NESHOBA COUNTY SCHOOL DISTRICT

Secondary Course Guide

Neshoba County School District

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*The vision of the NCSD is for all students to graduate college and career ready with courses, certifications, and external opportunities beyond a high school diploma.

*The courses listed in this guide are for informational purposes only. NCHS will offer and teach classes based on graduation requirements, courses requested and staff availability.

Graduation Requirements

Traditional Diploma (24 credits)

Beginning school year **2018-2019 and thereafter**, all entering ninth graders will be required to meet the Traditional Diploma guidelines as outlined below. Students planning to go directly to a four year university must also meet IHL entrance requirements. The only exception to the traditional diploma will be for students with a Significant Cognitive Disability as outlined on their IEP.

Curriculum Area	Carnegie Units	Required Subjects
English	4	English I, II, 2 other English Credits
Mathematics	4	Algebra I and 3 other math credits
Science	3	Biology I and 2 other science credits
Social Studies	3 ½	½ Mississippi Studies 1 World History 1 U.S. History ½ U.S. Government ½ Economics
Physical Education (or equivalent)	½	½ Physical Education (Participation in choir, band, ROTC or a sport also meets this requirement)
Health	½	½ Comprehensive Health, or ½ Family and Individual Health
Arts	1	One unit of fine arts credit is required
College and Career Readiness	1	College and Career Ready Course-11th grade
Technology or Computer Science	1	
Additional Electives	5 ½	
Total Units Required	**24**	

MDE Additional Requirements:

*All students must pass the end of course tests as mandated by the State Department of Education. Tests must be passed in: Algebra I, Biology I, English II, and US History.

*Students should identify an endorsement area prior to entering 9th grade.

*For early release, students must meet MDE early release requirements listed later in this guide.

Career and Technical Endorsement (26 credits)

Curriculum Area	Carnegie Units	Required Subjects
English	4	English I, II, 2 other English Credits
Mathematics	4	Algebra I and 3 other math credits
Science	3	Biology I and 2 other science credits
Social Studies	3 ½	½ Mississippi Studies 1 World History 1 U.S. History ½ U.S. Government ½ Economics
Physical Education (or equivalent)	½	½ Physical Education (Participation in choir, band, ROTC or a sport also meets this requirement)
Health	½	½ Comprehensive Health, or ½ Family and Individual Health
Arts	1	One unit of fine arts credit is required
College and Career Readiness	1	College and Career Ready Course-11th grade
Technology or Computer Science	1	
CTE Electives	4	Must complete a four-course sequential program of study.
Additional Electives	3 ½	
Total Units Required	**26**	

Additional Requirements:

- Earn an overall GPA of 2.5
- Earn Silver level on ACT Work Keys
  - The ACT WorkKeys National Career Readiness Certificate (ACT WorkKeys NCRC®) is an **assessment**-based credential issued at four levels; **Platinum**, **Gold**, **Silver**, and Bronze. The NCRC measures and certifies the essential work skills needed for success in jobs across industries and occupations. **Silver** Signifies an individual has scored at least a **Level** 4 on each of the three assessments.
- Earn two additional Carnegie Units for a total of 26
- Must successfully complete one of the following:
  - -One CTE dual credit or articulated credit
  - -Work-Based Learning experience or Career Pathway Experience
  - -Earn a State Board of Education approved national credential

Academic Endorsement (26 credits)

Curriculum Area	Carnegie Units	Required Subjects
English	4	English I, II, 2 other English Credits
Mathematics	4	Algebra I and 3 other math credits
Science	3	Biology I and 2 other science credits
Social Studies	3 ½	½ Mississippi Studies 1 World History 1 U.S. History ½ U.S. Government ½ Economics
Physical Education (or equivalent)	½	½ Physical Education (Participation in choir, band, ROTC or a sport also meets this requirement)
Health	½	½ Comprehensive Health, or ½ Family and Individual Health
Arts	1	One unit of fine arts credit is required
College and Career Readiness	1	College and Career Ready Course-11th grade
Technology or Computer Science	1	
Additional Electives	7 ½	Must meet course requirements for MS IHL entrance
Total Units Required	**26**	

Additional Requirements:

- Earn an overall GPA of 2.5
- Courses must meet MS IHL college prep curriculum requirements
- Earn IHL and Community College Readiness benchmarks (ACT 17 English and 19 math)
- Earn two additional Carnegie units for a total of 26
- Must successfully complete one of the following:
  - One AP course with a C or higher and take the appropriate AP exam
  - One academic dual credit course with a C or higher in the course

Distinguished Academic Endorsement (28 credits)

