

# CURRICULUM

## **Programs of Study**

Grades K-12

2023-2024

Lee County School District 1280 College View Drive Tupelo, Mississippi 38804 662-841-9144

www.leecountyschools.us

Superintendent, Mr. Coke Magee Assistant Superintendent, Mr. Adam Lindsey

> Lee County School Board Members Sherry Mask, President Pam Tharp, Vice President Mary Edwards, Secretary Greg McKissick, Member Carrie Bruce, Member

Lee County School District is in compliance with Title VI of the Civil Rights Act of 1964, including regulations in vocational education, Title IX of the Educational Amendments of 1972, Section 504 of the Rehabilitation Act of 1973, the Family Educational Rights and Privacy Act of 1974, and the Americans with Disabilities Act.

The Lee County School District does not discriminate on the basis of race, color, national origin, sex, disability, religion, or age in the services or employment opportunities and benefits. The Career and Technical Education Department (CTE) encourages males and females to enroll in nontraditional classes and to train for nontraditional jobs. Copies of the Title IX policy of the Educational Amendments of 1972 and the Family Educational Rights and Privacy Act of 1974 are available in the principal's office in each school building upon request.

#### Lee County School District Vision

Serving our communities by providing educational opportunities for all students.

#### Lee County School District Mission

Providing a high-quality education in a safe, healthy environment and developing responsible citizens who become productive members of our communities.

#### **Elementary Curriculum Grades K-5**

The Mississippi Curriculum Frameworks and the Mississippi College and Career Readiness Standards (CCR) are utilized in all elementary grades as the instructional management plan. Individual teachers' lesson plans focus on this framework and standards and State mandated achievement test objectives. Various instructional strategies, including large and small group instruction, differentiated instruction, cooperative learning, hands-on-activities, and integration of subject areas within units, are used in classrooms to promote maximum student achievement.

Educational opportunities are also provided in the areas of computer technology, music, art, and physical education. Intellectually gifted is also offered to eligible students in grades 2-5. All elementary schools have school counselors, librarians, nurses, and other support personnel dedicated to helping all students have a successful educational experience.

#### Middle School Curriculum for Grades 6-8

The Mississippi Curriculum Frameworks and the Mississippi College and Career Readiness Standards (CCR) are utilized in all middle school grades in Lee County Schools as the district's instructional management plans. Students in grade 6 are enrolled in language arts, mathematics, science, social studies, physical education and Contemporary Health. Other courses available to these students include band, choral music, art, and talented and gifted. Students in grade 7 are enrolled in English/language arts, mathematics, science, social studies, physical education/athletics and Contemporary Health. Students in grade 8 are enrolled in English/language arts; math; science, social studies, Cyber Foundations, physical education/athletics, and Contemporary Health. Electives for seventh and eighth grade students vary from school to school and are listed below. In grades 6, 7, and 8 academic intervention programs vary from school to school.

#### Middle School Electives

Band

This course involves students in instrumental instruction, elementary theory—rhythm, harmony, and melody; and basic marching fundamentals. Students own their instruments and are given individual instruction on their instruments.

#### **Choral Music**

This course introduces students to the basic music skills of notation, rhythm, melody, form, harmony, and history. A variety of compositions are sung with an emphasis on performance skills: expressiveness, intonation, part-singing, and tone quality.

#### Talented and Gifted (Discovery)

This course is an academic enrichment program following a scope and sequence. Mini units in the core areas of science, math, language arts, and social studies are taught. Creative problem solving and computer skills are also developed. Students must be ruled eligible for this class.

#### Art

The purpose of the course is to offer students the opportunity to develop facility in rendering surface and texture and to use drawing skills for imaginative tasks. A studio-centered program will include outside assignments, a linkage to art history, group critiques, development of a portfolio, and participation in evaluations and exhibitions.

#### **Learning Strategies**

This course is designed to improve the academic achievement of students. Skills in reading, listening, writing, math, and critical thinking are stressed. MAAP assessment data is used to schedule students in grades 6-8 into this course.

#### **Curriculum for Grades 9-12**

Lee County School District is dedicated to providing students a well-rounded curriculum that strives to produce successful learning and supports personal, social, and emotional development. Students and parents have the responsibility of establishing goals and choosing courses carefully that will lead to the successful attainment of those goals. Planning is of the utmost importance in having an enjoyable school career that will lead to a broad base of knowledge and skills to be used for a lifetime. As students enter high school, they should begin to concentrate on college/career choices and preparation. Each of the district's three high schools offers a variety of courses that allow students to prepare for whatever future they set for themselves. With the 4X4 block schedule, students have eight (8) periods during the school year in which to involve themselves in course work and laboratory experiences. The MS Curriculum Frameworks and the Mississippi College and Career Standards (CCR) are utilized in all Lee County high schools as the district's instructional management plan.

## School Year 2023-2024 Grades 9-12 Course Offerings Checklist

Course	Mooreville High	Saltillo High	Shannon High
ENGLISH			
CCR English I			$\checkmark$
CCR English II			$\checkmark$
CCR English III			
CCR English IV			$\checkmark$
Accelerated CCR			
English II			
Accelerated CCR			
English III			
Debate			
AP English			
Dual Credit English			
Composition I			
Dual Credit English			
Composition II			
Dual Credit Public			
Speaking			
SREB Literacy Ready			
SREB Essentials of			
College Literacy			
Oral			
Communication			
Broadcast			
Journalism			
Foundations of			
Journalism			
Mississippi Writers			
Creative Writing			
World Literature			
COMPENSATORY (Ele	ctive credit only)	,	
Compensatory			$\checkmark$
English I (must be			
taken in concert			
with CCR English I			
Compensatory		1	1
English II (must be			$\checkmark$
taken in concert			

Note: A " $\sqrt{''}$  indicates the course is offered at a school. (Some course offerings may vary from school to school.)

