



Rankin County School District

TRADITION OF EXCELLENCE

2026 / 2027 Curriculum Guide

RANKIN COUNTY
SCHOOL DISTRICT

CURRICULUM
GUIDE

2026 ~ 2027
School Year

MESSAGE FROM THE SUPERINTENDENT

Administrators, counselors, teachers and all other staff of Rankin County School District are dedicated to providing students a well-rounded curriculum that is designed to produce successful learners while supporting personal, social, and emotional development.

This handbook is provided as a guide for students and parents to use collaboratively as a plan is established for the journey through school that will lead, ultimately, to the goal of securing a productive career. Think about academic and career goals as courses are selected. The district provides a variety of course options for students to access so they can become informed decision makers regarding their own path toward success in the global economy.

Planning is of the utmost importance. It is recommended that parents and students talk at length about anticipated career options and design a course of study that will support the goals set. Personnel are available at the local school to assist the family in making these important educational decisions.

OUR MISSION

*B*ring *E*veryone's *S*trengths *T*ogether! We will all intentionally focus on empowering our students to reach their maximum potential by embracing opportunities and challenges while cultivating a tradition of distinction in education.

EQUAL EDUCATIONAL OPPORTUNITIES

The Rankin County School District grants equal educational opportunities to all qualified persons regardless of race, creed, color, sex, national origin, marital status, religion, or disability.

It is the intent and desire of the Rankin County Board of Education that equal educational opportunities be provided in any and all educational programs and activities.

All inquiries regarding Rankin County School District's nondiscrimination policies, requests for copies of grievance procedures, and filing of grievances should be submitted to the following person:

Mr. Shane Sanders, Superintendent
Rankin County School District
1220 Apple Park Place
Brandon, MS 39042
ssanders@rcsd.ms

LEGAL REFERENCE: *MS Code 37-15-35; 1972 Educational Amendments, Title IX; 1964 Civil Rights Act, Title VI; 1973 Rehabilitation Act, Section 503 & 504; 45 CFR Part 84 and Part 86; Brown vs. Board of Education, 347 U. S. 483 (1954); Mississippi Public School Accountability Standards. JB* 7-11-01*

PUBLIC NOTICE OF NON-DISCRIMINATION IN CAREER AND TECHNICAL EDUCATION PROGRAMS

The Rankin County School District offers Career and Technical Education programs in Agriculture and Natural Resources, Culinary Arts, Educator Preparation, Engineering, Health Science, Law and Public Safety, and Sports Medicine. Students in Grades 10-12 are also offered programs at the Pearl/Rankin Career and Technical Center, depending on program availability. The programs offered at the Pearl/Rankin Career and Technical Center are Architecture and Drafting, Automotive Services, Business/Marketing/Finance, Collision Repair, Construction Core, Culinary Arts, Multimedia, Early Childhood Education, Health Science, Interactive Media Technology, and Welding. Career and Technical Education courses that are offered to high school students on their home campus include Family and Consumer Science, Work-Based Learning, Exploring Computer Science, and Computer Science and Engineering. All grade 7-8 students are offered middle school technology courses on their home campus.

In compliance with federal law, including provisions of Section 504 of the Rehabilitation Act of 1973/Americans with Disabilities Act and Title VI of the Civil Rights Act of 1964, the District does not illegally discriminate on the basis of race, color, national origin, gender, age, or disability, in the administration of its educational policies, programs, and activities, or in employment. Any inquiries regarding compliance should be directed to the following people:

Tracy Yates, Ph.D.
601.825.5590
Rankin County School District Career and Technical Education Director
tra504@rcsd.ms

Anitra Hollis
Director of Human Resources
601.825.5590
District Title IX Coordinator
ahollis@rcsd.ms

Dr. Heather Hines
504 Coordinator
601.825.5590
heather.hines@rcsd.ms

TBA
Pearl/Rankin Career and Technical Center Director
601.936.5535

RANKIN COUNTY SCHOOL DISTRICT BOARD OF EDUCATION

David Dyess | Kym Jamison | Grumpy Farmer

Tommy McCarver | Liza McKinion

Mr. Shane Sanders, Superintendent

Mr. Fred Harrell, Board Attorney

County Office

Rankin County School District
1220 Apple Park Place
Brandon, MS 39042
P. 601.825.5590
F. 601.825.2618



Brandon Zone

Brandon Middle (6-8)
408 S. College Street
Brandon, 39042
P. 601.825.5998
F. 601.825.8402