Curriculum Area	Carnegie Units	Required Subjects
English	4	English I, II, 2 other English Credits
Mathematics	4	Algebra I and 3 other math credits
Science	4	Biology I and 3 other science credits
Social Studies	4	½ Mississippi Studies 1 World History 1 U.S. History ½ U.S. Government ½ Economics
Physical Education (or equivalent)	½	½ Physical Education (Participation in choir, band, ROTC or a sport also meets this requirement)
Health	½	½ Comprehensive Health, or ½ Family and Individual Health
Arts	1	One unit of fine arts credit is required
College and Career Readiness	1	College and Career Ready Course-11th grade
Technology or Computer Science	1	
Additional Electives	8	Must meet course requirements for MS IHL entrance
Total Units Required	**28**	

Additional Requirements:

- Earn an overall GPA of 3.0
- Courses must meet MS IHL college prep curriculum requirements
- Earn national college readiness benchmarks (ACT 18 English and 22 math)
- Earn four additional Carnegie units for a total of 28
- Must successfully complete one of the following:
  - One AP course with a B or higher and take the appropriate AP exam
  - One academic dual credit course with a B or higher in the course

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The Arts

Course	***Course Description***
Art ***(500704)***	Students will study the Elements of Design: Line, Shape, Form, Color, Texture and Space and the Principles of Design along with Rhythm, Emphasis, Movement, Pattern, Unity, Balance, and Contrast in detail along with videos. Students will learn primary, secondary, and complimentary colors along with many tasks or art. Drawing, cutting, arranging, constructing, sorting, folding, bending, modeling, coloring, painting, scribbling, and tearing. Students will learn how art, school, and the environment coincide and how art is spread throughout our homes, towns and counties. Students will study artists and explore their lives as artists. (Grades 11-12, 1 credit)
Band ***(509901)***	Band gives the student the opportunity to develop instrumental musical skills and to acquire a deep appreciation for music. Band is offered during the regular school day. Students will perform in parades, school concerts, and band festivals. Instrumental music education is offered to qualified and interested students. Students are exposed to various types of band literature. (Grades 9-12, 1 credit)
Choral Music ***(500939)***	Choral Music provides students experiences in listening to, analyzing, describing, creating, and evaluating music within the constraints of the choral rehearsal situation. Students are offered the opportunity to develop talent and express their creativity through choral ensemble, and solo performances. Students are exposed to music literature of all periods and styles. Participation in Choral Music is by Audition. (Grades 9-12, 1 credit)
General Music ***(500971)***	This course includes study of music appreciation, music literature, and music in relation to other art disciplines. Students may pursue music learning through a variety of means – cooperative learning, group activities, thematic studies, lecture, choral or instrumental performances, and use of technology applications. It exposes students to all types of music from ancient music to today's popular hits. (Grades 9-12, 1 credit)

Jazz Band ***(500926)***	This course is designed as a supplemental ensemble to the concert band. This class will serve as an introduction to the rich history of Jazz music. Through ensemble rehearsal, individual practice, and a variety of performance opportunities, the student will gain an understanding and appreciation for this art form. Students must have permission from the band director to sign up for this class. (Grades 9-12, 1 credit)
Theatre I	This course will explore the relationships of theatre history, structure, literature, acting, producing, and critiquing. (Grades 9-12, 1 Credit)
Theatre II	This course continues to explore the theatrical process as an art form. Students will concentrate on designing, creating, and performing. (Grades 9-12, 1 Credit) Prerequisite: Theatre I

Dual Credit ***Music Appreciation-3 Hours*** ***(William Carey University)***	This course is designed to give the student an understanding and appreciation of music as a moving force in Western Culture. Students will receive 3 hours of college credit and 1 credit at NCHS. (Grade 12, 1 semester, 1 credit) **3.0 GPA and a minimum of 14 credits to enroll.**

Drivers Education

Driver Education ***(340151)***	Students must be at least 15 years of age by the last day of the current semester in order to qualify; (social security card & birth certificate). The program includes three phases: Classroom instruction, driving simulation, and behind-the-wheel- driving. **Student must have permit prior to entering the course**. **Course may only be attempted once**. (Grades 10-12, ½ credit)