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Mooreville High MING ARTS	√ Saltillo High √	Shannon High
MING ARTS	Saltillo High √	Shannon High
MING ARTS		
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$\sim$		(Marching, Concert, & Symphonic)
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Course	Mooreville High	Saltillo High	Shannon High
SCIENCE	<b>–</b>	<b>.</b>	<b>_v</b>
Biology I			
AP Biology			
Botany			ν
Chemistry			γ
AP Chemistry			
Environmental			ν
Science			
Genetics			
Human Anatomy			
and Physiology		·	
Foundations of			
Biology			
Physical Science			
Physics			
Zoology I			
Zoology II			, , , , , , , , , , , , , , , , , , ,
Earth and Space	λ		
Science	,	·	
Marine and Aquatic			λ
Science			
Foundations of			
Science Literacy			
SOCIAL STUDIES			
History of the	V		
Ancient Middle East	·	·	
Mississippi Studies			γ
Economics		$\overline{}$	
Psychology		$\overline{}$	
Sociology		$\overline{\mathbf{v}}$	
U.S. Government			
U.S. History from			
Post Recon. To Pres.	,	,	,
Introduction to			
World Geography	,	·	,
World History			
Dual Credit		, V	
Psychology	,	,	
AP U.S. History			
Dual Credit Western			
Civilization I		Y	, v
Local Culture			
	, v		

Course	Mooreville High	Saltillo High	Shannon High
FOREIGN LANGUAGE			
French I			
French II			
Spanish I			
Spanish II			
Dual Credit			
Spanish I			
HEALTH & PHYSICAL	EDUCATION		
Drug Education			
Contemporary			
Health			
Physical Education			
(PE)			
Safety Education			
Fitness & Nutrition			
DRIVER'S EDUCATION	l		·
Driver's Education			
<b>BUSINESS EDUCATION</b>	V		
Accounting			
Personal Finance			
Business Law			
Marketing			
Essentials			
Marketing			
Fundamentals			
Management			
Essentials			
Entrepreneurship			
Web Design and			
Media Rich Content			
COLLEGE AND			
CAREER READINESS			
College and Career			V
Readiness			

## **CTE COURSES**

Course	Mooreville High	Saltillo High	Shannon High	
Career and Technical Education – LEE CTE Center				
Advanced Manufacturing I	$\checkmark$	$\checkmark$	$\checkmark$	
Advanced Manufacturing II	$\checkmark$	$\checkmark$	$\checkmark$	
Agricultural and Natural Resources I	$\checkmark$	$\checkmark$	$\checkmark$	
Agricultural and Natural Resources II	$\checkmark$	$\checkmark$	$\checkmark$	
Culinary Arts I	$\checkmark$	$\checkmark$	$\checkmark$	
Culinary Arts II	$\checkmark$	$\checkmark$	$\checkmark$	
Construction I	$\checkmark$	$\checkmark$	$\checkmark$	
Construction II	$\checkmark$	$\checkmark$	$\checkmark$	
Health Science Core (Year 1)	$\checkmark$	$\checkmark$	$\checkmark$	
Healthcare and Clinical Services	$\checkmark$	$\checkmark$	$\checkmark$	
(Year 2)				
HVACI	$\checkmark$	$\checkmark$	$\checkmark$	
HVAC II	$\checkmark$	$\checkmark$	$\checkmark$	
Unmanned Aerial Systems I	$\checkmark$	$\checkmark$	$\checkmark$	
Unmanned Aerial Systems II	$\checkmark$	$\checkmark$	$\checkmark$	
Educator Prep I	$\checkmark$	$\checkmark$	$\checkmark$	
Educator Prep II	✓	$\checkmark$	$\checkmark$	
Career and Technical Education Cours	ses (Offered at the l	high schools)		
Work Based Learning I	$\checkmark$	$\checkmark$	$\checkmark$	
Work Based Learning II	$\checkmark$	$\checkmark$	$\checkmark$	
Exploring Computer Science	$\checkmark$	$\checkmark$	$\checkmark$	
Contemporary Health	$\checkmark$			
Child Development	$\checkmark$	$\checkmark$	$\checkmark$	
Family Dynamics	$\checkmark$	$\checkmark$	$\checkmark$	
Nutrition and Wellness	$\checkmark$	$\checkmark$	$\checkmark$	
Resource Management	$\checkmark$	$\checkmark$	$\checkmark$	
Computer Science and Engineering			$\checkmark$	

#### **Grades 9-12 Course Descriptions**

#### ENGLISH

#### CCR English I

Grade: 9	Prerequisite: Promotion from 8 <sup>th</sup> Grade
Credit: 1	Semester: 1

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 9 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

#### CCR English II

Grade: 10	Prerequisite: CCR English I
Credit: 1	Semester: 1

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 10 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course. This course is a Mississippi Subject Area tested course.

#### CCR English III

Grade: 11	Prerequisite: CCR English II
Credit: 1	Semester: 1

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 11 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

#### CCR English III Accelerated (ACC ENG III)

Grade: 11	Prerequisite: CCR English II, Test Data,	
	Instructor Recommendation	
Credit: 1	Semester: 1	

This course follows the curriculum for English III; however, more literature and informational text is studied in greater depth and more writing of greater complexity and sophistication is to be produced. Several research assignments refine student skills in the use of research as a learning tool. Students will research primary and secondary U.S. historical texts. Editing and revising of student writing is stressed. A study of American literature includes literary devices and techniques used by American writers. This course is designed for the college-bound student.

CCR English IV

Grade: 12	Prerequisite: CCR English III
Credit: 1	Semester: 1

This course offers a focus of instruction and helps ensure that students gain adequate exposure to a range of texts and tasks in order to become college and career ready. Rigor is also infused through the requirement that students read increasingly complex texts through the grades. Students will engage in reading grade 12 appropriate literature and informational texts and in narrative, argumentative, and informative/explanatory writing, along with research. Speaking and listening skills will be incorporated. Language skills, including conventions of standard English, and vocabulary acquisition and usage, will be emphasized throughout the course.

#### CCR English IV Accelerated (ACC ENG IV)

Grade: 12	Prerequisite: CCR English III, Test Data,	
	Instructor Recommendation	
Credit: 1	Semester: 1	

This course follows the CCSS English IV curriculum framework but places greater emphasis on writing and the study of literature and informational text. Research skills are stressed along with literary analysis and critical thinking. This course is designed for the college-bound student.