Brandon High (9-12)
3090 Highway 18
Brandon, MS 39042
P. 601.825.2261
F. 601.591.1037

The Learning Center (K-12)
200 School Road
Brandon, MS 39042
P. 601.824.0334
F. 601.825.2988



Florence Zone

Florence Middle (6-8)
123 Beverly Drive
Florence, MS 39073
P. 601.845.2862
F. 601.845.2114

Florence High (9-12)
232 Highway 469 N.
Florence, MS 39073
P. 601.845.2205
F. 601.845.3752



McLaurin Zone

McLaurin High (7-12)
130 Tiger Drive
Florence, MS 39073
P. 601.845.2247
F. 601.845.1170



Northwest Rankin Zone

Northwest Middle (6-8)
One Paw Print Place
Flowood, MS 39232
P. 601.992.1329
F. 601.992.1347

Northwest High (9-12)
5805 Highway 25
Flowood, MS 39232
P. 601.992.2242
F. 601.992.6005



Pelahatchie Zone

Pelahatchie High (7-12)
213 Brooks Street
Pelahatchie, MS 39145
P. 601.854.8135
F. 601.854.8638



Pisgah Zone

Pisgah High (7-12)
115 Tori Bowie Lane
Brandon, MS 39047
P. 601.829.2825
F. 601.829.1753



Puckett Zone

Puckett High School (7-12)
6382 Highway 18
Puckett, MS 39151
P. 601.825.5742
F. 601.825.9838



Richland Zone

Richland High School (7-12)
1202 Hwy. 49 South
Richland, MS 39218
P. 601.939.5144
F. 601.939.7631

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COLLEGE AND CAREER READINESS

Graduation Requirements

RCS D POLICY IHF - GRADUATION REQUIREMENTS

Students in Rankin County School District shall graduate from this district UTILIZING MISSISSIPPI DEPARTMENT OF EDUCATION (MDE) graduation options listed in the Mississippi Public School Accountability Standards (MPSAS) and by meeting all other requirements as defined by the Mississippi Department of Education. The superintendent or designee shall establish procedures to support this policy. Please refer to the current Rankin County School District Student Handbook for specific information regarding graduation.

Any person who has withdrawn from high school before graduation may be granted a diploma from the Mississippi public high school that the person last attended if the person has:

- Completed all requisite graduation course work requirements and has achieved the equivalent requirements a passing score on an assessment reasonably comparable to the respective assessments that would qualify the person for high school graduation as such assessments existed at the time that the student would have graduated;
- Made a request to the public high school district that the person last attended in Mississippi that includes relevant transcripts of coursework completed.

ADDITIONAL REQUIREMENTS

Each student graduating from a secondary school in the district shall have earned at least two OF THE LAST FOUR CARNEGIE UNITS at the school granting the diploma. No more than four units earned in summer school programs may be counted toward

graduation requirements, with a limit of earning one unit per summer session.

For students entering ninth grade in 2018-19 school year and thereafter:

- Students are strongly encouraged to take a math or science course during the senior year. (MDE recommendation)

For more information regarding the Graduation Requirements for Mississippi students, visit the following site:

MDE Diploma with Endorsements Options

Summer School:

The district offers tuition-based summer school for students in grades 7-12 in courses that award Carnegie unit credit. Most courses are intended for students who need to repeat a subject. In addition, a tuition-based summer school program is available for students in grades 6-8 who fail up to two subjects required for promotion to the next grade.

Summer school dates, times, and locations are announced each May. Course offerings are determined during summer school registration and are dependent on student enrollment and demand. Principal approval is required for attendance. Students who are dismissed from summer school due to disciplinary action will not receive credit for any courses taken, and tuition or fees paid will not be refunded.

What is an Individual Success Plan?

The Individual Success Plan is a course planner created with input from counselors, mentor-teachers, and parents. This college and career ready plan helps students establish and achieve their career and academic goals for success after high school. The ISP is a working plan and should be updated each year.

The career plan will assist students in the following areas:

- Provide mentoring and guidance to assist students in career pathway planning
- Help identify correct graduation pathway options
- Support changes to meet student needs and ambitions
- Transition into a profession or postsecondary educational major

What is Extended School Year?

Extended school year (ESY) is special education and related services for children with disabilities during the summer months and at no cost to the parents of the child.

WHO SHOULD BE CONSIDERED FOR extended school year services? Children with disabilities ages 3 through 20.