NAVY JUNIOR RESERVE TRAINING CORPS COURSE DESCRIPTION

Course	***Course Description***
JROTC Naval Science I (280311)	Students will study: Leadership, Sea Power Concepts, Naval Ships, First Aid, Military Drill and Fitness, NJROTC Field Manual, Naval Orientation, Naval Operations, Orienteering, Health and Hygiene. (Grade 9, 1 credit)
JROTC Naval Science II (280312)	Students will study: Maritime History, Nautical Sciences, Physical Fitness, Leadership and Military Drill. Must pass Naval Science I with a 75 or above average. (Grade 10, 1 credit)
JROTC Naval Science III (280313)	Students will study: Leadership, Sea Power, National Security, Marine Navigation, Naval Operations, Intelligence and Communications, Ship Construction and Damage Control, Rules of the Road and Maneuvering Board, International Law and the Sea, Military Law, Military Drill, Physical Fitness, Basic Seamanship, Shipboard Organization and Watch Standing, Naval Weapons and Aircraft. Must pass Naval Science II with a 75 or above average. (Grade 11, 1 credit)
JROTC Naval Science IV (280314)	Students will study: Fundamentals of Leadership, Effective Communications, Military Drill, College Prep/Resume Writing, The Responsibilities and Qualities of Leadership, Physical Fitness. Must Pass Naval Science III with a 75 or above average. (Grade 12, 1 credit)

Health and Physical Education

Course	***Course Description***
Health (200140)	Health provides information on topics related to modern day life for teenagers. Terminology, mechanisms, and consequences of health- related choices are explored. (Grades 9-12, ½ credit)

Physical Education ***(340133)***	Physical education provides instruction on basic movement techniques, team and individual sports, rhythms, and low impact exercise activities. (Grades 9-12, 1 semester, ½ credit or 1 credit)
Basketball, Football, Track and Field, Softball, Baseball, Tennis, Soccer, Golf, Bowling ***(340133)***	These courses have various tryouts/requirements that must be met for participation. Further information will be given out by the coach of each sport.

College and Career

College and Career Readiness Course (110410)	This course introduces students to College- and Career-Readiness, college selection and transition, applying for financial aid, preparing for a career and internship, financial literacy, community service, and digital literacy and citizenship. ***Note: JROTC III & JROTC IV count as substitutes.*** (1 credit)

Mathematics

Courses	***Course Description***
Foundations of Algebra (270390)	The primary purpose of the Foundations of Algebra course is to provide a basis for curriculum development for rising 9th grade students in need of substantial support prior to taking Algebra I. The content of the Foundations of Algebra 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 the Grade 8 and key skills that will be introduced in Algebra I. 9th Graders with an average below 85 will take this class. (Grade 9, 1 credit)
Algebra I (270404)	Required – Algebra I provides a foundation in the language, basic skills and concepts of algebra. The Algebra I state test is required for graduation. 9th graders with an average of 85 of higher will take Algebra I. (Grades 9-10, 1 credit)
Geometry (270408)	Required – Geometry is the development of logical mathematical system from a set of undefined terms, defined terms, axioms, postulates, and theorems. It provided a graphical and visual representation of the mathematical world around us. (Grades 9-10, 1 credit)
Algebra II (270405)	This course is a continuation and extension of skills developed in Algebra I. The genre of functions expands to include polynomials, exponential, rational, and radical examples. Attention is given to inverses, compositions of functions, and families of graphs. (Grades 10-12, 1 credit)
Algebra III (270441)	This course includes the study of trigonometry and pre-calculus. Student must have passed Algebra II. (Grades 11-12, 1 credit)
AP Calculus (279909)	This course deals with finding properties of derivatives and integrals of functions. Student must have passed Algebra III. (Grade 12, 1 credit)

Essentials for College Math ***(270715)*** ***SREB Math Ready*** ***(270740)***	The Southern Region Education Board (SREB) Math Ready Course is designed to assist students who are in need of a fourth year mathematics preparatory course prior to entering college. This course is best suited for students who have not mastered skills needed for Advanced Placement courses. The course is built with rigor, innovative instructional strategies, and a concentration on contextual learning that departs from procedural memorization and focuses on engaging the students in a real-world context. In short, this course targets students with weaknesses and college-ready skill gaps and reeducates them in new ways to ensure they are prepared for postsecondary-level mathematics. (Grade 12, 1 credit)

Dual Credit College Algebra ***(ECCC)-3 Hours***	This course includes inequalities; functions; linear and quadratic; equations, circles, and their graphs; rational, radical, and higher-order equations; applications; polynomial and rational functions; logarithmic and exponential functions; systems of equations. Students will receive credit at both NCHS and 3 hours of college credit. **ACT of 19 or above on the Math sub score of the ACT plus 3.0 GPA and a minimum of 14 credits.** (Grades 11-12, 1 credit)
Dual Credit College Trigonometry ***(ECCC-3 Hours)***	This course includes trigonometric functions and their graphs; trigonometric identities; functions of composite angles; fundamental relations; trigonometric equations; radian measurement; solutions of right and oblique triangles; inverse trigonometric functions; applications. Students will receive credit at both NCHS and 3 hours college credit. **Must pass DC College Algebra with a "C" or better without the weight to enroll.** (Grades 11-12, 1 credit)