#### Advanced Placement English Literature and Composition (AP ENG)

Grade: 11 or 12	Prerequisite: CCR English III, Teacher Referral
Credit: 1	Semester: 1

AP English Literature and Composition is designed to engage students in the careful reading and critical analysis of imaginative literature. Intensive study of representative works from various genres and periods by recognized literary figures of merit will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Writing is an integral part of the AP English Literature and Composition course and assignments will focus on the critical analysis of literature. This course is designed for the college-bound student.

#### **Oral Communication**

Grade: 9, 10, 11, 12	Prerequisite: None or CCR English I and CCR
	English II if used as a third- or fourth-year
	English credit
Credit: 1	Semester: 1

This course includes instruction in how to acquire, analyze, and evaluate information in order to make decisions and establish satisfying relationships. Skill or oral communication helps the student to think logically, clearly, and creatively. This course is designed to help students produce a factual, journalistically-sound piece of writing from interviews they conducted. Students should also be able to create at least one accompanying visual element (photo/video) and publish their work to the web. This course can count as elective credit in grades 9-12 or as an English credit if taken after English II. The course may not, however, meet the 4-year college bound curriculum requirements.

#### SREB Literacy Ready Course

Grade: 12 (fourth-year course)	Prerequisite: CCR English II and third-year
	English credit
Credit: 1	Semester: 1

The SREB Readiness Course titled Literacy Ready is an innovative, dynamic course built to help students master the literacy skills needed for three core subject areas – English, social science and science. Content of the discipline is at the forefront of the curriculum; while the disciplinary literacy skills are emphasized through reading and writing assignments based on the content. Units are focused on how to read and interpret texts in the discipline on a college level. This course is designed to assist students who are preparing for postsecondary education. This course can count as an English credit needed for graduation if taken during the 4<sup>th</sup> year. The course may not, however, meet the 4-year college bound curriculum requirements.

\*Dual Credit English Composition I and II will also be offered on site. Prerequisites are CCR English I and English II. See the Guidance Counselor at the school for additional enrollment/ ACT requirements.

#### COMPENSATORY

#### Compensatory English I (COMP ENG I)

Grade: Must be taken in concert with CCR	Prerequisite: Must be taken in concert with
English I	CCR English I
Credit: 1 (Elective)	Semester: 1

Students in English I in need of instructional support, intervention, or remediation may be enrolled in the Compensatory English I course under the following stipulations:

- The course must be taken in concert with CCR English I
- The course includes content supportive of the accompanying English I course
- The course may be taken as an elective, but <u>will not</u> satisfy the number of Carnegie units in English required for graduation.

#### Compensatory English II (COMP ENG II)

Grade: Must be taken in concert with CCR	Prerequisite: CCR English I; must be taken in
English II	concert with CCR English II
Credit: 1 (Elective)	Term/Semester: 1

Students in English II in need of instructional support, intervention, or remediation may be enrolled in the Compensatory English I course under the following stipulations:

- The course must be taken in concert with CCR English II
- The course includes content supportive of the accompanying English I course
- The course may be taken as an elective, but <u>will not</u> satisfy the number of Carnegie units in English required for graduation.

#### ACT/SAT Prep I (ACT PREP)

Grade: 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course is an elective course designed to prepare students for the ACT or SAT college entrance exams.

#### Learning Strategies (LEARNING STRAT)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course is designed to assist students in developing more effective ways of acquiring, integrating, storing, and retrieving information. Students will become independent learners and will be able to transfer learning skills to other academic areas.

#### VISUAL AND PERFORMING ARTS

Band	
Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1/2, 1	Term/Semester: 1

This course is comprised of a variety of music skills including instrumental instruction, marching fundamentals, and theory. Students participate in both marching and concert performances. Students own their instruments, and they are given individual lessons on their instruments. After-school practice is required.

#### Choral Music (CHORUS)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1/2, 1	Term/Semester: 1

This course is an introduction to the fundamentals of singing, sight-singing, and part-singing. In addition, proper posture-breathing and tone quality are introduced as well as intonation and rhythmic vitality. Through exposure to all types of music, students' musical knowledge should be broadened.

#### **Choral Ensemble**

Grade: 9, 10, 11, 12	Prerequisite: Instructor Recommendation
Credit: 1	Semester: 1

This program of study is to be used in developing curriculum for use in a variety of choral performance courses. The focus of the course will guide the development of the specific curriculum based upon the competencies in this program of study. Teachers are encouraged to select and implement unit topics, repertoire, teaching strategies, performance practices, and assessments that will enable students to meet the competencies stated for each level.

#### Performing Arts-Special Course (Performing Choir)

Grade: 9, 10, 11, 12	Prerequisite: Instructor Recommendation
Credit: 1	Semester: 1

This program of study is to be used in developing curriculum for use in a variety of choral performance courses. The focus of the course will guide the development of the specific curriculum based upon the competencies in this program of study. Teachers are encouraged to select and implement unit topics, repertoire, teaching strategies, performance practices, and assessments that will enable students to meet the competencies stated for each level.

#### **General Music**

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course is an overview of the educational scope of a high school general music course. The contents extend beyond the "traditional" course of study to include an understanding of music within the realm of human condition in our global culture. The strands are historical

development of music, music in American culture, music in a global culture, and the structure of music.

#### Theater Arts I

Grade: 9, 10, 11, 12	Prerequisite or Co-requisite: None (Oral
	Communication Optional)
Credit: 1	Semester: 1

In this course students will explore the relationships of theater history, structure, literature, acting, producing, and critiquing. They will discover that theater is an art form that enhances basic life skills through stimulation of creative thinking and problem solving.

Visual Art I

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course will identify the elements and principles of design. Students will execute art works, using the elements and principles of design. These works will be done with a variety of media including pencil, pen and ink, pastels, tempera, and water color. Fiber arts, textile design, and printing will also be explored. The history of art will be emphasized as works are rendered.

#### Visual Art II

Grade: 10, 11, 12	Prerequisite: Visual Art I
Credit: 1	Semester: 1

This course will explore various techniques of artwork using the elements and principles of design. A more thorough study of the following areas will be pursued; these include print making, textile design, fiber arts, painting, calligraphy, sculpture, and drawing. The history of art will be emphasized as works are rendered.

