to take this course their junior year or their first semester as a senior. Significant time will be dedicated to completion of ACT practice tests, review of math concepts and grammatical and mechanics usage, reading skills, and learning standard test-taking skills including time management.

**Prerequisite: Completed or currently enrolled in Geometry or teacher recommendation.**

## A+ TUTORING/MENTORING CLASS

11<sup>th</sup> – 12<sup>th</sup> Grade

Credit – 1/2 or 1

Semester or Year

Students enrolled in the A+ Program class are able to earn A+ tutoring hours by working as a tutor in a class under the supervision of a Cape Girardeau School District teacher. Students will receive training at the beginning of each semester. The students will be instructed on tutoring etiquette, confidentiality, classroom conduct, and tutoring strategies. Students will submit timely reports based on their tutoring experience, including one reflective paper. Tutoring/mentoring hours earned for the A+ Program will be based on the actual number of hours the students tutor. This record will be kept in a log, signed by the supervising teacher, and turned in to the A+ Coordinator.

**Prerequisite: Enrollment in the A+ Program, Completed A+ Tutoring Application and availability of a suitable placement**

## COLLEGE READINESS

Spring Semester of 11<sup>th</sup> Grade or Fall Semester of 12<sup>th</sup> Grade

Credit – 1/2

Semester

This course is designed to prepare college-bound students for college admission. Students will be introduced to the college application, admission and selection process. Students will have the opportunity to research a wide variety of majors and careers and to explore which colleges offer the best programs in the fields of their choice. Students will identify colleges that are compatible with their interests and resources and complete the application process. In addition, students will search and apply for scholarships and learn how to navigate the financial aid application process. Other topics covered include use of time, money management, studying for college classes, working while in college and the basics of residential life and completing the FAFSA.

## **FLEX PROGRAM**

**12<sup>th</sup> Grade**

**Credit – 1 1/2 per semester**

**Semester or year**

The School Flex Program allows CHS students the opportunity for an alternative delivery system for their education during their senior year of high school. These students may identify themselves; or their high school counselor, principal, or parents/guardians will recommend Flex due to the potential of them benefiting from a non-traditional system for earning their credits in time for graduation with their cohort class. Participants approved to be in this program *MUST* attend CHS for at least two instructional periods per day, be on track earning their credits in classes needed for graduation, maintain a 95% attendance rate, and avoid suspension or expulsion. In addition, there must be evidence that participants are enrolled and attending college/career technical program classes, or proof of their employment and hours. All components (classes/training or employment) of the student's completion of hours for Flex must align to their Individual Career Academic Plan developed by the student with the school, meaning their job or college/career tech classes must coincide with their post-secondary goals. An application review process will determine admittance into the program. This is a pass/fail course and will not be calculated into GPA.

**Prerequisite: Completion of application and Proof of employment (or college class enrollment).**

## **LIFESAVING TECHNIQUES**

**11<sup>th</sup> – 12<sup>th</sup> Grades**

**Credit – 1/2**

**Semester**

In this course, students will be trained in CPR (Adult, Child, and Infant), First Aid and AED (Automated External Defibrillator) through the American Heart Association. They will be given both written and practical exams. Students will be trained in sports safety training, and sports nutrition. This course will prepare the student to be a first responder in an emergency situation. If you want to pursue a medical career or just further develop your health and leadership skills, this course is for you.

**Prerequisite: 1 Unit of PE and 1/2 Unit of Health.**

## **PREPARING STUDENTS FOR ACADEMIC SUCCESS (PAS 1, 2, 3, 4)**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit –1/2**

**Semester**

This course promotes academic success by supporting students as they advance through high school. Students will be introduced to lessons that will help them to realize their full potential. Topics for lessons may include but are not limited to managing time, developing organizational skills, reading for meaning and understanding, being a good citizen, building connections at Central High School, as well as investigating career opportunities and making post high school plans. Students will have direct contact with special guest speakers and their PAS teachers, who will provide reinforcement of learning through practice and tutoring.

**Prerequisite: Recommendation by the principal or the counselor.**

## **STAGECRAFT**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to provide students with an understanding and practical application of the basics of theater technology and the backstage environment. The class will be broken into units focusing on sets, props, lighting, sound, and costumes. Students will design and build sets, costumes and props as well as design and install lighting and sound for the current theatrical productions. Students are expected to produce a Production Book, showing their learning from the entire semester. Students may repeat this course over multiple years for credit, if completed the first time with a grade of C or higher.

## **YEARBOOK I**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students in this class are responsible for the planning, organization, and the production of the school yearbook. Students sell ads, prepare ad sections, write copy, design layouts, take photographs, and prepare layouts for the yearbook. Students will learn general journalistic principles (AP style) as well as columnar layout and special techniques to help in producing a 200-page publication. **After-school work is required.**

**Prerequisite: Grade of C or higher in core English course and approved application**

## **YEARBOOK II**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

The second-level yearbook course is designed to help students refine their skills in planning a yearbook ladder, designing and completing various spreads and assignments, copy editing, and placing photos, as well as developing leadership skills, accuracy and accountability. Students may be required to fill an editor's position or take a leadership role on the publication staff. This class will meet at the same time as the Yearbook I class. Attendance at a teacher-specified, professional journalism workshop is required. **After-school work is required.**

**Prerequisite: Yearbook I, a grade of C or better in core English course and approved application**

## **YEARBOOK III**

**12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students who have completed Yearbook I and II and who desire to refine skills in planning, layout, and technology may elect this course. In addition to development of higher level writing skills and business management procedures, students enhance their knowledge of the laws and ethics of journalism. Students develop and deliver training modules for all staff positions. Students electing this course may apply to fill an editor's position or take a leadership role on the yearbook staff. This class will meet at the same time as the Yearbook I and II class. Attendance at a teacher-specified, professional journalism workshop is required. **After-school work is required.**

**Prerequisite: Yearbook II, a grade of C or better in core English course and approved application**

## **AIR FORCE JUNIOR RESERVE OFFICER TRAINING CORPS (AFJROTC)**

AFJROTC is a comprehensive program that provides opportunity for academic achievement, exposure to emerging technology, and development of life-skills such as leadership, management, communication, responsibility, teamwork, and professionalism.

The AFJROTC program is based on a military structure, however, there is NO military service commitment associated with the program. Cadets learn and apply leadership skills useful in ANY career field and beneficial for college and scholarship applications, or job resumes. Cadets who do choose to enter military service may earn advanced promotions or ROTC military scholarships.

AFJROTC can be taken as a single-year or for multiple years throughout high school. More advanced cadets will be required to wear a uniform and adhere to specific grooming and uniform standards.