Foreign Languages

Course	Course Description
Spanish I ***(160933)***	Basic Spanish grammar is emphasized and practiced in the area of listening, speaking, reading and writing. An overview of Spanish culture, and geography of Spanish-speaking culture and geography is stressed. (Grades 9-11, 1 credit)
Spanish II ***(160934)***	85 or above in Spanish I. In this course the fundamental vocabulary from Spanish I is reinforced and enriched. More detailed knowledge of Spanish culture and geography of Spanish-speaking countries are stressed. More complex grammatical structure is studied. (Grades 10-12, 1 credit)
Spanish III ***(160935)***	This course is a continuation of the study begun in Spanish II. Emphasis is placed on applying grammatical structures in order to communicate effectively. Students also study contemporary Spanish Culture and Spanish literature. Completion of Spanish I & 2 are required. (Grades 11-12, 1 credit)

Social Studies

Course	Course Description
Mississippi Studies ***(450705)***	Required. Mississippi studies is designed to foster appreciation for the state and its culture. The student will understand and develop an appreciation for the geography, history, government, literature, art, and music that contributed to the development of Mississippi as a state. (Grade 9, ½ credit)
Introduction to World Geography ***(450704)***	Required. The World Geography course is designed to provide students with basic geographic content and skill. The course requires that students focus on understanding systems and processes that produce the features and patterns that lie on Earth's surfaces and appear on maps and globes. (Grade 9, ½ credit)

World History: Enlightenment to Present ***(450835)***	Required. This World History course focuses on the development, connections, and global influences of eastern Hemisphere. Students will acquire an understanding of change over time, analyze primary and secondary sources, make written and oral arguments based on evidence in support of a defined thesis, and develop a command of major geographic features. (Grades 9-10, 1 credit)
Problems in American Democracy ***(451017)***	American Democracy provides students with the background necessary to discuss, analyze, and take action on important social, technological, political, and economic issues facing our democratic form of government. The course is designed to help young people fulfill their responsibilities as citizens. (1/2 credit, Grades 10-12)
United States History: Post-Reconstruction to Present ***(450811)***	Required. The course uses thematic units based on interwoven social, political, economic, and geographic changes in the United States from 1877 to the present. The required state exit exam will be given in the spring. Students must pass this exam to graduate. (Grade 10-11, 1 credit)
Psychology ***(420111)***	This course focuses on the history, advances in technology and both internal and external influences that affect human mental development. Students will learn various elements of human behavioral development. (Grade 10-12, ½ credit)
Sociology ***(451121)***	Sociology engages in the study of people and their life in groups. This will be done by examining how people behave in groups and how interactions shape both individual and group behaviors. The analysis of the rules, organizations, and value systems that enable people to live together will also be examined. (Grade 10-12, ½ credit)
Humanities ***(300411)***	The Humanities course is designed to enable students to be ready for United States History from Post-Reconstruction to Present. As such, students will study United States History from Post-Reconstruction to Present framework, examine the major turning points in American history from the period following Reconstruction throughout the Twentieth Century and entering into the new millennium. (Grade 10, ½ credit)

United States Government (451004)	Required. This course will provide students with an understanding of civic life, politics, and the constitutional process. It will also provide a basis for understanding the rights and responsibilities of citizens and a framework for competent and active participation. (Grade 12, ½ credit)
Economics (450601)	Required. Economics provides an awareness of the relationship of world economic systems. The student will study the American economic system and its impact of the system in a global setting. Students will develop an understanding of microeconomics and macroeconomics from individual finances to world economic organizations. (Grade 10, ½ credit)
Law Related Education (220101)	The course is designed to study the importance of the law in a student's life. A greater awareness of local, state, and federal law should be gained by students. The roles, rights, and responsibilities of students should be discussed in the course. The content is expected to be taught by infusing social studies skills into the pedagogy of the course. These skills should include, but are not limited to: acquiring an understanding of change over time, distinguishing between primary and secondary sources, and analysis of primary sources, reading different sources critically and making arguments in written and oral form based on evidence in support of a clearly defined thesis. (Grade 10-12, ½ credit)
Advanced Placement World History (450836)	This course is a year-long trip through history of the world beginning around 8,000 years ago to present day. AP World History is a college level course that requires students to make connections and develop historical thinking skills. Document based essays, comparative essays, continuity and change overtime essays, and short answer question are all part of this curriculum. Students must have a 90 or above in previous social studies class. (Grades 9-10, 1 credit)
Dual Credit American History I (ECCC)-3 Hours ***Dual Credit American History II (ECCC)-3 Hours***	**American History I** is a survey of American History to 1877. **American History II** is a survey of American History from 1877 until modern times. Student will receive 1 credit at NCHS and 3 hours college credit for each class. 3.0 GPA and minimum of 14 credits to enroll. Student must pass American History I with a "C" or above without the weight to enroll in American History II. (Grades 11-12, 1 credit each class)