#### **Gifted Visual Art**

Grade: 9, 10, 11, 12	Prerequisite: Ruling of artistically gifted in
	middle school or referral and audition
Credit: 1	Semester: 1

To enroll in this course students are referred by teachers based on submission of at least 3 original pieces of art completed by the student in the last year. Student work is screened using the Gifted Rating Scale (GRS - Artistic Talent) and the Scales for Identifying Gifted Students (SIGS - Creativity). After referral, selected students must audition for the program. Students are assigned projects to complete in the presence of three judges who review the student's work and independently rate the artworks produced during the audition. Acceptance into the program is based on the judges' ratings. In the course students will produce a portfolio in sections: quality, concentration, and breadth, using the Advanced Placement program guidelines. In addition, students will develop a drawing journal or sketchbook. Students will also be required to research topics and present them in various creative forms such as skits, video (Gifted Visual Art, continued) productions, booklets, or papers. \*Students who were enrolled in Gifted Art in middle school are automatically eligible for high school gifted art classes.

#### MATHEMATICS

#### Foundations of Algebra

Grade: 9	Prerequisite: Teacher Referral
Credit: 1	Semester: 1

This course will be offered only to 9<sup>th</sup> grade students. This course is intended to provide a basis for curriculum development for students in need of substantial support prior to taking Algebra I. The content of the course focuses on equations, inequalities, functions, polynomials, geometry, and statistics as well as the standards of mathematical practice. The standards for this course were developed based on core content that should have been mastered by the end of grade 8, key concepts needed for Algebra I, and critical topics that will be introduced in Algebra I. Students who have already successfully completed Algebra I <u>may not</u> take this course.

#### CCR Algebra I

Grade: 9-10	Prerequisite: CCR Grade 8 Math
Credit: 1	Semester: 1 or Year Long

The fundamental purpose of this course is to formalize and extend the mathematics that students learned in the middle grades. Because it is built on the middle grades standards, this is a more ambitious version of Algebra I than has been generally offered. Instruction will focus on five critical areas: 1) analyze and explain the process of solving equations and inequalities; 2) learn function notation and develop the concepts of domain and range; 3) use regression techniques; 4) create quadratic and exponential expressions; and 5) select from among these functions to model phenomena.

This course is a Mississippi Subject Area tested course.

#### **CCR Geometry**

Grade: 9, 10, 11, 12	Prerequisite: CCR Algebra I or CCR Compacted
	Math Grade 8 (With Algebra I)
Credit: 1	Semester: 1

The fundamental purpose of this course is to formalize and extend students' geometric experiences from the middle grades. Students explore more complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. Important differences exist between this geometry course and the historical approach taken in geometry. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience math as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The six critical areas of this course include: 1) building thorough understanding of translations, reflections, and rotations; 2) developing the understanding of similarity and several theorems; 3) extension of formulas for two dimensional and three dimensional objects; 4) extension of 8<sup>th</sup> grade geometric concepts of lines; 5) prove basic theorems about circles; and 6) work with experimental and theoretical probability.

CCR Algebra II	
Grade: 10, 11, 12	Prerequisite: CCR Algebra I or CCR Compacted
	Math Grade 8 (With Algebra I) and CCR
	Geometry

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Students build on their work with linear quadratic and exponential functions, to extend their repertoire of functions to include polynomial, rational, and radical functions. They work closely with expressions that define the functions, and continue to expand their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The Mathematical Practices Standards apply throughout this course and, together with the content standards, prescribe that students experience math as a coherent, useful, and logical subject.

#### (CCR Algebra II, continued)

The four critical areas of this course include: 1) working extensively with polynomial operation; 2) building connections between geometry and trigonometric ratios; 3) understanding of a variety of function families; and 4) explore statistical data.

#### CCR Algebra III

Grade: 11-12	Prerequisite: CCR Algebra II
Credit: 1	Semester: 1

This course includes content standards from the 2007 Mississippi Curriculum Frameworks Revised Pre-Calculus course and the College and Career Readiness Standards for Mathematics, and covers those skills and objectives necessary for success in courses higher than CCR Algebra II. Topics of study include sequences and series, functions, and higher order polynomials. Technology is to be used to enhance presentation and understanding of concepts. Students should be given opportunities to collaborate as they solve routine and non-routine problems. This course is higher than CCR Algebra II.

#### Calculus

Grade: 11, 12	Prerequisite: Advanced Alg. and Trig.; or CCR Algebra III; or CCR Advanced Math Plus
Credit: 1	Semester: 1

This course includes content standards from the 2007 Mississippi Curriculum Frameworks Revised. This course focuses on the mathematics of change. The major focus is on differential and integral calculus. The use of graphing calculators and other technologies are major components of the course. Students should work together collaboratively and cooperatively as they solve routine and non-routine problems.

#### AP Calculus (AP CAL)

Grade: 11, 12	Prerequisite: Pre-Calculus or Advanced
	Algebra and Trigonometry; or CCR Algebra III
	or CCR Advanced Math Plus
Credit: 1	Semester: 1

AP Calculus is designed to foster student's understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multirepresentational approach to calculus, with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally.

#### CCR Advanced Math Plus

Grade: 11, 12 (4 <sup>th</sup> year math course)	Prerequisite: CCR Geometry, CCR Alg. II
Credit: 1	Semester: 1

This course specifies the mathematics that students should study in order to be college and career ready. The Advanced Mathematics Plus course includes additional mathematics from the College and Career Readiness Standards for Mathematics indicated by a (+). These "plus standards" will help students in advanced courses such as calculus. The Standards of Mathematical Practices should be addressed throughout the course. This course is recommended for students who plan to take Calculus in high school.

#### SREB Math Ready

Grade: 11, 12 (4 <sup>th</sup> year math course)	Prerequisite: CCR Alg. I or CCR Compacted Math Grade 8 (With Algebra I) & CCR
	Geometry
Credit: 1	Semester: 1

The Southern Region Education Board (SREB) Math Ready Course is designed to assist students who are in need of a fourth year mathematical preparatory course prior to entering college. This course is designed to target college-ready skills gaps and assist in preparing students for postsecondary-level mathematics. The course focuses on the key readiness standards for the Mississippi College and Career Readiness Standards for Mathematics as well as the eight Standards for Mathematical Practice needed for students to be ready to undertake postsecondary academic or career preparation in non-STEM fields or majors. The course consists of seven mandatory units while addressing content standards taught throughout high school, including content from Algebra I, Geometry, and Algebra II that are essential for college and careers. This course will count as one of the 4 required math credits for graduation. The course may not meet the 4-year college bound curriculum requirements, however.