HOW IS THE NEED FOR ESY DETERMINED? The IEP committee decides if the child needs Extended School Year services.

CAREER CLUSTERS

ADVANCED MANUFACTURING

The Advanced Manufacturing Career Cluster blends innovative technologies and practices to enhance design and production. It covers areas such as engineering, research and development, automation and artificial intelligence, equipment maintenance, safety protocols, and quality control. This Cluster aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.

AGRICULTURE

The Advanced Manufacturing Career Cluster blends innovative technologies and practices to enhance design and production. It covers areas such as engineering, research and development, automation and artificial intelligence, equipment maintenance, safety protocols, and quality control. This Cluster aims to increase efficiency, reduce waste, ensure safety, and produce high-quality goods, driving the industry's growth and adapting to modern demands.

ARTS, ENTERTAINMENT, AND DESIGN

The Arts, Entertainment, & Design Career Cluster combines creative roles in visual and performing arts, film, journalism, fashion, interior design, and creative technologies. This Cluster focuses on creating, producing, and sharing artistic and design work across multiple platforms, aiming to entertain, inform, beautify, and inspire.

CONSTRUCTION

The Construction Career Cluster focuses on professions involved in designing, planning, managing, and executing projects in the built environment. It emphasizes sustainable building practices to ensure that structures are both environmentally responsible and resilient. Careers in this Cluster are pivotal in creating durable infrastructure that meets present needs without compromising future generations' ability to meet their own, covering a range of roles from architects and engineers to construction managers and skilled tradespeople.

EDUCATION

The Education Career Cluster spans careers aimed at fostering learning from early childhood to adulthood, including teaching, instructional design, counseling services, community engagement, learner support, and educator training. This Cluster emphasizes quality education standards and lifelong learning, preparing individuals for success through all life stages by nurturing knowledge, skills, and critical thinking and encouraging personal and societal growth in a constantly evolving world.

FINANCIAL SERVICES

The Financial Services Career Cluster encompasses careers in managing and advising financial transactions, including banking, lending, corporate finance, debt management, accounting, insurance, and real estate. These careers contribute to economic stability and growth by supporting the financial health of individuals and organizations.

HEALTHCARE & HUMAN SERVICES

The Healthcare & Human Services Career Cluster promotes whole health in individuals and communities through a diverse array of services. This sector includes technical, mental, and therapeutic services and personal care, supported by medical and social sciences. By addressing social determinants of health and leveraging health data and science, this Cluster aims to enhance the overall health and resilience of individuals, families, and communities.

HOSPITALITY, EVENTS, & TOURISM

The Hospitality, Events, & Tourism Career Cluster encompasses a broad range of services and experiences related to food and beverage, lodging, travel, events, and conferences. This Cluster focuses on delivering quality customer service, memorable experiences, and seamless logistics to cater to the needs and preferences of guests, tourists, and event participants. The Cluster is characterized by its diversity, including everything from luxury hotels and international travel to local dining, cultural events, and business conferences, aiming to enhance the overall experience of visitors and attendees.

MANAGEMENT & ENTREPRENEURSHIP

The Management & Entrepreneurship Career Cluster involves skills and occupations that are essential across all industries, focusing on business administration, operations optimization, strategic planning, workforce management, and entrepreneurship. It merges key areas such as data management and analysis, human resources, general operations, administrative support, project management, and organizational leadership. This Cluster ensures that businesses across all industries efficiently meet their goals, adapt to market changes, and maintain competitive advantage. By emphasizing entrepreneurship, this Cluster supports the creation of new ventures, driving economic growth and innovation and making it a cornerstone of modern economies.

MARKETING & SALES

The Marketing & Sales Career Cluster focuses on promoting products, understanding consumer needs, engaging with communities, and driving sales. It integrates digital marketing, data analysis, brand promotion, customer relationship management, strategic communications, human-centered design, and retail strategies to build strong customer connections and

support business growth. This Cluster is essential in all industries for creating value, effectively reaching and engaging target audiences, and achieving commercial success in a competitive marketplace.

PUBLIC SERVICE & SAFETY

The Public Service & Safety Career Cluster encompasses roles in local, state, and federal government; legal and justice systems; security; and military operations, all aimed at promoting civic responsibility and ensuring the well-being, security, functionality, and resilience of communities, states, and countries.

SUPPLY CHAIN & TRANSPORTATION

The Supply Chain & Transportation Career Cluster encompasses the transfer, coordination, and management of goods from production to consumption, ensuring efficient movement across various modes of transportation including air, ground, and water, as well as maintenance of the respective transport modes. This Cluster integrates logistics and distribution networks to facilitate the seamless flow of materials and products, playing a crucial role in global commerce, economic development, and community health.