Consumer Science

Course	***Course Description***
Child Development	Child Development is a course that develops skills related to physical, social, intellectual, and emotional development of the child. It includes instruction on considerations for parenthood, prenatal care, child growth and development, behavior management, needs of exceptional children, and career opportunities, (Grade 10-12, ½ credit)
Family Dynamics	Family Dynamics is a course that develops skills related to personal, family, and social issues. It includes instruction in dimensions of adolescent development, family decisions and responsibilities, social decisions and responsibilities, an management of family systems in today's society. (Grade 10-12, ½ credit)
Nutrition and Wellness	Nutrition and Wellness is a course that develops skills related to proper nutrition, exercise and diet, healthy food choices, meal preparation, and components for a healthy lifestyle. (Grade 10-12, ½ credit)
Resource Management	Resource Management is a course that addresses the identification and management of personal resources and family finances to meet the needs and wants of individuals and families throughout the life cycle, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. (Grade 10-12, ½ credit)

Science

Course	***Course Description***
Foundations Of Biology (260628)	This course is designed to provide the skills needed to be successful in Biology. This course cannot be taken after a student has completed Biology. Content includes processing skills in science, the scientific method, and introduction to chemistry of the cell, ecology, and genetics. 9th graders with an average below 85 in 8th grade science must enroll in Foundations of Biology. (Grade 9, 1 credit)

Biology I ***(260131)***	Required. This course provides both general and detailed studies of the natural world in order to instill in students an awareness of biological concepts. The content includes all competencies necessary to be successful on the Biology state exit exam. 9th graders must have 85 average in 8th grade science to enroll in Biology I. Passage of this state test is required for graduation. (Grade 9-10, 1 credit)
Physical Science ***(400700)***	This course is designed as a general survey of physics and chemistry. Topics emphasized in this class include mechanical waves, electromagnetic waves, and energy. This is a lab based class. (Grades 10-12, 1 credit)
Environmental Science ***(260611)***	Environmental science is a lab-based or field –based 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. Must have passed Biology to enroll. (Grade 10-12, ½ credit)
Human Anatomy & Physiology ***(260751)***	This course is designed to provide accurate information on the structure and function of the human body. Each of the body systems and their relationship to each other will be covered. Must have passed Biology to enroll. (Grade 10-12, 1 credit)
Marine and Aquatic Science I ***(260625)*** ***Marine and Aquatic Science II*** ***(260626)***	Marine and Aquatic Science I and II are courses that investigate the biodiversity of salt water and fresh water organisms, including their interactions with the physical and chemical environment. The special characteristics of aquatic resources should also be examined. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. Must have passed Biology to enroll. Marine and Aquatics I must be taken and passed before a student can attempt Marine and Aquatics II. (Grade 10-12, ½ credit each class)

Earth and Space Science ***(260629)***	Earth and Space Science is an introductory course designed to explore the Earth and Universe. Topics include the composition of the Earth, weathering, plate tectonics, fossils, oceanography, atmospheric phenomena, the water cycle, and planetary and star systems. Laboratory activities, the use of technology, and the effective communication of results through various methods are integral components of this course. (Grade 10-12, 1 credit)
Chemistry ***(400519)***	Chemistry provides opportunities for students to develop and communicate an understanding of structure, physical and chemical properties, and chemical change. Concepts covered in this course include properties of matter, measurement and use of the International System of Measurement applied to mathematical operations, atomic theory, bonding, periodicity, nomenclature, equations and reactions, stoichiometry of aqueous solutions, thermodynamics, kinetics, equilibrium, oxidation-reduction and electron chemistry, nuclear chemistry, and organic chemistry. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. Must have passed or be enrolled in Algebra II before taking this class. (Grade 10-12, 1 credit)
Physics ***(400820)***	Good math and science processing skills are needed to be successful in this course. Physics provides opportunities for students to develop and communicate an understanding of matter and energy through lab-based activities, mathematical expressions, and concept exploration. Concepts covered in this course include kinematics, dynamics, energy, mechanical and electromagnetic waves, and electricity. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. Must have passed or be enrolled in Algebra II before taking this class. (Grades 11-12, 1 credit)