\*Dual Credit College Algebra will also be offered on site. Prerequisites are Algebra II and/or a 3<sup>rd</sup> advanced math course. See the Guidance Counselor at the school for additional enrollment/ACT requirements.

#### COMPENSATORY

#### **Compensatory Mathematics I**

Grade: Must be taken in concert with CCR	Prerequisite: Must be taken in concert with
Algebra I	CCR Algebra I
Credit: 1 (Elective)	Semester: 1

Students in need of instructional support, intervention or remediation may be enrolled in a Compensatory Mathematics course under the following stipulations:

The Compensatory Mathematics course:

- must be taken in concert with a credit-bearing course at the same grade level
- includes content supportive of the accompanying credit-bearing course
- should make every attempt to incorporate the Standards for Mathematical Practice
- may be taken as an elective, but <u>will not</u> satisfy the number of mathematics Carnegie units required for graduation.

Compensatory Mathematics II	
Grade: Must be taken in concert with CCR	Prerequisite: Must be taken in concert with

Geometry	CCR Geometry
Credit: 1 (Elective)	Semester: 1

Students in need of instructional support, intervention or remediation may be enrolled in a Compensatory Mathematics course under the following stipulations:

The Compensatory Mathematics course:

- must be taken in concert with a credit-bearing course at the same grade level
- includes content supportive of the accompanying credit-bearing course
- should make every attempt to incorporate the Standards for Mathematical Practice
- may be taken as an elective, but <u>will not</u> satisfy the number of mathematics Carnegie units required for graduation.

#### **SCIENCE**

#### Introduction to Biology (INTO to BIO)

Grade: 9, 10	Prerequisite: None
Credit: 1	Semester: 1

This course is an overview of basic Biology with an emphasis on organizational skills, critical thinking, reasoning skills, and methods of science. Students will be introduced to the laboratory and scientific literature as investigative tools of science with an emphasis on critical analysis and concept comprehension. Students will learn to interpret and communicate effectively results of experiments and research in a variety of formats including written and oral presentation, graphs, charts, diagrams, and multimedia presentations.

**Biology I** 

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This lab-based course is designed to relate basic information of living organisms and their chemical energy requirements with their physical environment. The structure and function of cells, cell organization and reproduction, genetics, and living organisms' role in the environment is the focus of content. Students should be encouraged to relate modern biological techniques to real life situations and career opportunities.

Biology I is a Mississippi Subject Area Tested course.

Biology II

Grade: 10, 11, 12	Prerequisite: Biology I
Credit: 1	Semester: 1

This is a lab-based course that continues the study of life. The units studied include biochemical life processes, molecular basis of hereditary, natural selection, behavior patterns, and advanced classification and organism studies.

#### AP Biology (AP BIO)

Grade: 11, 12	Prerequisite: Biology and Chemistry
Credit: 1	Semester: 1

AP Biology is designed to help students develop a conceptual framework for modern biology and an appreciation of science as a process. Through a wide range and depth of topics covered and extensive laboratory work, students will develop analytical skills necessary to deal critically with the rapidly changing science of biology. **Physical Science (PHY SCI)** 

Grade: 9, 10, 11, 12	Prerequisite or Co-requisite: Algebra I
Credit: 1	Semester: 1

This course is an introductory, lab-based course that investigates matter and energy; basic chemistry; forces and motion; sound and light; and electromagnetism. It may be considered a stepping stone to Biology, Chemistry, and Physics.

#### Chemistry

Grade: 10, 11, 12	Prerequisite or Co-requisite: Algebra II
Credit: 1	Semester: 1

This course is a lab-based course that investigates the properties and reactions of matter. Major areas of study include the metric system and scientific notations; symbols, formula, and nomenclature; chemical equation, stoichemistry; gas laws, kinetic molecular theory; chemical bonding; acid-base chemistry; chemistry equilibrium; and oxidation-reduction reactions. Lab work should allow students to observe directly chemical reactions and behavior of matter. Inductive and deductive thinking skills will be emphasized.

#### **AP Chemistry (AP CHEM)**

Grade: 11, 12	Prerequisite: Chemistry and Algebra II
Credit: 1	Semester: 1

AP Chemistry is designed to allow students to attain a depth of understanding of fundamentals and a reasonable competence in dealing with chemical problems. Emphasis on chemical calculations, mathematical formulation of principles, and laboratory work will provide a quantitative different experience above and beyond regular high school chemistry.

Physics

Grade: 11, 12	Prerequisite or Co-requisite: Trigonometry; or CCR Advanced Math Plus
Credit: 1	Semester: 1

This course is a lab-based course that will investigate matter and energy. Topics emphasized in this class will include Newtonian mechanics; waves, electricity and magnetism; and nuclear physics. Lab work will allow students to observe physical situations as they relate to physical law and concepts.

#### **AP Physics**

Grade: 11, 12	Prerequisite or Co-requisite: Calculus
	(Strongly recommended as a second-year
	physics course)
Credit: 1	Semester: 1

AP Physics C is designed to provide students with basic knowledge of the discipline of physics, including phenomenology, theories and techniques, concepts, and general principles. Through the use of qualitative and quantitative reasoning and by experimental investigation students will gain the ability to ask and obtain solutions to physical questions. Introductory differential and integral calculus is used throughout the course. AP Physics fosters an appreciation of the physical work and the discipline of physics, curiosity, creativity, and reasoned skepticism.

Students should obtain an understanding of the connection of physics to other disciplines and to societal issues.

#### Human Anatomy and Physiology (ANT/PHYS)

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Grade: 9, 10, 11, 12				Prerequisite: None
Credit: 1				Semester: 1

This course is a lab-based course that investigates the structure and function of the human body. Topics covered will include the role of tissues in the body; homeostatic mechanisms, and introductory embryology. Relationships between major body systems will be emphasized along with effects of drugs, nutrition, disease and biotechnological advances of certain systems.

Botany

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1/2	Semester: 1

This course is a lab-based science applying basic biological principles to the study of plants. Topics studied will include morphological characteristics of each division and variation in their reproduction, taxonomy, and physiology. Emphasis is on developing the ability to ask questions, to observe, to experiment, to measure, to use computers and calculators, to problem solve/reason, to use tools of science, to gather data, and to communicate findings.