7TH AND 8TH GRADE CURRICULUM INFORMATION

ARTS	
<p>BAND (509903)</p> <p>This course offers an opportunity for students to develop fundamental skills on musical instruments. This course offers an opportunity for students to develop fundamental skills on musical instruments.</p>	<p>CHORAL MUSIC (500935)</p> <p>This course is meant to assist students with developing both choral skills and an appreciation of music.</p>
<p>THEATRE (500510)</p> <p>This course is designed to stimulate and develop unique intellectual and creative abilities of each student through learning and practicing basic theatre arts concepts. Through an applied emphasis in this course, the student will gain greater knowledge of self and others and will begin to develop an appreciation of theatre as an art form.</p>	<p>VISUAL ARTS (500101)</p> <p>This course allows students to explore their creative potential while learning basic art techniques with added emphasis on study of great works of art.</p>

BUSINESS & TECHNOLOGY	
<p>CYBER FOUNDATIONS I (000284) <i>7th Grade</i> <i>2 Semesters; 1 Unit Credit Towards High School Graduation</i></p> <p>This program is designed to provide students with essential skills in computer science, digital literacy, and cybersecurity, laying the groundwork for more advanced studies in the IT field. Students will explore topics such as problem-solving, programming, online safety, and the basics of computer hardware and software.</p>	<p>CYBER FOUNDATIONS II (000286) <i>8th Grade</i> <i>2 Semesters; 1 Unit Credit Towards High School Graduation</i></p> <p>This is a foundational computer science course. This program is designed to provide students with essential skills in computer science, digital literacy, and cybersecurity, laying the groundwork for more advanced studies in the IT field. Students will explore topics such as problem-solving, programming, online safety, and the basics of computer hardware and software.</p>

COMPENSATORY EDUCATION	
<p>COMPENSATORY READING (320135)</p> <p>This course is designed to give intensive, specialized reading instruction adjusted to the needs of a student who does not perform satisfactorily with regular reading instruction within the language arts framework.</p>	<p>LEARNING STRATEGIES (230181)</p> <p>The goal of this course is to enhance proficiency in reading, language and mathematics so that students perform better in classes and on standardized tests. Instruction is hands-on and interactive, with opportunities to work collaboratively in groups to solve problems. Students will develop effective study tactics and test taking skills in addition to improving academic abilities.</p> <p>**THIS CLASS MAY BE REQUIRED IF STUDENT NEEDS TO BUILD ACADEMIC SKILLS.</p>

HEALTH, SAFETY AND PHYSICAL EDUCATION	
<p>HEALTH EDUCATION <i>7th Grade (340131)/8th Grade (340132)</i></p> <p>This course covers topics such as safety and first aid, personal health, human growth and development, mental health, drug abuse prevention, family life, disease prevention, consumer health, nutrition, and environmental health. This is a one-year course that develops health skills needed to improve the quality of life.</p>	<p>PHYSICAL EDUCATION (340111)</p> <p>This course encourages development of a life-long habit of physical health and fitness that will help students display appropriate behaviors during social situations.</p> <p>**ONE SEMESTER IS REQUIRED IN GRADES 7 AND 8. .</p>

ENGLISH LANGUAGE ARTS	
<p>7TH GRADE ENGLISH (230101)</p> <p>In this course, students will read challenging complex texts closely and cite multiple instances of specific evidence to support their assertions. Students will recognize the interplay between setting, plot and characters and provide an objective summary of a text apart from their own reaction to it. They will compare and contrast different interpretations of a topic, identifying how authors shape their presentation of key information and choose to highlight certain facts over others. In similar fashion, students will trace how an argument develops within a text and assess the validity of the evidence supporting the argument. Students will cite several sources of specific, relevant evidence when supporting their own point of view about texts and topics. Students will also constructively evaluate others' use of evidence to back up their claims.</p>	<p>8TH GRADE ENGLISH (230104)</p> <p>In this course, students will read and interact with high-quality, complex, nonfiction texts and great works of literature. Students will read narrative and informational texts and cite textual evidence that most strongly supports an analysis or critique. Students will draw explicitly on their reading and research in discussion and respond to questions constructively by offering up relevant evidence, observations, ideas, and analysis. In writing, students will write with increased sophistication, focusing on organizing ideas, concepts, and information into broader categories; choosing relevant facts well; and use varied transitions to clarify or show the relationships among elements. Students will be able to distinguish their claims from alternate or opposing claims and using counter-claims, reasons, and evidence.</p>