AFJROTC

### **AFJROTC**

**9th – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

AFJROTC is a blended course comprised of Aerospace Science, Leadership Education, and a Health/Wellness Program. The curriculum includes studies in aviation and space, cultural and regional issues, principles of leadership and management, effective communication, and health/wellness. Blended classes place cadets of all experience levels together to develop teamwork and exercise leadership.

*Enrollment in AFJROTC requires recommendation of counselor and approval from the AFJROTC Senior Aerospace Science Instructor.*

# One Hour Courses Offered at CTC

## **INTRODUCTION TO LANDSCAPE/HORTICULTURE**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Fall Semester**

This course is an introduction to landscape installation/maintenance and will provide students with an overview of horticulture notions and ideas. Various concepts will be taught, including: installation/maintenance, perennials, annuals, landscape structures, hardscapes, containers, residential and commercial spaces, and interiorscaping.

## **GREENHOUSE MANAGEMENT I**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is a practical, hands-on study of greenhouse management. During the class, students will study the physical aspects of greenhouse components and their maintenance and plant management associated with retail and commercial applications. Students will gain an understanding of the skills required to maintain greenhouse and nursery facilities.

## **GREENHOUSE MANAGEMENT II**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course will continue the hands-on study of greenhouse management in more detail with regard to plant needs and seasonal preparation of retail crops. Students will gain exposure to hydroponic and aquaponic growing methods. Students will gain more experience with various plant-propagation methods and calendar/seasonal-specific crops and implement skills and practices used in production and merchandising. Business-conscious decision making is stressed, with emphasis on efficiency, cost/benefit ratio, and value proposal.

**Prerequisite: Greenhouse Management I**

## **PLANT SCIENCE GENERAL**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This course is designed to cover the uses and importance of plants, classification and identification of plants, plant growth factors, weeds, diseases, insects, germination, photosynthesis, respiration, sexual and asexual reproduction, cloning, and plant genetics. Students will be given the opportunity to have hands on experiences to enhance the understanding of how plants reproduce and grow. This is the ideal course for students considering the Landscape Horticulture Career Education program.

**Prerequisite: Greenhouse Management I or Introduction to Landscape**

## **SCREEN PRINTING**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course is designed to provide students an understanding of Adobe Illustrator and the screen printing process. Adobe Illustrator is computer software that enables users to design and edit vector images. In this class, students will design and prepare camera ready artwork for reproduction using the screen printing process on a wide variety of materials.

**Prerequisites: Computer Applications with a grade of C- or higher**

## **BEGINNING HEALTH CARE CAREER EXPLORATION**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1/2**

**Semester**

This course will look at basic health principles, the history and evolution of medicine, medical terminology, and an-introduction to basic human anatomy and physiology. Students will also explore many health professions and be introduced to guest speakers in many different health fields that may include nursing, veterinary science, respiratory therapy, dental sports medicine, physical therapy, radiology, ophthalmology, medical secretarial/transcription, and more. Programs for exploration of the six skill-training areas vary and will be decided upon availability.

## **CAREER EDUCATION EXPLORATION**

**9<sup>th</sup> – 10<sup>th</sup> Grade**

**Credit –1/2**

**Semester**

Students in this program will explore six skill-training areas so that their choice of future training will be based upon experience and evaluation. Students are given the opportunity to experience career education areas they may be considering for training during their junior and senior years. During the semester, students will rotate through six areas, spending three weeks in each. Programs for exploration of the six skill-training areas may include a rotation of the following: HVAC, Auto Tech, Electrical Trades, Digital Media, Welding, Computer Networking and Security, and Childcare.

## **PRE-ENGINEERING BY PROJECT LEAD THE WAY:**

U.S. industry is looking to America's schools to help solve the country's high-tech staffing crisis. **Project Lead the Way** is a pre-engineering curricula, software, and teacher training program that can help schools forge new generations of engineers.

*Requirements for Pre-Engineering courses* – students must be taking a college preparatory sequence of math courses (at least Algebra 1 or Algebra B in Grade 9, Geometry in Grade 10, and Algebra II in Grade 11) and be interested in the field of engineering.

The course sequence for PLTW is:

1. Intro to Engineering Design
2. Honors Principles of Engineering
3. Civil Engineering and Architecture
4. Computer Integrated Manufacturing
5. Engineering Design and Development

**\*\*Students who are considering enrollment in more than one pre-engineering class should consider taking the three hour block at CTC (see page 86)**

### **INTRO TO ENGINEERING DESIGN**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

In this course students use a problem-solving model to improve existing products and invent new ones. They learn how to apply this model to solve problems in and out of the classroom. Using sophisticated three-dimensional modeling software, students communicate the details of the products. Emphasis is placed on analyzing potential solutions and communicating ideas to others.

**Prerequisite: Students must be enrolled in a college preparatory sequence of math courses.**

### **HONORS PRINCIPLES OF ENGINEERING**

**9<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

This introductory course explores the wide variety of careers in engineering and technology and covers various technology systems and manufacturing processes. Using activities, projects, and problems, students learn firsthand how engineers and technicians use math, science, and technology in an engineering problem-solving process to benefit people. The course also addresses concerns about social and political consequences and technological change. This course will count as a science credit

**Prerequisite: Students must be enrolled in a college preparatory sequence of math courses.**

## **CIVIL ENGINEERING AND ARCHITECTURE**

**10<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students will study the design and construction of residential and commercial building projects. It is an introduction to the varied factors involved in building and site design and construction, including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. Students will be exposed to the design and construction practices of residential and commercial building projects, design teams and teamwork, communication methods, building codes and ordinances, engineering design calculations, and technical documentation. Students will use industry standard 3D architectural modeling software to facilitate site and building design and technical documentation. As the course progresses and the complexity of the design problems increase, students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving and design.

**Prerequisite: Honors Principles of Engineering and Introduction to Engineering Design with a grade of C- or better and the student must be enrolled in a college preparatory sequence of math courses.**

## **COMPUTER INTEGRATED MANUFACTURING**

**10<sup>th</sup> - 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Students learn concepts of robotics and automated manufacturing by creating three-dimensional designs using computer modeling software. After designs are electronically created, students actually produce models of their designs through the use of CNC equipment and robotics.

**Prerequisite: Honors Principles of Engineering and Introduction to Engineering with a grade of C- or better and the students must be enrolled in a college preparatory sequence of math courses.**

## **ENGINEERING DESIGN AND DEVELOPMENT**

**11<sup>th</sup> – 12<sup>th</sup> Grade**

**Credit – 1**

**Year**

Teams of students, guided by community mentors, work together to research, design, and construct solutions to engineering problems.