Zoology I ***(260701)*** ***Zoology II*** ***(260697)***	These courses survey the nine major phyla of the Kingdom Animalia. Morphology, taxonomy, anatomy, and physiology are investigated. Comparative studies are addressed during laboratory observations and dissections. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. Must have passed Biology to enroll. Students must pass Zoology I before taking Zoology II. (Grade 10-12, ½ credit for each class)
Dual Credit Biology I ***(ECCC)-4 Hours*** ***Dual Credit Biology II*** ***(ECCC)-4 Hours***	**General Biology I** is lecture and lab course for science majors that include study of the scientific method, chemistry relevant to biological systems, cell structure and physiology, cell processes including photosynthesis and cellular respiration, cell division, genetics, and molecular genetics. **General Biology II** is a lecture and lab course for science majors that reinforces concepts introduced in General Biology I, while emphasizing the diversity of life. Topics covered include adaptation by natural selection, classification, ecology, detailed consideration of each group of organisms and viruses, study of animals and plant including their basic anatomy and physiology. Student will receive 1 credit at NCHS and 4 hours college credit for each class. 3.0 GPA and minimum of 14 credits to enroll. Students must pass DC Biology I with a "C" or higher without the weight to enroll in Biology II. (Grades 11-12, 1 credit each class)
Dual Credit Microbiology ***(William Carey University)*** ***4 Hours***	The role of microorganisms in nature, health, food preservation, and industry is considered. Basic techniques of culturing, aseptic technique, and staining are taught in the laboratory. Student will receive credit at NCHS and (Grades 11-12, 1 credit)
AP Chemistry	AP Chemistry is an introductory college-level chemistry course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four Big Ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. (Grades 11-12)

English

Course	***Course Description***
English I ***(230107)***	Required. Provides a year-long program of interrelated language skills with study in the areas of reading, writing, spelling and vocabulary. Includes a study of literature, creative writing, and introductory research skills. (Grade 9, 1 credit)
English II ***(230110)***	Required. Instruction includes vocabulary development, critical reading to comprehend, respond to, interpret, and evaluate various types of literature; researching and writing in a variety of formats and standard English grammar. The course is also designed to prepare students to be successful on the English II exit test, required for graduation. (Grade 10, 1 credit)
English III ***(230113)***	Required. This course is a study of American literature in a variety of genre which explores the cultural contributions of historical time periods. Students will produce writing which reflects effective communication skills through the appropriate use of grammar, punctuation, and sentence structure with special emphasis on formal writing and detailed research project. (Grade 11, 1 credit)
Essentials for College Literacy ***(230185)***	The courses were designed to help college-bound students reach their state's college and career-readiness benchmarks before high school graduation. The Readiness Courses are designed to assist students who are preparing for postsecondary education—meaning they do not reach the state's college- and career-readiness benchmarks on either the ACT, SAT, or other assessment—to become prepared and reach those benchmarks. Students with an ACT sub-score in English of 15-18 are highly encouraged to take this class. (Grade 12, 1 credit)

Advanced Placement ***English Language and Composition III*** ***(230117)***	The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods. 85 average or above in English II and pass the English II State Assessment to take this class. Mandatory summer reading list is required. (Grade 11, 1 credit)
Dual Credit ***English Composition I*** ***(ECCC)*** ***3 Hours***	**English Composition I** stresses effective writing through the study of the elements of composition with emphasis on the essay. Three essays are required (compare and contrast, cause and effect, and problem and solution). Students will receive credit at both NCHS and 3 hours of college credit. ACT of 17 or better on English portion of the ACT, 3.0 GPA and a minimum of 14 credits to enroll in this class. (Grade 11-12, 1 semester, 1 credit)
Dual Credit ***English Composition II*** ***(ECCC)*** ***3 Hours***	**English Composition II** is the continuation of English Comp I with emphasis on research and composition. Readings, essays, and a research project are required. Students will receive credit at both NCHS and 3 hours of college credit. Students must pass DC Composition I with a "C' or higher without the weight to enroll in DC Composition II. (Grade 11-12, 1 semester, 1 credit)
Dual Credit ***Public Speaking I*** ***(ECCC)*** ***3 Hours***	This course is the study and practice in making speeches for a variety of public forums. Major emphasis is placed on effective speech preparation and delivery. Prerequisite: Completion of ENG 1113 with a grade of "D" or better, or ACT English Score 17. Three lecture hours. Three hours credit.
Dual Credit ***World Literature I*** ***(William Carey University)*** ***3 Hours***	**World Literature I** surveys texts representative of global, historical, and cultural diversity from the ancient world through the early modern world. Students must pass DC Composition I & II with a "C' or higher without the weight to enroll. (Grade 12, 1 semester, 1 credit); Prerequisite: English Composition I