WORLD LANGUAGE	
<p>FRENCH (160901) <i>7th And/Or 8th Grade</i></p> <p>This course introduces students to the French language, as well as the geography and culture of France. Students develop abilities in listening, speaking, reading, and writing. *</p>	<p>SPANISH (160933) <i>7th And/Or 8th Grade</i></p> <p>This course introduces students to the language and culture of Spanish-speaking countries. Emphasis is placed on vocabulary, simple conversational skills, and basic grammar structures.*</p>
<p>*FRENCH OR SPANISH - GRADES 7 AND/OR GRADE 8 - Language courses must be completed in middle school to qualify for enrollment in Level II of the high school foreign language courses. First year foreign language taken in the eighth grade will be accepted for IHL admission provided course content is the same as the high school course. Eighth grade students may receive a Carnegie unit for Level I or Level II foreign language.</p>	

MATHEMATICS

MATHEMATICS 7 (270101)
7th Grade

In Grade 7, instruction should focus on four critical areas: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples.

COMPACTED MATHEMATICS (270710)
7th Grade
2 semesters; 1 unit credit

In Compacted Mathematics Grade 7, instruction should focus on four critical areas from Grade 7: (1) developing understanding of and applying proportional relationships; (2) developing understanding of operations with rational numbers and working with expressions and linear equations; (3) solving problems involving scale drawings and informal geometric constructions, and working with two- and three-dimensional shapes to solve problems involving area, surface area, and volume; and (4) drawing inferences about populations based on samples. Instruction should focus on three critical areas from Grade 8: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence.

MATHEMATICS 8 (270720)
8th Grade
2 semesters; 1 unit credit

In Grade 8, instruction should focus on three critical areas: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem.

COMPACTED MATHEMATICS 8/ALGEBRA I (270721)
8th Grade
2 semesters; 1 unit credit

In Compacted Mathematics Grade 8 (with Algebra I), instruction should focus on three critical areas from Grade 8: (1) formulating and reasoning about expressions and equations, including modeling an association in bivariate data with a linear equation, and solving linear equations and systems of linear equations; (2) grasping the concept of a function and using functions to describe quantitative relationships; (3) analyzing two- and three-dimensional space and figures using distance, angle, similarity, and congruence, and understanding and applying the Pythagorean Theorem. Instruction should focus on five critical areas from Algebra 1: (1) analyzing and explaining the process of solving equations and inequalities; (2) learning function notation and developing the concepts of domain and range; (3) using regression techniques; (4) creating quadratic and exponential expressions; and (5) selecting from among these functions to model phenomena.

SCIENCE

SCIENCE (409907)
7th Grade

In 7th grade science, students relate systems and cycles through analyzing various small scale and large scale phenomena. Using scientific methods, students can connect Earth's systems with the flow of energy in supporting living and nonliving organisms and specific interactions of matter. Students use multiple investigative methods to discover evidence, make claims, and generate explanations about systems and cycles that take place on Earth. A focus on organization and cycles of matter requires students to apply skills and make connections across genres of science since most complex cycles have multiple interactions.

SCIENCE (409909)
8th Grade

Since causes of complex phenomena and systems are not always immediately or physically visible to students, the need to develop abstract thinking skills is a significant outcome for Grade 8. Explaining patterns and making predictions based on an understanding of cause and effect allows students to conceptualize and describe the relationships among natural phenomena. In Grade 8, some examples of the relationships include the role of genetics in reproduction and heredity, the biology that explains unity and diversity, the transfer of energy, the result of dynamic changes to the Earth's surface, and human impact on the biosphere.

SOCIAL STUDIES

WORLD HISTORY FROM PRE-HISTORIC ERA TO THE AGE OF ENLIGHTENMENT
6th Or 7th Grade (450837)

This course focuses on the cultural and historical development from the earliest civilizations and trace the evolution of civilizations from clans to kingdoms, to empires and individual nations and states.

UNITED STATES HISTORY FROM EXPLORATION THROUGH RECONSTRUCTION
7th Or 8th Grade (450804)

This course focuses on the historical development of the United States by examining the events involving Native Americans and various European settlers, political ideas leading to the development of our democratic society and critical events in the founding of the nation.