**Prerequisite: Introduction to Engineering, Honors Principles of Engineering and Computer Integrated Manufacturing or Civil Engineering and Architecture with a grade of C- or better or with teacher approval and the student must be enrolled in a college preparatory sequence of math courses.**

***Students enrolled in any of the Pre-Engineering courses may be eligible to receive college credit at numerous universities across the nation.***

# CAPE GIRARDEAU CAREER & TECHNOLOGY CENTER

All Courses are Practical Art Credit

Career Path: Arts and Communications; Business, Management and Technology; Health Services; Human Services; Industrial and Engineering Technology; Natural Resources

*In order to be eligible to enroll in a three hour course at the Career and Technology Center (CTC), students must complete an application process, including signatures from their parent/guardian and school counselor. To be considered for acceptance to the career center, students must have both a good attendance and discipline history with Cape Central High School. Due to the number of students who request enrollment at CTC, students with more than ten absences/tardies or two discipline referrals may be unable to attend. Students must also provide proof of insurance or purchase it for a small fee. All seniors that attend a three hour block at the CTC will automatically be enrolled in Embedded Language Arts; upon completion of a career portfolio, passing their career program, and maintaining a 70% or higher in ELA, students will earn one full Language Arts credit which will be transcribed at their home school.*

*The following high school programs are offered at the Cape Girardeau Career and Technology Center:*

**Course Title: Auto Collision Technology I.....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community College credit available**  
**Grades Eligible: 11, 12**  
**Prerequisites: None**  
**Description:** This course provides training in auto collision repair; straightening sheet metal with hand and power tools, dent filling with plastics, sanding and masking techniques, and windshield repair/replacement. Basic instruction in mig welding is given for panel repair. Spray painting is primarily with base coat/clear coat paint system. Students will complete projects on late model vehicles. Written competencies will require 3 days in classroom per week for the first semester.

**Course Title: Auto Collision Technology II .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community College credit available**  
**Grades Eligible: 12**  
**Prerequisites: Auto Collision Tech I and Instructor Approval**  
**Description:** This course reinforces competencies learned in Auto Collision Technology I. In addition to the Auto Collision Technology previously acquire, this course provides advanced training in all phases of the occupation including air conditioning, estimation, spraying urethane finished of all types, color blending, and paint matching. Students will complete projects on a variety of vehicles.

**Course Title: Automotive Technology I.....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community College credit available**  
**Grades Eligible: 11, 12**  
**Prerequisites: None**  
**Description:** This is an introduction to shop safety, automotive maintenance, power plants, electrical braking, steering, suspension system, maintenance and light repair, and Skills USA. Theory, diagnosis and computerized systems will be emphasized in all levels of training. In-depth book work along with theory and shop work is expected. Students must have good communication and math skills. Much emphasis will be placed on **Automotive Service Excellence (ASE)** guidelines. Students must have a valid driver’s license and a good driving record.

**Course Title: Automotive Technology II.....CREDIT: 3.0**

**2 semesters – 3 periods**

**Community college credit available**

**Grades Eligible: 12**

**Prerequisites: Automotive Technology I and instructor approval**

**Description:** This class is an introduction to brakes, advanced electrical, emission and fuel control, heating and air condition, auto tire and wheel alignment, electrical test equipment, maintenance and light repair, and prep for employment. In-depth theory and shop work is expected. Much emphasis will be placed on **Automotive Service Excellence (ASE)** guidelines. Students must have good communication and math skills, a valid driver's license, and a good driving record.

**Course Title: Basic Flight.....CREDIT: 3.0**

**2 Semesters- 3 periods (AM only)**

**Grades Eligible: 11, 12 (one year only- seniors will be given preference)**

**Prerequisites: Algebra I**

**Description:** This course is designed to provide the initial phases of ground and flight training prescribed by Federal Aviation Regulations (FARs) part 61 for the private pilot certification level. Along with classroom training students may log a possible 5 hours of aircraft practical flight instruction and possible 10 hours of flight observation. Upon successful completion of the course, students are eligible to take the FAA Private Pilot written exam and pursue student pilot certification status.

**Course Title: Early Childhood Education.....CREDIT: 3.0**

**2 Semesters – 3 periods (AM only)**

**Community College credit available**

**Grade Eligible: 12**

**Prerequisites: Child Development or Instructor approval**

**Description:** This class is a three hour block in which students begin to learn how to become an Early Childhood Teacher. In this course students learn about child development theories and health and safety techniques as well as how to develop age-appropriate learning activities for children ages 3-5. The students will also learn positive discipline techniques needed to successfully manage a classroom. Students receive experience writing lesson plans, implementing those plans, conducting circle time, and managing the classroom. Students will learn how to observe and record student behavior. They will also build a positive and productive relationship with families and maintain a commitment to professionalism. Students will begin a professional portfolio necessary for national certification. They will earn 120 clock hours of classroom training, including 10 hours each of the 8 CDS subcategories, and 480 clock hours of interaction with children that is required for the Child Development Associate (CDA) examination. This is a national certification recognized in 48 states and opens employment doors in State-licensed daycares and preschools as well as Head Start programs. Dual credit is also available for this class through Southeast Missouri State University. Those credits would go toward an Early Childhood Degree or could be used as elective credits.

**Course Title: Computer Coding and Programming I .....CREDIT: 3.0**

**2 semesters – 3 periods – (AM Only)**

**Community College credit available**

**Grades Eligible: 11, 12**

**Prerequisites: Computer Basics (Computer Apps or Keyboarding) and Algebra I or equivalent**

**Description:** This course introduces students to coding fundamentals through an approachable, block-based programming language where they will have early success in creating usable apps. As students sharpen their computational thinking skills, they will transition to programming environments that reinforce coding fundamentals by displaying block programming and text based programming style side-by-side. Students will learn the power of text-based programming as they are introduced to the Python programming language. Finally, students will learn the text-based languages HTML, CSS, and JavaScript to create and build various websites.

**Course Title: Computer Coding and Programming II .....CREDIT: 3.0**  
**2 semesters – 3 periods – (PM Only) Community College credit available**

**Grades Eligible: 12**

**Prerequisites: Computer Coding and Programming I with a minimum of a C- and Instructor approval**

**Description:** This course is a continuation of Computer Coding and Programming I. Students will specialize in languages such as HTML, CSS and JavaScript. Students will also be exposed to languages such as PHP. Year two focuses on text-based languages, as well as career readiness in the Computer Science curriculum. Students are responsible for transportation to internship locations.