#### Zoology I

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1/2	Semester: 1

This course is lab-based and will survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, and physiology will be investigated. Comparative studies may be addressed during laboratory observations and dissections.

Zoology II

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1/2	Semester: 1

This course is lab-based and will survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, and physiology will be investigated. Comparative studies may be addressed during laboratory observations and dissections

#### Environmental Science (ENV SCI)

Grade: 10, 11, 12	Prerequisite: None
Credit: ½	Semester: 1

This course is a lab-based science course that will explore ways in which the environment shapes living communities. Interactions of organisms with their environment will be emphasized along with the impact of human activities on the physical and biological systems of the earth. Student will participate in various studies that originate within their own communities or state and in some way impact our environment.

#### **Biomedical Research**

Grade: 11, 12	Prerequisite: Biology I
Credit: 1	Semester: 1

This course is an inquiry-based, technology-oriented, and laboratory-intensive elective course that prepares students to participate in professional biomedical research activities at the university level.

#### SOCIAL STUDIES

#### Geography

Grade: 8, 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course is a comprehensive study of geography and the major cultural regions of the world. Global physical features, climates, ecosystems, and geographic symbols are taught. The development of cultures, their impact, and their relationships to each other are studied. Map skills are an important part of this course, including an awareness of such technologies as GIS, GPS, remote sensing, and digital maps.

#### **Mississippi Studies (MS STUDIES)**

Grade: 8, 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course will be an in depth study of the State of Mississippi. The course and content includes geographic, historic, economic, political, and social events, tracing Mississippi's move from agriculture to industry. The five content strands are Domestic Affairs, Global Affairs, Civil Rights/Human Rights, Economic, and Culture.

#### World History From Age of Enlightenment to the Present (World HIST)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course covers the time period from the Age of Enlightenment to the Present and is a concluding year-long study in the sequence of world history for students. Instruction builds on the knowledge and skills that students have acquired in their previous studies in history and geography. The course focuses on the development, connections, and global influences of the western world. Students study and analyze global issues regarding economics, society, and the environment.

#### United States History From Post-Reconstruction to the Present (US HIST)

Grade: 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This survey course concentrates on major events and individuals and impact both of these have had on the political, social and economic development of the United States within its borders and as it relates to the rest of the world. Students will examine American culture, including religion, literature, art, drama, and the mass media. The five content strands are Domestic Affairs, Global Affairs, Civil Rights/Human Rights, Economics, and Culture. Experiences to gain an appreciation for our American heritage and to promote patriotism are provided as well as interest in current affairs and the promotion of international understanding. U.S. History is a Mississippi Subject Area tested course.

#### United States Government (US GOVT)

Grade: 11, 12 Prerequisite: None
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Credit: ½

Term: 1

This course is designed to promote understanding of the civic life, politics, and the constitutional process. The organization, philosophy, operation, and function of the political, social, and judicial institutions of American society are described.

Economics
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Grade: 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course will enable students to gain a general understanding of the factors concerning national and international economic activity. Students will also gain an understanding of microeconomics and macroeconomics from individual finances to world economics organizations.

#### Sociology

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course examines the ways that people interact with one another. The organization of societies, vital issues, social problems and relationships within groups are involved in helping man to understand himself better and to improve his relationship to others.

#### Psychology

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course focuses on the history, advances in technology, and both internal and external influences that affect human mental development. The student will learn the various elements of human behavioral development that emphasize concepts such as "self esteem" and "self responsibility." The course format is presented in thematic units, using various learning experiences as group interaction and community service.

#### Ancient History of the Middle East (ANC HIST)

Credit: 1 Semester: 1	Prerequisite: None
oreater 1	Semester: 1

This is an elective course. Students will participate in oral presentations, cooperative learning activities, and research projects. Reading, writing, analyzing, and evaluating skills as well as various social studies tools will be required.

\*Dual Credit Western Civilization and Dual Credit Psychology will also be offered on site at some schools. See the Guidance Counselor at the school for additional enrollment/ACT requirements.

#### MODERN FOREIGN LANGUAGES

Spanish I (SPAN I)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course is designed to teach the student basic concepts of Spanish grammar. Students will learn vocabulary, verb conjugations, certain idiomatic expressions, and sentence structure. Students will also learn to converse using simple dialogues and to translate simple passages.

#### Spanish II (SPAN II)

Grade: 9, 10, 11, 12	Prerequisite: Spanish I
Credit: 1	Semester: 1

This course is designed to improve language skills in conversation and composition. Students will study all verb tense conjugations, and they will also be introduced to subjunctive and imperative moods of verbs. Emphasis is placed on translation skills, conversational skills, and composition skills. Students will write paragraphs, translate stories, and converse in Spanish in addition to continuing their study of Spanish grammar and culture.

## \*Dual Credit College Spanish will also be offered on site. See the Guidance Counselor at the school for additional enrollment requirements.

#### HEALTH, PHYSICAL EDUCATION, AND DRIVER EDUCATION

#### Contemporary Health (HEALTH)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course is a one-semester high school course (or 9 weeks on the block). The course includes classroom and hands-on experiences that help students acquire the knowledge, attitudes, and skills necessary for making health-promoting decisions, achieving health literacy, adopting health-enhancing behaviors, and promoting the health of others. In this course of study, emphasis is placed on personal, social, and mental health in today's society.

#### **Drug Education (DRUG ED)**

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This elective course is designed to give students factual information about the harmful effects of substance abuse both physically and socially. Students learn not only the dangers of alcohol and tobacco use but also the dame that such drugs as cocaine and marijuana can cause. They are given opportunities to role play and work in cooperative learning groups to learn copying skills for peer pressure and other situations. Students do research activities, oral presentations, and a variety of assignments that explain a clear message of non-use of alcohol, drugs, and tobacco.

#### **Physical Education (PE)**

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1/2, 1	Term/Semester: 1

This course emphasizes activities in which students can participate throughout life. Physical fitness and emergency first aid procedures are included. Three phases of lifetime activities are taught; these are (1) history, (2) fundamentals, and (3) actual playing of games.