MISSISSIPPI STUDIES (450705)
1 semester; ½ unit credit towards high school graduation

This course is designed to foster an appreciation for the state, its history and its culture. The content will include the geographic, historic, economic, political and social events that have contributed to the state's development.

INTRODUCTION TO WORLD GEOGRAPHY (450704)
1 semester; ½ unit credit towards high school graduation

This course requires students to focus on understanding the systems and processes that produce the features and patterns that lie on Earth's surface and appear on maps and globes.

SPECIAL EDUCATION / GIFTED

Special education is a tailored, rights-based approach requiring personalized instruction (IEP) designed to ensure access to the general education curriculum. These documents emphasize legal compliance (IDEA), the least restrictive environment (LRE), inclusive practices, and specialized instruction that changes content, methodology, or delivery.

ACCESS TO GENERAL CURRICULUM

The foundational goal is ensuring students with disabilities access the same academic content standards as their peers, using specialized, individualized instruction (SDI) to bridge gaps.

INCLUSION AND LRE

Guidelines heavily emphasize educating students in general education classrooms, only moving to more restrictive settings when necessary, and fostering inclusive environments for all students.

Individualized Education Program (IEP): The curriculum must align with a student's IEP, which outlines specific, tailored goals, and specialized support services, such as speech-language therapy or occupational therapy.

SPECIALLY DESIGNED INSTRUCTION (SDI)

Focuses on how, what, and where students are taught, including modifications in methodology or materials to meet individual needs.

ALTERNATIVE FRAMEWORKS

For students with significant cognitive disabilities, guides provide alternate curriculum frameworks (e.g., MAAECF) for learning and assessment.

MONITORING PROGRESS

Frequent, ongoing, and objective evaluation of student performance is required to measure growth toward IEP goals.

The VENTURE program provides a gifted education curriculum for intellectually gifted students. The classes are open only to those ruled eligible through the district identification process, which includes an IQ test score minimum. Refer to the Rankin County School District Gifted Education website for the referral process.

9TH-12TH GRADE CURRICULUM INFORMATION

Students interested in earning a high-quality ACT score and qualifying for scholarships upon graduation from high school must follow a strategic academic plan starting in the seventh grade. Rankin County School District recommends the following coursework path for students interested in maximizing their potential for earning scholarships upon graduation.

Recommended Coursework Path

9TH GRADERS PRE-REGISTERING FOR 10TH GRADE

Students who plan to be college and career ready should:

- Pre-register for courses based on their chosen career pathway
- Use PSAT or PreACT data to plan Pre-AP classes and/or other accelerated classes
- Consider taking the ACT at least once PRIOR to the free ACT given to sophomores in the spring
- Prepare for continual ACT growth
- Continue to update resume
- Research future college and career plans

10TH GRADERS PRE-REGISTERING FOR 11TH GRADE

Students who plan to be college and career ready should:

- Pre-register for courses based on chosen career pathway
- Consider taking the PSAT as entrance to the National Merit Scholarship Search
- Take the ACT OR SAT multiple times in addition to the free ACT all juniors will take in the second semester
- Research future college and career plans
- Identify possible scholarship opportunities
- Consider Dual Enrollment and/or Dual Credit possibilities
- Consider Advanced Placement classes

11TH GRADERS PRE-REGISTERING FOR 12TH GRADE

Students who plan to be college and career ready should:

- Pre-register for courses based on chosen career pathway
- Take the ACT OR SAT multiple times
- Attend the RCSD College Fair
- Research future college and career plans
- Identify possible scholarship opportunities
- Consider Dual Enrollment and/or Dual Credit possibilities
- Consider Advanced Placement classes

*For more information concerning the ACT, SAT, or PSAT visit the following websites:

www.act.org

www.collegeboard.org

TIPS FOR HIGH SCHOOL STUDENTS

- Take a science course each school year
- Take a math course each school year
- Keep an updated resume
- Be aware of requirements for scholarships
- Take courses which require critical thinking, problem solving, and literacy skills

ACT RESOURCES

<https://www.rcsd.ms/departments/curriculum/instructional-programs/act-prep>

SAT RESOURCES

<https://www.rcsd.ms/departments/curriculum/instructional-programs/act-prep/psat-sat>

CREDIT RECOVERY

Credit recovery online learning in Rankin County School District is designed for students who have failed a course required for graduation with a 55 or higher (except in extenuating circumstances) and need to recover the credit. Only a limited number of courses are provided for credit recovery and students may not credit recovery courses in which they have not passed the required Mississippi end-of-course assessment unless the student has met alternate end-of-course assessment graduation options. Prior approval by the parent/guardian, counselor, and principal is required before the student can be enrolled in Grade Results for credit recovery courses. Credit recovery must be completed within one calendar year of when the student was originally assigned a failing grade for the course.