**Course Title: Computer Networking & Security I .....CREDIT: 3.0**  
**2 semesters – 3 periods – (AM Only) Community College credit available**

**Grades Eligible: 11, 12**

**Prerequisites: Keyboarding, Computer Applications, Algebra I and English with a grade of C and above are required. Strong reading skills and good attendance will be necessary.**

**Description:** Year 1 Computer Networking and Security students will earn the fundamentals of computer hardware, software, and networking. Students will learn how to install, configure, upgrade, repair and build a computer. Students also develop the technical skills needed to securely establish, maintain, and troubleshoot the essential networks that businesses rely on. By the end of the year, students have the opportunity to obtain 3 different Cop TIA certifications: IT Fundamentals, CompTIA A+, and Network+. Students will gain the fundamental skills needed to obtain entry level IT jobs.

**Course Title: Computer Networking & Security II .....CREDIT: 3.0**  
**2 semesters – 3 periods (PM Only) Community College credit available**

**Grades Eligible: 12**

**Prerequisites: Computer Networking & Security I with a minimum of C- and instructor approval**

**Description:** Year 2 Computer Networking and Security emphasizes computer security essentials. Students will learn the practical and hands-on abilities to both identify and address security threats, attacks, and vulnerabilities. Students will learn how to effectively respond to and recover from threat incidents. Over the course of the year, students will take the courses Security Pro, CyberDefense Pro, and Ethical Hacker Pro. By the end of the year, students have the opportunity to obtain 3 different security certifications to begin their journey towards an entry level security IT job.

With both Computer Networking and Security courses combined, students will have the foundation knowledge and experience they need to enter into the IT field with success.

**Course Title: Construction Technology I .....CREDIT: 3.0**  
**2 semesters – 3 periods Community college credit available**

**Grades Eligible: 11, 12**

**Prerequisites: None**

**Description:** Students will receive instruction and hands-on experience in hand and power tool safety, site prep and layout, footing and foundation forming, floor and wall framing, sheathing, window and exterior door installation and exterior wall finishes. The students will participate in various projects around the school district. Besides the hands on training, there will be extensive classroom work including math and communication arts. The students will also spend time being tested for basic job skills.

**Course Title: Construction Technology II .....CREDIT: 3.0**  
**2 semesters – 3 periods Community college credit available**

**Grades Eligible: 12**

**Prerequisites: Construction Technology I and instructor approval**

**Description:** Students will cover areas of residential interior finish carpentry. This will include energy conservation, insulation, drywall, interior wall and ceiling finishes, interior doors and trim, flooring, cabinet installation, fixture installation, residential wiring and plumbing. The students will participate in various projects

around the school district. Besides the hands on training, there will be extensive classroom work including math and communication arts. Students will also spend time being tested for basic job skills. Students will have the opportunity to earn the OSHA 10 card.

**Course Title: Criminal Justice .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**

**Grades Eligible: 11, 12 (one year only-seniors will be given preference)**

**Prerequisites: Students must be in good standing in regards to their school discipline: in other words, a student must be someone who had demonstrated exemplary character and conduct through their high school career. Moreover, a student must not have any discipline situations involving physical altercations, any illegal substances or any incidents that have resulted in criminal charges. All students will be interviewed by the instructor before class begins. All applicants will be required to submit a letter of recommendation (teacher/employer).**

**Description:** This course is a one-year course and will provide students with knowledge in the field of law enforcement/forensics and prepare them for continuing education and ultimately, employment in a related field. This course is designed to acquaint the student with historical perspectives of law enforcement and a variety of criminal justice career fields, including but not limited to: Crime Scene Investigation, Law Enforcement, Police Science, Patrol Theories and Report Writing, Legal Studies, and Leadership Competencies. Course content may include the discussion and viewing of some of man’s worst and gruesome crime scenes. Students will be exposed to real world scenarios, which include language and actions consistent with law enforcement encounters.

*\*Students must maintain exceptional attendance during enrollment in the program. Any student who has more than 5 absences, may be removed from the course.*

*\*\*Students will be required to purchase a class uniform, including pants, polo shirt, belt, and boots. The cost of the uniform is approximately \$140.*

**Course Title: Culinary Arts I.....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**

**Grades Eligible: 11, 12**

**Prerequisites: Basic Food Class**

**Description:** This program of study is the basic principles of the foodservice industry. Food safety, sanitation, personal safety, food handling skills, knife skills, nutrition, customer service and cooking techniques highlight this program. Students will learn what the nation’s largest employer expects them to know and the wide range of opportunities available in the foodservice industry. Hands-on experience is an integral part of the program featuring working lab sessions on a large variety of kitchen equipment. Students will learn tasks involved in front of house operations, back of house operations and receive their food handler’s card from the local regulatory agency.

**Course Title: Culinary Arts II .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**

**Grades Eligible: 12**

**Prerequisites: Culinary Arts I and instructor approval**

**Description:** The second year program provides the student with additional training in the specific roles of the food service industry. The course is designed for students to develop additional knowledge to prepare for careers in the food service industry. History and depth of knowledge of the industry allows the student to understand the concept of proven and varied cooking techniques used worldwide. Students will learn about food costing, menu planning and profitability. Students meeting the qualification and with the recommendation of the instructor will have the opportunity to compete in culinary competitions at the state and national level. Students will take lead roles in the operation of our campus restaurant and further their experience in the real world food service operations. Second year students will have the opportunity to become ServSafe Certified and earn certification from the National Restaurant Association ProStart Program.

**Course Title: Digital Media Production I.....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**  
**Grades Eligible: 11, 12**  
**Prerequisites: Computer Applications 1 with a grade of “C+” or above**  
**Description:** This exciting program will introduce and prepare students for the field of broadcasting, digital video, and digital film production. Emphasis will be placed on hand-on access to the high-tech gear and state-of-the-art software, digital video cameras, professional lighting, audio equipment, and more. Students will also learn computer-based editing with Adobe Premier and special techniques with After Effects while working on projects such as: TV commercials, PSAs, news, music videos, sports, and short films. Digital Media Production gives you the skills, tools, and techniques to prepare for an exciting future in media, movies, and communications.

**Course Title: Digital Media Production II .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**  
**Grades Eligible: 12**  
**Prerequisites: Digital Media Production I and instructor approval**  
**Description:** This challenging program will build upon the basics of digital media, moving into advanced software and techniques. New genres of production will be explored including news production, film shorts, and industrial video production. Successful completion of this program could qualify students for entry-level employment at television stations, video production companies, advertising agencies, and even film production.