Oral Communication ***(231010)***	This course is designed to acquaint students with all aspects of communication. This includes studies of interpersonal, non-verbal, and business communication, drama, group communication, debate and public speaking. (Grade 9-12, ½ credit)
Foundations of Journalism ***(270603)***	This course is intended as a general course to enhance students' communication and media literacy skills and to help students produce a factual, journalistically – sound piece of writing from interviews they conducted. Students will be able to create at least one accompanying visual element (photo/video) and publish their work (story = visual) to the web. May only be taken by approval of the Yearbook Sponsor. (Grade 9-12, 1 credit)
Creative Writing ***(230511)***	The Creative Writing course will provide the student practices in the processes of composing poems, personal descriptive and narrative essays, and short fiction. The course affords an opportunity for self-expression, promotes critical thinking, expands the imagination, and develops the use of figurative and literal language. The student will pursue an independent project in creative writing. (Grades 9-12, ½ credit)
Mississippi Writers ***(230761)***	The Mississippi Writers course focuses on the state's rich literary heritage through the study of poetry, fiction, nonfiction, and drama. The student will recognize the contribution of Mississippi writers, such as William Faulkner, Eudora Welty, Richard Wright, Willie Morris, Anne Moody, etc., to twentieth century American writing and recognize that Mississippi writing is an expression of a particular place that achieves universality. (Grades 9-12, ½ credit)
ACT Prep I ***(110216)***	ACT Preparation covering all four content areas (Grades 11-12, ½ credit)-**ACT Score of 18-23**

CTE @ Neshoba Central High School

Course	***Course Description***
Introduction to Agriscience ***(029990)***	Intro to Agriculture is the beginning course of a three-year program. This course offers a survey of the sciences involved in the agricultural industry as well as the opportunity to explore basic technical skills such as various forms of welding, torch use, and carpentry. (Grade 10, 1 credit) Course may count as 1 science credit)
Agriculture and Natural Resources I ***(991100)***	Agriculture 1 is a more in-depth course that expands each area of agriculture and introduces a broader range of agricultural science units. This course also entails a more hands-on experience to the technical skills learned in the Ag shop. (Grade 11, 2 credits)
Agriculture and Natural Resources II ***(991101)***	Agriculture II is the final class included in the three-year program and primarily offers a shop-based curriculum with the exception of the Forestry and Environmental units. Students are exposed to metal fabrication, project design with blueprints, equipment maintenance, electrical wiring, and other technical skills in this course. (Grade 12, 2 credits)
Engineering I ***(994000)***	**Engineering I** teaches students the history of engineering and the careers associated with the field. The students will also learn the foundations and fundamentals of engineering and materials, as well as the engineering design process and the steps one follows for successful design planning. Additionally, students are introduced to the advanced concepts of 3-D sketching and modeling with CAD software. The course introduces students to the field of robotics in engineering. It also focuses on several fields of engineering specialization. (Grades 10-11, 2 credits)

Engineering II ***(994001)***	**Engineering II** is a comprehensive course that focuses on the following four systems: electrical, fluid, mechanical, and thermal. It also introduces students to flexible manufacturing systems, or how robotics and drafting work together to create products. Additionally, the course teaches students advanced robotic concepts. Students will also learn valuable workforce readiness skills and prepare for jobs in the field of engineering. This course should only be taken after students successfully pass Engineering I. (Grades 11-12, 2 credits) ***Note: May count as two elective credits or two science credits for graduation. One of the two credits may count as Physics.***
Digital Media Technology I ***(994100)***	**Digital Media Technology I**: Digital Media Technology I encompasses the foundation skills necessary in the digital media industry. Content such as safety, ethical issues and production, photography, graphic design, and print production will be offered to students. The Audio Production and Media Rich Content portion of the course emphasizes real-world, hands-on practice. (Grade 10-11, 2 credits)
Digital Media Technology II ***(994101)***	**Digital Media Technology II**: Digital Media Technology II focuses on the process of video production and editing as well as career opportunities in audio and video technology. Another component of the course is motion graphics. This course should only be taken after students successfully pass Digital Media I. (Grades 11-12, 2 credits) ***Note: One of the two credits earned may count as an Art credit for graduation.***
Work-Based Learning	Students must complete and application for a work-based internship. Students must have the hours signed off by employer each 9 weeks and return to the counselor office. (Grades 11-12, 1 credit)