SCHEDULING OF COURSES

Students must select courses to fill the entire school day. Students approved for a late arrival, early dismissal, or work release must schedule classes consecutively. Leaving campus and returning later in the day for additional classes is not permitted. Once a student arrives on campus, they must remain on campus until their official dismissal time. Schools can rescind work release if a student is in danger of not meeting minimum state and district requirements for graduation. Schools may establish course requirements specific to an attendance zone.

CLASS RANKINGS / GRADE POINT AVERAGE

Students in high school should pay attention to grade point averages as determining factors for college scholarship awards and local school honors. Keep in mind that final grades in Carnegie unit courses are averaged through the end of the second semester of the senior year. Rank is computed to the hundredth of a percent, except to break a tie when thousandths of a percent will be used. Averages will be obtained by adding numerical grades using the following scale:

WEIGHTED COURSES:

Final grades may be weighted for Grades 9-12 if a student is enrolled in the following courses:

- Advanced Placement courses = 1.10 x grade
- Dual Enrollment/Dual Credit Courses = 1.10 x grade (College grade must be a C or higher to qualify for the weight. Course is only weighted in the GPA)
- CCR Advanced Math Plus = 1.05 x grade
- Physics = 1.05 x grade
- Calculus = 1.05 x grade
- Honors English I = 1.05 x grade
- Honors English II = 1.05 x grade
- Honors Geometry = 1.05 x grade
- Honors Algebra II = 1.05 x grade
- Honors Biology 1 = 1.05 x grade
- All other courses = 1.0 x grade

DUAL ENROLLMENT / DUAL CREDIT

This program allows high school students the opportunity to earn college or career technical education credit from Hinds Community College toward a postsecondary diploma at their local high school.

Dual Credit Student Eligibility Criteria:

- Students must be enrolled in Rankin County School District as a Sophomore, Junior, or Senior
- Students taking an academic dual credit course must be classified as a Junior or Senior (exception: any student who has earned a minimum of 30 on the ACT may be allowed to participate, even if they are not classified as a Junior or Senior)
- Students must meet the specific ACT score to enter the intended course (see your counselor about what scores are needed for each course). The Accuplacer test may be used if the ACT has not been taken.
 - » ACT Information (www.act.org)
 - » Accuplacer Test Information (Hinds: 601-936-1821)
- Students must meet the prerequisite courses as outlined by the participating post-secondary institution.
- Students must obtain an unconditional written recommendation from their high school, typically a letter of recommendation from the high school principal or counselor.

Dual Credit Information:

- Students have the option of taking dual credit classes on the high school campus or online.
- Students who take classes on the high school campus must pay a registration fee per semester enrolled. Students are responsible for costs of all textbook and Instant Access fees. Instant access fees are billed directly to their My.Hinds account.
- Students who take online dual credit classes must pay the registration fee plus the per credit hour distance learning fee and the instant access fees. Online classes are taught through Canvas with a Hinds instructor.

- Hinds does not send paper bills. All dual credit students should utilize their My.Hinds account for billing and payment information.
- Textbooks for dual credit are mandatory and are automatically billed directly to their MyHinds account.
- Students' grades for the dual credit course will become part of the high school grade point average. Student grades for the high school will be weighted at 1.10 times the grade if the grade is a C or higher (weight is noted in GPA only). Remedial dual credit courses are NOT weighted. Hinds grades are NOT weighted.
- Student high school transcript grades will be the same as the Hinds Community College transcript.
- A student's grades will become part of his or her college transcript and GPA.
- Students who take a Dual Enrollment course (courses taken on a Hinds campus) must provide a copy of their college grade report to their counselor by the beginning of the following semester.

What do I need to apply for Dual Credit through my high school?

- Application on file with Hinds Community College (www.hindsc.edu)
- Official copy of ACT Scores or Accuplacer Scores
- High School Transcript
- Letter of Recommendation from my school's counselor/administrator

Each school in the Rankin County School District offers different courses. Please check with your school's counselor to see what your school offers and what the required ACT subscore is for each area offered.

Important Information:

- Students are expected to follow all policies and procedures set forth by Hinds Community College. This includes academic and attendance policies.
- Students are responsible for dropping or withdrawing from the course by the date set forth by Hinds Community College.