**Course Title: Electrical Trades I ..... CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**  
**Grades Eligible: 11, 12**  
**Prerequisites: Algebra A**  
**Description:** This course will provide training in electrical trades. Students will learn how to interpret and apply designs and drawings to the electrical field. Instruction will include constructing, calculating, and installing residential and circuits and applicable codes. This course will prepare students for entry level employment as an electrician and in other related areas. In the first year, residential and commercial wiring are taught. Residential and Commercial includes house wiring, NEC code calculations and blueprint reading, conduit bending, and transformers.

**Course Title: Electrical Trades II..... CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**  
**Grades Eligible: 12**  
**Prerequisites: Electrical Trades I and instructor approval**  
**Description:** Students entering the second year will focus on industrial motor controls and PLC (Programmable Logic Controller). Students will learn how to install, troubleshoot, and maintain motor controls and variable frequency drives. Upon completion of the second year, the student will be able to read and write Programmable Logix. The type of PLC the students will learn is Compact Logix Studio 5000.

**Course Title: Emergency Medical Technician-Basic (EMT-B).....CREDIT: 3.0**

**2 semesters – 3 periods**

**Grades Eligible: 12 (one year only)**

**Prerequisites Acceptance Policy:**

**Exceptional Attendance (including tardies) No more than 5-pending review**

**No more than 2 discipline referrals-pending review**

**Cumulative GPA minimum 2.5/4.0 scale**

**Health with a C or Better**

**If criteria is met, there will be a follow up interview.**

**Description:** Emergency Medical Technician (EMT-B) is a study of basic emergency care. Students will learn the history of Emergency Medical Service (EMS), as well as proper care of the sick and injured patient. The program follows the Department of Transportation’s National Standard Curriculum for the EMT-B. Upon completion, students will be eligible to take the National Registry Certification Exam. The Curriculum includes how to properly assess and treat patients, how to perform CPR, management of medical conditions and traumatic injuries, management of obstetrical emergencies, caring for infant and pediatric emergencies and ambulance operations. Also included in the program will be a variety of specialized areas of training, including: Emergency Vehicle Operation driving course and hazardous material training. The program does include classroom and lab studies as well as clinical rotations completed out of class (weekends, holiday break, etc.) in the hospital emergency departments, as well as at area ambulance services, and local fire departments. Rigorous standards are expected to be maintained in the EMT program. The EMT program learns by using a flipped classroom method and anything below 75% is considered failing. The EMT attendance policy state that no more than 3 days a semester may be missed (exception is home school activities). This class is extremely beneficial for anyone wanting to pursue the medical field.

*\*Students will be required to purchase the following throughout the school year: uniform pants, uniform boots, uniform belt, stethoscope, flu shot, TB test, watch with second hand, certification exam fees. Optional purchases: uniform hat, pullover.*

*\*This course will cost the student approximately \$300.*

**Course Title: Fire Science .....CREDIT: 3.0**

**2 semesters – 3 periods**

**Grades Eligible: 11, 12**

**Prerequisites: Minimum 2.5 GPA, exceptional attendance, minimum discipline referrals, & and interview with the instructor prior to enrollment.**

**Description:** This course will prepare students to begin a career as a firefighter. Topics covered will include fire protection characteristics, fire behavior, chemistry of fire, extinguishing agents, water supply, in-depth fire streams, auto extrication, and fire theory. Upon successful completion of this course, the student will have received training for certification as a Firefighter I & II, Hazardous Materials Awareness & Operations, and National Incident Management Systems (NIMS 100, 200, & 700). This course is both physically and mentally demanding. Students will participate in active physical training. Successful completion of all required courses allows the student to test as a firefighter through the Missouri Division of Fire Safety. A class uniform will be required. **Fire Science is a two-year program, with the second year being the EMT-B course.**

**Course Title: Graphic Design I.....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**

**Grades Eligible: 11, 12**

**Prerequisites: Keyboarding**

**Description:** Graphic Design I is designed to give students the opportunity to experience the many facets of the Graphic Design/Offset Printing industry through classroom and hands-on techniques. Students will utilize Adobe Photoshop CC, Adobe Illustrator CC, Adobe InDesign CC, and will be given the opportunity to design and print products used by local school districts, including programs, fliers, brochures, stationery, envelopes, and much more. In addition to paper products, students will be given the opportunity to learn the basics of screen printing including but not limited to creating the image, setting up the equipment, and printing the product.

**Course Title: Graphic Design II .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**

**Grades Eligible: 12**

**Prerequisites: Graphic Design I and instructor approval**

**Description:** Students will have the opportunity to experience the many facets of the Graphic Design/Offset Printing industry through classroom and hands-on techniques. Students will continue to expand on their knowledge of Adobe Photoshop CC, Adobe Illustrator CC, and Adobe InDesign CC to design and print products used by local school districts, including programs, fliers, brochures, stationery, envelopes, and more. In addition to paper products, students will be challenged to expand their knowledge of screen printing to create more intricate images, and to master the process for setting up the equipment for multi-color printing jobs. Students will be given experience in some managerial aspects of the printing process while working with first year students on printing and screen printing projects.

**Course Title: Health Occupations .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available\***

**Grades Eligible: 12 (one year only)**

**Prerequisites: None**

**Description:** Students will learn medical terminology, anatomy and physiology, and basic bedside care skills. You will learn to give daily care to a resident (bathe, dress, feed, bathroom/toileting and assist with activities of daily living). The first semester all students learn the basic skills that all health care workers need to know. The second semester students will travel to nursing facilities for hands on training and will continue training to become a Certified Nurse Assistant (CNA). Upon successful completion of all class and state requirements, eligible students may take the Missouri Nurse Assistant Certification Test. In order for students to be eligible to sit for the exam, the State of Missouri mandates that students must complete 75 hours of classroom instruction, complete 100 hours of on-the-job training in a long term care facility, and make at least 80% or better on three unit exams. \*For a reduced fee, Health Occupations students may also receive three hours of dual enrollment credit in Medical Terminology through Mineral Area College.

*Students will be required to purchase the following throughout the school year: watch with second hand, scrub uniform set, leather type tennis shoes, TB test, flu shot, Family Care Safety Registration, CPR/First Aid cards.*

***\*This course will cost the student approximately \$115.***

**Course Title: HVAC/R I.....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**  
**Grades Eligible: 11, 12**  
**Prerequisites: None**

**Description:** Heating, Ventilation, Air Conditioning, and Refrigeration (HVAC/R) field is part of a growing technical-trades industry. This course is designed to provide the student with a fundamental understanding and working knowledge in the fields of heating, ventilation, air conditioning, and refrigeration. Students will study all phases of HVAC/R applications, fundamental circuitry/schematics reading, and troubleshooting electrical, mechanical, and refrigeration systems. Students will be given the opportunity to take the EPA certification testing on site (at an additional fee) as well as testing for field certification in residential, light commercial, and heat pump application.