#### Driver Education (DRIVER ED)

Grade: 9, 10	Prerequisite: None
Credit: ½	Term: 1

This course is designed to teach students the goals of the highway system. The contents of the course are thirty (30) hours of classroom instruction on the rules of safe driving, twelve (12) hours of instruction in a state approved simulator, and three (3) hours of behind-the-wheel-training.

#### **BUSINESS EDUCATION**

#### **Technology Foundations**

Grade: 8, 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1 Grade 9; Year long: Grade 8

This course is offered as a Technology credit in grade 8 or 9. Students will engage in the following units of study: 1) Orientation and Ethics; 2) Internet Tools in the Classroom; 3) Computing Fundamentals; 4) Windows and Operating Systems; 5) Keyboarding; 6) Word Processing/Desktop Publishing; 7) Multimedia Presentations; 8) Spreadsheet Applications; 9) Social Media; and 10) Career Exploration. Instruction will focus on enduring understandings and content specific vocabulary. Students will complete assigned performance tasks with some units.

#### Accounting Fundamentals (ACCT FUN)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course introduces students to the accounting profession and to the principles associated with the accounting profession. In the course of study, the students should understand that business activities can have an impact on society. They should also understand the importance of seeking opportunities to develop skills and expertise in the accounting profession. Students will engage in the following units of study: 1) The Accounting Profession; and 2) Accounting Principles. Students will also complete assigned performance tasks.

#### Personal Finance (PERS FIN)

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course allows the student to explore personal financial decision making. It also helps each individual utilize skills in money management, record keeping, and banking. The course accomplishes this by the study of basic concepts involving economics, insurance, credit, and other related topics. Activities will include preparation of budgets, comparison shopping, advertising research, standard of living analysis, and comparison of housing options. In addition, students will be able to explain the fundamental principles of financial exchange, manage personal finances to achieve goals, recognize the role of financial service providers in achieving financial goals, apply investment strategies to ensure financial well-being, and apply payroll concepts.

#### Business Law (BUS LAW)

Grade: 9, 10 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course provides the students with the basic foundations of law as it relates to business. The origin of the law, ethics, and the structure of the court systems are studied. Criminal and civil procedures, including minor and family laws, are also taught in this course. Legislation that

applies to employment, real and personal property, and procedural law are also covered. Students will be equipped with a workable knowledge of the law as it applies to various legal situations that are encountered in personal and business situations. Students will engage in a variety of activities and research.

#### **Information Technology**

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: 1	Semester: 1

This course introduces students to Information Technology, including computer hardware and operating systems. In this course of study, students will evaluate and resolve computer hardware and software issues; install, configure, and troubleshoot an operating system; research educational, occupational, and leadership opportunities in Information Technology; apply safety procedures in the computer classroom and lab; publish and communicate with peers, experts, and other audiences using technology; and investigate operating systems, programming language, and application software.

#### **Graphic Design I**

Grade: 9, 10, 11, 12	Prerequisite: None
Credit: ½	Term: 1

This course is a hands-on introduction to graphic design and a prerequisite to Graphic Design II. The course involves teamwork and research. Students will understand the issues related to journalism ethics, copyright guidelines and violations involving graphic design. Students should be able to demonstrate proficiency in the setup, operation, and troubleshooting of a graphic design computer; explain photography and graphic elements; complete a photography project that meets the needs of an audience; and use photo editing software to create and edit a product for a computer.

#### **Graphic Design II**

Grade: 9, 10, 11, 12	Prerequisite: Graphic Design I
Credit: ½	Term: 1

This course is offered after students have successfully completed Graphic Design I. In this course, students will apply color theory and design principles; and understand typography and layout design. They will apply design principles and techniques in the creation of an advertisement; utilize advanced image manipulation and page layout to create a brochure; and create a newsletter layout with advanced editing. In addition, students will research careers, and develop a professional portfolio.

\*Individual schools may add other courses to the programs of study if the courses are listed in the Approved Courses for the Secondary Schools 2021-2022 approved by the Mississippi Department of Education. Dual Enrollment/Credit courses will also be offered.

### **Courses offered at the LEE CTE Center**

Advanced Manufacturing I (991710)

Grade: 10, 11, 12	Prerequisite: "C" or above in last English & Math
Credit: 2	Semester(s): 2

Material covered in this course includes employability skills, safety, construction math and drawings, materials handling, tools, and more. This course also emphasizes the fundamentals necessary for a career in the advanced manufacturing field, including an introduction to fabrication, welding, and assembly.

#### Advanced Manufacturing II (991711)

Grade: 11, 12	Prerequisite: Advanced Manufacturing I & Instructor Approval
Credit: 2	Semester(s): 2

Material covered in this course includes precision measurement, circuits, electronics, hydraulics, and pneumatics. This course also covers more advanced segments of advanced manufacturing, such as programmable logic controllers and robotics. Along with some employability skills, the students will finish the course with a large amount of time spent doing assembly simulation in real-world applications.

#### Agricultural and Natural Resources I (991100)

Grade: 10, 11, 12	Prerequisite: "C" or above in last English, Math, Science
Credit: 2	Semester(s): 2
The first source is designed to introduce the student to fundamental concents and principles of	

The first course is designed to introduce the student to fundamental concepts and principles of the modern agricultural and natural resources industry. Emphasis is placed on career and leadership skills; basic principles of plant, animal, and soil science; and basic mechanical technologies in the field.

#### Agriculture and Natural Resources II (991101)

Grade: 11, 12	Prerequisite: Agriculture and Natural Resources I & Instructor Approval
Credit: 2	Semester(s): 2

The second course is designed to continue the exploration of fundamental concepts and principles associated with agriculture and natural resources. Emphasis is placed on the conservation and management of natural resources; agricultural business management practices; and the environment as it relates to water quality, forestry, and wildlife. Instruction is provided on basic agriculture construction techniques and agriculture business management and processes.

#### Culinary Arts I (996000)

Grade: 10, 11, 12	Prerequisite: "C" or above in last English & Math
Credit: 2	Semester(s): 2

The foundational skills necessary in the foodservice industry are included in Culinary Arts I. This course emphasizes the real-world, hands-on practice of food preparation. Food preparation techniques included in this course include breakfast foods, dairy, and sandwiches; fruits, vegetables, salads, and garnishes; and potatoes and grains. Students will also prepare to take the NRA's ServSafe exam to become ServSafe Food Safety certified.