CTE Courses at the Philadelphia/Neshoba County Career and Technical Center

Course	***Course Description***
Automotive Service Technology I (997000) ***Automotive Service Technology II (997001)***	**Automotive Service Technology**: Career Pathway that prepares students for employment or continuing education in the automotive industry. This program is nationally certified, so students have the opportunity to receive industry certification. **Student must pass Automotive I before taking Automotive II.** (Grades 10-12, 2 credits for each class)
Construction Technology I (993101) ***Construction Technology II (993110)***	**Construction Technology:** Career Pathway that prepares students for employment or continuing education in the occupations of carpentry. This program is accredited with Mississippi Construction Education Foundation. Students will have the opportunity to receive industry certification with NCCER. **Students must pass Construction I before taking Construction II.** (Grades 10-12, 2 credits for each class)
Early Childhood Education I (996200) ***Early Childhood Education II (996201)***	**Early Childhood Education:** Career Pathway that prepares students for employment or continuing education in the early childhood education field. Students participate in field experiences weekly with local day care facilities. **Students must pass Early Childhood I before taking Early Childhood II.** (Grade 10-12, 2 credits for each class)
Health Science I (995100) ***Health Science II (995101)***	**Health Science:** Career Pathway that provides students with an overview of the health-care field as students begin to prepare for careers including registered nurses, nurse aide, practical nurses, etc. This program also explores various occupations within the field of medicine. **Students must pass Health Science I before taking Health Science II. Students may earn 2 science credits**

	upon completion of Health Science II. (Grade 10-12, 2 credits for each class)
Law and Public Safety I ***(990101)*** ***Law and Public Safety II*** ***(990102)***	**Law and Public Safety**: Career Pathway that focuses on the history of law and legal systems in the United States. Students will learn an overview of emergency services and corrections, special topics in law and public safety, emergency management, and professions within the military. **Students must pass Law and Public Safety I before taking Law and Public Safety II.** (Grades 9-12, 2 credits for each class)
Teacher Academy I ***(996300)*** ***Teacher Academy II*** ***(996301)***	**Teacher Academy:** Career Pathway that prepares students for the field of education. Students will be exposed to information and experiences that will prepare them for a career in education. **Students must pass Teacher Academy I before taking Teacher Academy II**. (Grades 9-12, 2 credits for each class)
Introduction to Welding ***(993300)*** ***Advanced Welding*** ***(993301)***	**Welding:** Career Pathway that prepares students for employment or continued education for an occupation in the field of welding. This program is accredited with Mississippi Construction Education Foundation. Students will have the opportunity to receive industry certification with NCCER. **Students must pass Intro. To Welding before taking Advanced Welding.** (Grades 10-12, 2 credits for each class.

East Central Community College

Diesel Equipment Technology

- ***30 hour Career Certificate***
- ***45 Hour Technical certificate***
- ***Associate of Applied Science Degree***

East Central Community College offers the Diesel Equipment Technology program at the former U.S. Motors plant in Philadelphia.

According to recent statistics by the Mississippi Department of Employment Security, experienced diesel technicians in the ECCC area can earn up to $26.12 per hour or $54,324 annually.

The instructional program provides students with competencies required to maintain a variety of industrial diesel equipment, including agricultural tractors, commercial trucks, and construction equipment. It will include instruction in inspections, repair, maintenance of engines, powertrains, hydraulic systems, and other components.

Students can choose to receive a career certificate, technical certificate, or an Associate of Applied Science degree.

Courses taught in the Diesel Equipment Technology program:

Fundamentals of Equipment Mechanics
Electrical/Electronic Systems I, II, III
Hydraulics I
Diesel Systems I, II, III
Preventative Maintenance and Service
Transportation Power Train
Air Conditioning and Heating Systems
Advanced Brake Systems (Air)
Steering and Suspension Systems

	Heavy Equipment Powertrain
PRECISION MANUFACTURING AND MACHINING TECHNOLOGY (MST) ***Career Certificate – 30 hours*** ***MST 1115 - Power Machinery I*** ***MST 1413 - Blueprint Reading*** ***MST 1313 - Machine Tool Mathematics*** ***DDT 1313 - Principles of CAD*** ***MST 1125 - Power Machinery II*** ***MST 1423 - Advanced Blueprint Reading*** ***MST 1613 - Precision Layout*** ***MST 2714 - Computer Numerical Controls I*** ***CSC Elective*** ***Technical Certificate – 45 hours*** ***MST 2134 - Power Machinery III*** ***MST 2144 - Power Machinery IV*** ***MST 2724 - Computer Numerical Control Operations II*** ***MST 2733 - Fundamentals of CAD/CAM*** ***Associate of Applied Science degree – 60/61 hours*** ***Social/Behavioral Science Elective*** ***Humanities/Fine Arts Elective*** ***Written Communication*** ***Oral Communication*** ***College Algebra/Lab-based science***	East Central Community College offers the Diesel Equipment Technology program at the NCSD M & I Center. Precision Manufacturing and Machining Technology is an instructional program that prepares individuals to manufacture precision parts on machines such as lathes, grinders, drill presses, milling machines, and computer numerical control equipment. Included is instruction in making computations related to work dimensions, testing, feeds, and speeds of machines. In addition, individuals use precision measuring instruments such as layout tools, micrometers, and gauges; machining and heat-treating various metals; and laying out machine parts. Also included is instruction in the operation and maintenance of computerized equipment.