**Course Title: HVAC/R II .....CREDIT: 3.0**  
**2 semesters – 3 periods** **Community college credit available**  
**Grades Eligible: 12**  
**Prerequisites: HVAC/R I and instructor approval**

**Description:** The second year student will train on light commercial systems applications, in-depth troubleshooting of circuitry, mechanical, and refrigeration systems. While in training, students will be given the opportunity to learn the practical application of recovery equipment and other service tools specific to the trade. Students will also be allowed to choose specific areas of training, such as building energy management, sheet-metal design and fabrications, estimating and layout. Time will also be spent preparing for industry certification.

**Course Title: Landscape/Horticulture I .....CREDIT: 3.0**  
**2 semesters – 3 periods (AM Only)**  
**Grades Eligible: 11, 12**  
**Prerequisites: None**

**Description:** This program is designed to provide knowledge and practical experience in the care, cultivation, and identification of ornamental and landscape plants: flowers, trees, shrubs, ground-covers, vines, and perennials/annuals/biennials. The work will be balanced between the classroom and outdoor activities and laboratories, with emphasis not only on applying and highlighting skills learned in classroom, but also on solution-based problem-solving and innovation/creation. Students will be exposed to and gain ability in plant propagation from seed and various methods of cloning, greenhouse operations, various elements of landscape and floral design, pruning practices, turf grass management, and various other aspects of Sustainable Horticulture and food production.

**Course Title: Landscape/Horticulture II .....CREDIT: 3.0**  
**2 semesters – 3 periods (AM Only)**  
**Grades Eligible: 12**  
**Prerequisites: Landscape Horticulture 1 and instructor approval**

**Description:** Second-year students can focus for specialization in area of interest, such as greenhouse management, hydro/aero/aquaponics, nursery management, landscape installation/maintenance, hardscaping, or others. Students who maintain a “C” or better average coupled with proper attendance qualify for a work/study program in the fourth quarter of their second year. Upon completion of this course, students may choose to be tested for certification as an Advanced Level Missouri Certified Nursery and Landscape Professional (testing fee applies).

**Course Title: Marketing I.....CREDIT: 3.0**  
**2 semesters – 3 periods (AM Only) Community college credit available**

**Grades Eligible: 11, 12**

**Prerequisites: None**

**Description:** This course is designed to help students learn the basic concepts and practices of retailing within our society. Students will gain an in-depth understanding of many elements of marketing, business management, and selling as it relates to retailing and retail businesses. This course will explore topics ranging from selling, cashiering, customer relations, pricing and promotion. The student store will be used as a learning lab, and students will rotate through various positions for experiential learning before testing on course standards. This is an ideal course for those students who have a career interest in marketing, management, or retailing.

**Course Title: Marketing II..... CREDIT: 3.0**  
**2 semesters – 3 periods (PM Only) Community college credit available**

**Grades Eligible: 12**

**Prerequisites: Marketing I or instructor approval**

**Description:** This course is designed to help students learn the basic concepts and practices of marketing within our society. Students will gain in-depth understanding of the many elements of marketing, business management, and selling. This is an ideal course for those students who have a career interest in marketing or management. Students enrolled in this course may participate in the Marketing Internship program for paid, on-the-job training in a marketing occupation. Students may be released up to two periods from the regular school day to complete the on-the-job portion of this class. Those students working a minimum of 180 hours per semester (10 hours a week) will be released one period, and those working 360 hours per semester (20 hours a week) will be released two periods. Participation in the Internship is not automatic. Instructor must approve the training site during the first week of class.

**Course Title: Practical Nursing.....CREDIT: 3.0**  
**2 semesters – 3 periods (AM Only)**

**Grades Eligible – 12**

**Prerequisites: Cumulative overall GPA of B or better; English I, II, III; Algebra I; Biology; successful completion of the ATI-TEAS test; successful completion of extensive application and interview process; remarkable attendance and discipline history**

**Description:** Get a head start with your career while still in high school. Only a few nursing schools across the nation offer an educational opportunity to enter the field of nursing as high school seniors. The practical nursing program at the Cape Girardeau Career & Technology Center provides a secondary/post-secondary track where students complete the first session of classes during a 3-hour block at the CTC during their senior year. They return in July/August after graduating high school and complete the nursing courses along with the remainder of the clinical experiences in the second year. The students will graduate from the practical nursing program the following May.

*Why start nursing education now instead of after high school?*

Admission into nursing programs is competitive. Many require completion of pre-requisite college courses with a certain GPA. Some programs have such high demand students are placed on a 2-3 year wait list. Practical nursing education has both classroom and hands-on clinical experience in a student-friendly, small-group environment. Tuition for the senior year is paid by the sending school. Financial aid, including the A+ scholarship, is available for the post-secondary year. Many of our graduates work as LPN's while they further their education to reach their nursing career goals.

*Students will need to purchase the following throughout the school year: flu shot, CPR card, liability insurance, MOSALPN student membership, watch with second hand, stethoscope, bandage scissors, pen light, white lab coat, uniforms, all white nurses shoes.*

***\*This course will cost the student approximately \$250.***



construction, including building components and systems, structural design, storm water management, site design, utilities and services, cost estimation, energy efficiency, and careers in the design and construction industry. Students will be exposed to the design and construction practices of residential and commercial building projects, design teams and teamwork, communication methods, building codes and ordinances, engineering design calculations, and technical documentation. Students will use industry standard 3D architectural modeling software to facilitate site and building design and technical documentation. As the course progresses and the complexity of the design problems increase, students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving and design.

**Engineering Design and Development** – Teams of students guided by community mentors work together to research, design and construct solutions to engineering problems.

**\*Students enrolled in any of the Pre-Engineering courses may be eligible to receive dual college credit at numerous universities across the nation, including Missouri S & T.**

**Course Title: Welding I.....CREDIT: 3.0**

**2 semesters – 3 periods**

**Grades Eligible: 11, 12**

**Prerequisites: None**

**Description:** Students enrolling in Welding I receive approximately 450 hours of intense welding instruction by a certified welding instructor in Oxyacetylene Welding and Cutting, Shielded Metal Arc Welding, Gas Metal Arc Welding and Gas Tungsten Arc Welding based on guidelines set forth by the American Welding Society. This instruction will start students on the path for a successful future in the field of welding.

**Course Title: Welding II .....CREDIT: 3.0**

**2 semesters – 3 periods**

**Grades Eligible: 12**

**Prerequisites: Welding I and instructor approval**

**Description:** Welding II solidifies everything learned in Welding I, provides students with additional welding practice, and allows time for more in-depth training. By demonstrating advanced levels of skill performance, the student can complete Welding II and take multiple welder qualification tests for future employment experience.