#### Culinary Arts II (996001)

Grade: 11, 12	Prerequisite: Culinary Arts I & Instructor Approval
Credit: 2	Semester(s): 2

Culinary Arts II emphasizes the hands-on practice of food preparation. The food preparation techniques in this course include desserts and baked goods; meat, poultry, and seafood; and stocks, sauces, and soups. This course also places emphasis on an internship experience.

#### Construction I (993101)

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Grade: 10, 11, 12	Prerequisite: "C" or above in last English & Math		
Credit: 2	Semester(s): 2		

The Construction course introduces students to fundamentals of construction safety, tools, math, and blueprint reading, as well as basic carpentry, electrical, masonry, and plumbing skills.

#### Construction II (993110)

Grade: 11, 12	Prerequisite: Construction Core & Instructor Approval
Credit: 2	Semester(s): 2

The Carpentry course consists of an in-depth study of basic safety, construction math, materials, wall, ceiling, and roof framing; windows and doors; and construction essentials. This one-Carnegie-unit course should only be taken after students successfully pass Construction Core.

#### Health Science Core - Year 1 (995100)

Grade: 10, 11, 12	Prerequisite: "C" or above in last English, Math, & Science	
	Passing score on the Biology I State Test	
Credit: 2	Semester(s): 2	

The Health Sciences (Core) course introduces students to the theory and practical applications of tasks related to employment in the field of health science. Students will cover topics such as safety in the workplace, infection control, health care systems, and the vital organs of the human body. The course offers insight into careers in health care.

#### Healthcare and Clinical Services - Year 2 (995101)

Grade: 11, 12	Prerequisite: Health Science Core & Instructor Approval	
Credit: 2	Semester(s): 2	
The Healthcare and Clinical Services course halps the student establish incident in the healthcare		

The Healthcare and Clinical Services course helps the student establish insight in the healthcare field. Students will be exposed to the theory and applied tasks related to careers within health care. This course covers topics such as human growth and development, health informatics, information technology, and therapeutic and rehabilitative services.

#### HVAC I (993020)

Grade: 10, 11, 12	Prerequisite: "C" or above in last English & Math	
Credit: 2	Semester(s): 2	

HVAC I (Heating, Ventilation and Air-Conditioning) is an emphasis on Heating, Ventilation, and Air-Conditioning. Topics include employability skills, safety, construction math, construction drawings, materials handling, copper and piping, soldering and brazing, and basic electricity.

#### HVAC II (993021)

Grade: 11, 12	Prerequisite: HVAC I & Instructor Approval	
Credit: 2	Semester(s): 2	

HVAC II (Heating, Ventilation and Air-Conditioning) is an emphasis on Heating, Ventilation, and Air-Conditioning. Topics include employability skills, safety, carbon steel piping, introduction to cooling, introduction to heating, air distribution, leak detection evacuation recovery and charging, alternating current, and basic electronics. The course should be taken after the student has successfully completed HVAC I.

#### **Unmanned Aerial Systems I (235100)**

Grade: 10, 11, 12	Prerequisite: "C" or above in last English & Math	
Credit: 2	Semester(s): 2	

This course is in the STEM cluster for students interested in pursuing careers in the growing UAS field. Skills stemming from this pathway include electronics, avionics, aerospace science, GIS, airspace regulations/law, maintenance, mission planning, and flight control (manual and autonomous). Skills acquired in this course will be applicable in many industry sectors to include: military, agriculture, engineering, law enforcement, emergency management, forestry, real estate, marketing, and transportation.

#### **Unmanned Aerial Systems II (235110)**

Grade: 11, 12	Prerequisite: UAS I & Instructor Approval	
Credit: 2	Semester(s): 2	

This course teaches more advanced UAS skills. It includes fixed wing flight, capturing and editing video, and a capstone project.

#### Educator Prep I (996300)

Grade: 10, 11, 12	Prerequisite: "C" or above in last English & Math	
Credit: 2	Semester(s): 2	

Educator Prep I is an entry-level course. Students gain foundation competencies related to students as learners, planning and assessing teaching, teaching strategies, and communication skills. Students receive hands-on field experiences.

#### Educator Prep II (996301)

Grade: 11, 12	Prerequisite: Educator Prep I & Instructor Approval	
Credit: 2	Semester(s): 2	

Educator Prep II provides students with the opportunity to gain advanced skills needed to enhance them as learners, teachers, and communicators. Students receive advanced hands-on field experiences.

#### WBL offered at all three high schools:

#### Work-Based Learning I & II (CC: 995010, 995011)

(Formerly CPE/COOP) Work-Based Learning is a joint effort of the school, business and industry, and the community. The goal of WBL is to provide worksite learning for students in grades eleven and twelve who have a clearly defined career objective. Essential elements of WBL are work-site training, training agreements, training plans, screening of students, paid employment, monitoring the field experience, and program accountability evaluations.

The program is subject to work ethic, discipline and attendance review prior to enrolling. If the request to enroll is greater than the availability, other factors are considered. In order to maintain eligibility for this program, each student must be employed on a continuous basis for the time they are enrolled in the class.

Students enrolled in this course during their 11th and 12th grade years can substitute one WBL credit for the College and Career Readiness (CCR) credit required for graduation. Credit earned

in this course satisfies the WBL requirement option for the Career and Technical Diploma endorsement.

Carnegie Units are earned based on the number of documented hours worked.

Work-Based Learning (WBL) Credits

WBL Hours Obtained	Credits Earned
70 – 139	0.5
140 – 279	1
280 and above	2

#### Prerequisite:

- CTE Students (1st Priority)
- Seniors who have completed a 2-year CTE Program or Seniors currently enrolled in a CTE Program
- Student must have a job prior to enrolling with a valid driver's license
- 16 years of age or older by August 1 of the school year

Or

- Juniors and Seniors NOT enrolled in CTE
- "C" or above in English
- "C" or above in Pre-Algebra
- 8th Grade Reading Level
- Student must have clearly defined career objectives on Individual Success Plan (ISP)
- Student must have a job prior to enrolling with a valid driver's license 16 years of age or older by August 1 of the school year