### **EMBEDDED/DUAL CREDIT**

**Course Title: Embedded Math (Embedded Credit).....CREDIT: 1.0**

**Grades Eligible: 11 or 12**

**Prerequisites: Enrollment in a CTC career education program**

**Description:** Students enrolled in a career education program may earn 1 credit of math in one academic year or a combination of two academic years. Embedded math requires students to use practical mathematics to solve technical, real-life problems. Students must complete an enrollment form with their counselor in order to be enrolled in the course. This is a competency based course so students must pass their CTC course and embedded math exam with a 70% or higher to receive credit.

**Course Title: Embedded English/Language Arts (Embedded Credit).....CREDIT: 1.0**

**Grades Eligible: 12**

**Prerequisites: Enrollment in a CTC career education**

**Description:** Embedded Language Arts allows all high school seniors to earn one full Language Arts credit upon completion of a career portfolio and passing their career program. This portfolio will be personalized to each student showcasing their knowledge, ability, and experience. Students will be expected to attend ELA class, individual conferences, complete work as assigned and participate in a mock interview. The completed portfolio can be used to apply for jobs, college admissions, internships/apprenticeships, and other training programs. Students who satisfy the requirements of the program and maintain a 70% or higher in ELA will earn one full Language Arts credit which will be transcribed at their home school.

# **SPECIAL PROGRAMS**

## **MISSOURI OPTION PROGRAM (PM ONLY)**

The Missouri Option program is designed for those students in their 4<sup>th</sup> year of High School who are not finding success in the traditional high school program. Students will be enrolled in one three-hour block HiSet course at the Cape Girardeau Career and Technology Center (CTC) and in one three-hour block course in a CTC vocational course of study of the respective student's choosing. Upon the successful completion of the HiSet Exam, Health, Government, Personal Finance **and** the CTC vocational course, students will be eligible to earn a regular Cape Central High School diploma and to participate in commencement exercises. Interested students should contact the Cape Central High School Counseling Department for complete enrollment details and program expectations.

## **MISSOURI COURSE ACCESS PROGRAM**

Students are allowed to enroll in virtual courses, including courses offered through MOCAP, as required by law. Enrollment forms may be requested through the school's counselor or principal. Cape Central High School online service provides K-12 Missouri students equal access to a wide range of coursework. Students who have lost credit due to failed courses, students who are on homebound, students with scheduling conflicts within the school day and students with medical concerns may find this program of benefit.

## **CENTRAL STUDIES**

Central Studies is an online learning lab utilizing Edgenuity Software. Students enrolled in Central Studies complete units of study which correlate to the same courses and curricula offered in the traditional classroom. The software takes a mastery learning approach as the students work through the material at their own pace. Students are graded using a weighted grade book which includes chapter tests, assignments, writing projects, and class notes. The instructor is available to help students as they have difficulty with content or navigation through the software. Students may only enroll in Central Studies in consultation with their school counselor and/or assistant principal.

## **AFTER SCHOOL CREDIT RECOVERY**

After School Credit Recovery is a program housed in the Central Studies classroom beyond the regular school day utilizing Edgenuity Software. Students enrolled in After School Credit Recovery complete units of study which correlate to the same courses and curricula offered in the traditional classroom during the academic day. The software takes a mastery learning approach as the students work through the material at their own pace. Students are graded using a weighted grade book which includes chapter tests, assignments, writing projects, and class notes. Faculty proctors are available to help students as they have difficulty with content or with navigation through the software. Students may only enroll in After School Credit Recovery in consultation with their school counselor and/or assistant principal.

## **SPECIAL SERVICES**

The Special Services Department provides students with exceptionalities the opportunity to fulfill their potential through appropriate individualized educational programming. Emphasis upon alternative learning techniques and strategies enable the students who receive special services to experience as much of the regular classroom program as possible to complete course requirements that are relative to their ability levels. Scope and intensity of services are available on a continuum of support services and vary according to the students' special needs.

For more information about this program, please contact Mandy Keys, Director of Special Services, at 335-1867.



**Cape Central High School  
A+ School Participation Agreement**

Student's Last Name \_\_\_\_\_ First Name \_\_\_\_\_  
(please print)

If state funds are available and Cape Central High School maintains its status as a designated A+ School prior to my graduation, I will receive reimbursement for the college expenses determined by the Missouri General Assembly while attending a Missouri public community college, public career/technical school or certain private two-year vocational/technical schools on a full-time basis. This reimbursement will be for the unpaid balance after federal post-secondary financial assistance funds (that do not require repayment) have been applied. It will be available for up to two (2) years of attendance during the 48-month period after my graduation from high school. This is on the condition that I meet the following requirements:

1. Attend an A+ designated high school for two (2) years prior to high school graduation.
2. Graduate from high school with a **non-weighted**, cumulative grade point average of 2.5 on a 4.0 scale.
3. Have at least a 95 percent average attendance record for the four-year period.
4. Graduate with fifty (50) documented hours of unpaid tutoring/mentoring approved by the A+ Coordinator.
5. Maintain a record of good citizenship and avoid the unlawful use of drugs and alcohol as defined by the Cape Central High School A+ Schools Program Citizenship Guidelines.
6. Earn a score of "proficient" or "advanced" on the Algebra I End of Course exam (or other tests as determined by the Missouri Department of Higher Education).
7. Must be a US citizen or a permanent resident.

*To maintain eligibility after high school graduation, I understand that I must meet the following requirements:*

1. Each year make a documented good faith effort to secure federal post-secondary student financial assistance funds.
2. Enroll and attend on a full-time basis a Missouri public community college, public career/ technical school, or certain private two-year vocational/technical schools.
3. Maintain a grade point average of 2.5 or higher on a 4.0 scale.

I wish to participate in the A+ Schools Program at Cape Central High School.

Student Signature \_\_\_\_\_ Date \_\_\_\_\_ Parent/Guardian Signature \_\_\_\_\_ Date \_\_\_\_\_

A+ Coordinator's Signature \_\_\_\_\_ Date \_\_\_\_\_ Anticipated Graduation Year \_\_\_\_\_

**Please return this form to the A+ Coordinator at Cape Central High School.**





# 2023-2024 Enrollment Form

Date: \_\_\_\_\_

## Student Information

Student	Last			First			M.I.			<input type="checkbox"/> Male	Grade
										<input type="checkbox"/> Female	Next Year:
Current High School	Birth Date: mm/dd/yy			SSN							
Email Address:							Is the student Hispanic or Latino?		<input type="checkbox"/> Yes	<input type="checkbox"/> No	
Student Race:	<input type="checkbox"/> White	<input type="checkbox"/> Black or African American	<input type="checkbox"/> Asian	<input type="checkbox"/> Native Hawaiian or Pacific Islander							



## Primary Household

Adult #1 (first contact)	Name			Relationship to Student		
Email Address:	Cell Phone:			Work Phone:		
Adult #2	Name			Relationship to Student		
Email Address:	Cell Phone:			Work Phone:		
Household Address:	Street Address					Apartment/Unit #
City			State		ZIP Code	
Home Phone:	Alternate Phone:					

## Secondary Household

Adult #3	Name			Relationship to Student		
Email Address:	Cell Phone:			Work Phone:		
Adult #4	Name			Relationship to Student		
Email Address:	Cell Phone:			Work Phone:		
Household Address:	Street Address					Apartment/Unit #
City			State		ZIP Code	
Home Phone:	Alternate Phone:					

**Emergency Contact (if parents are unavailable)**

Name:		Relationship:	
Cell Phone:		Home Phone:	

**CTC PROGRAMS OFFERED**

The following programs are offered at the Cape Girardeau CTC. Each Course is for 3 periods per day for both semesters, earning 3 units of high school credit each year. Juniors and seniors are eligible, except where noted.

Auto Collision *	<input type="checkbox"/>	Electrical Trades *	<input type="checkbox"/>	<b>SENIOR ONLY PROGRAMS:</b>	
Automotive Technology *	<input type="checkbox"/>	Fire Science	<input type="checkbox"/>	Basic Flight	<input type="checkbox"/>
Computer Coding & Programming *	<input type="checkbox"/>	HVAC/R *	<input type="checkbox"/>	Criminal Justice	<input type="checkbox"/>
Computer Networking & Security *	<input type="checkbox"/>	Landscape/Horticulture *	<input type="checkbox"/>	Early Childcare *	<input type="checkbox"/>
Construction Technology *	<input type="checkbox"/>	Marketing *	<input type="checkbox"/>	Emergency Medical Technician (EMT-B)	<input type="checkbox"/>
Culinary Arts *	<input type="checkbox"/>	Precision Machining *	<input type="checkbox"/>	Health Occupations	<input type="checkbox"/>
Digital Media *	<input type="checkbox"/>	Pre-Engineering by PLTW *	<input type="checkbox"/>	High School Practical Nursing	<input type="checkbox"/>
Graphic Design *	<input type="checkbox"/>	Welding *	<input type="checkbox"/>		<input type="checkbox"/>

First Choice:		Second Choice: (Must fill out 2)	
---------------	--	-------------------------------------	--

Please see your counselor if you plan to graduate early.  
\*College Credit is available for designated courses

**TO BE COMPLETED BY STUDENT**

**Why do you want to be in this program?**

---



---

**What are your plans after high school?**

---



---

Parental Consent – I understand and agree with my child’s decision to attend the Cape Girardeau Career and Technology Center for the upcoming school year. **I understand that he/she will be required to have proof of insurance and that some courses may require additional fees or supplies.**

Parent Signature:		Date:	
-------------------	--	-------	--

**TO BE COMPLETED BY HOME SCHOOL COUNSELOR**

*Revised 7/1/22 Page 2 CTC Enrollment Form*

CUM GPA:	Student will be a:	Junior <input type="checkbox"/>	Senior <input type="checkbox"/>	in the upcoming school year.	MOSIS ID#:
Number of discipline referrals for the current school year:		Please attach discipline history.			
Number of absences for the current school year:		Please attach attendance history.			
Career Cluster Inventory Results From Missouri Connections:					
IEP NO <input type="checkbox"/>	YES <input type="checkbox"/>	Diagnosis:	Enroll in Embedded Comm Arts <input type="checkbox"/>	Math <input type="checkbox"/>	
Counselors Comments:					
Recommending school official's signature:					

**Notice of Nondiscrimination**

The Cape Girardeau Public School System is committed to the concept of equal opportunity for all individuals, regardless of race, color, national origin, sex, or handicap as defined by section 504, PL 93-112, in its employment procedures and in its operation of education programs and activities. The Cape Girardeau Public School System is required by Title IX of the Educational Amendments, Public Law 93-318 not to discriminate on the basis of sex in above mentioned areas. Persons who feel they have been discriminated against in violation of this policy may appeal to the Compliance Official responsible at 301 N. Clark St. Cape Girardeau, MO 63701, telephone (573) 335-1867.



# Individual Career and Academic Plan (ICAP)

## CAPE CENTRAL HIGH SCHOOL

Name: SAMPLE

Graduation Year: \_\_\_\_\_

	Grade	Requirements/Credits	Credits	1st Semester	2nd Semester	Credit Notes
<b>Select a Career Path</b>	<b>9</b>	English	1	English I	English I	9th Grade Review
		Social Studies	1	American History	American History	
		Mathematics	1	Based on placement	Based on placement	
		Science	1	Fund. of Science	Fund. of Science	
		P.E.	1/2	9th grade PE	Elective	
		Electives examples: Fine Art/ Practical Art/ Core	2 1/2	Elective	Elective	
<b>Career Cluster</b>	<b>9</b>	Electives examples: Fine Art/ Practical Art/ Core	2 1/2	Elective	Elective	_____
				Elective	Elective	
<b>Program of Study (Pathway)</b>	<b>9</b>					_____
<b>Additional Postsecondary Preparation</b> A+ Program  Career and Technical Ed Certificate Industry Recognized Credential Missouri Seal of Biliteracy NCAA Technical Skill Attainment  Other: _____	<b>10</b>	English	1	English II	English II	10th Grade Review
		Social Studies	1	World History	World History	
		Mathematics	1	Based on placement	Based on placement	
		Science	1	Science choice	Science choice	
		Health	1/2	Health	Elective	
		Practical Art	1/2	Elective	Elective	
		P.E.	1/2	10th grade PE	Elective	
		Electives	1			
<b>Postsecondary Goals</b>	<b>11</b>	English	1	English III	English III	11th Grade Review
		Social Studies	1	Modern American History	Government	
		Mathematics	1	Based on placement	Based on placement	
		Science	1	Biology	Biology	
		Electives / Consumer Education	3	Personal Fin/Consumer Ed	Elective	
				Elective	Elective	
				Elective	Elective	
<b>Postsecondary Options:</b>  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: _____	<b>12</b>	English	1	English choice	English choice	12th Grade Review
				Elective	Elective	
		Electives	6	Elective	Elective	
				Elective	Elective	
				Elective	Elective	
				Elective	Elective	