Online Courses

A student can earn Carnegie unit credit toward graduation through successful completion of online courses. In order to receive credit for online courses, the following criteria must be met:

1. The principal must approve the online course. Approval can be denied for any course offered at the school. Requests for taking courses that are a part of the statewide testing program for meeting graduation requirements will be denied.
2. The online course must be taken through an approved agency and be listed in the current Approved Courses for the Secondary Schools of Mississippi published by the Mississippi Department of Education.

Online courses are subject to a yearly fee. See the Online Learning Handbook found on the RCSD website for more information.

Distinguished Service Graduate

Students in Rankin County School District have the opportunity to earn the designation of "Distinguished Service Graduate." This recognition will be denoted with a seal on the diploma. Qualifying students may be recognized at Awards Day in the local school, and the designation will be marked in the graduation program. To earn a "Distinguished Service Graduate" honor, a student must document 50 volunteer hours of service per school year during high school, having a total of 200+ volunteer hours of service over the course of his/her high school experience.

Mississippi Scholars Recognition Program and Mississippi Scholars Tech Master

For information on the Mississippi Scholars Recognition and/or the Mississippi Tech Master programs, visit the following website:

<https://msmec.com/public-education-forum/>

COURSE DESCRIPTIONS GRADES 9-12

ARTS

Advanced Placement Art (500738) - 2D, (500739) - 3D

» 2 semesters; 1 unit credit
» Prerequisite: Visual Arts III
» Weighted Course for GPA

AP Art is an advanced art course designed primarily for the highly motivated student. Students are instructed in one of four college level art courses: Studio Art/Drawing Portfolio, 2-D Design Portfolio, 3-D Design Portfolio and History of Art. This is a preparatory course for those students wishing to take the National Advanced Placement Examination. It is possible to earn college credit through this examination.

Advanced Placement Music Theory (500999)

» 2 semesters; 1 unit credit
» Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Music Theory is an introductory college-level music theory course. Students cultivate their understanding of music theory through analyzing performed and notated music as they explore concepts like pitch, rhythm, form, and musical design.

Band (509901)

» 2 semesters; 1 unit credit

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.

Ceramics I (500540)

» 1 semester; ½ unit credit

This course focuses on knowledge and skills in three-dimensional design with clay and/or other plastic media. Work will

be limited primarily to three-dimensional media, techniques, and processes.

Ceramics II (500541)

» 1 semester; ½ unit credit
» Prerequisite: Ceramics I

This course builds on introductory level concepts and skills from Ceramics I. Work will be limited to three-dimensional media, techniques, and processes.

Choral Music (500939)

» 2 semesters; 1 unit credit

Choral music provides students experiences in listening to, analyzing, describing, creating, and evaluating music within the constraints of the choral rehearsal situation.

Dramatic Criticism and Performance (500531)

» 2 semesters; 1 unit credit
» Prerequisite: Theatre I, Theatre II

Dramatic Criticism and Performance is designed to enable students who are interested in the theatre arts to pursue an in-depth exploration of the interrelationships of aesthetics, criticism, and performance. This course is designed for students who have successfully completed Theatre I and Theatre II.

General Music (500971)

» 2 semesters; 1 unit credit

This course includes study of music appreciation, music literature, and music in relation to other arts 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.

Photography (500610)

» 1 semester; ½ unit credit

This course builds on introductory level concepts and skills acquired in visual arts courses and focuses on developing in-depth knowledge and skills in two-dimensional design with photographic media. Concentration will be placed on black and white media, techniques, and processes.

Theatre I (500512)

» 1 semester; ½ unit credit

This course will explore the relationships of theatre history, structure, literature, acting, producing, and critiquing.

Theatre II (500513)

» 1 semester; ½ unit credit
» Prerequisite: Theatre I

This course continues to explore the theatrical process as an art form. Students will concentrate on designing, creating, and performing from original and published works.

Theatre III (500515)

» 2 semesters; 1 unit credit
» Prerequisite: Theatre II

This course is designed to enable students to continue perfecting and exploring their performance and production abilities.

Theatre Production (500521)

» 2 semesters; 1 unit credit

This course provides students an in-depth learning experience in the production aspects of Theatre Arts. Technological design and application and skills of managing, directing, and acting are emphasized.

Visual Arts I (500704)

» 2 semesters; 1 unit credit

Visual Arts I involves a broad range of media, techniques, and processes. Students will continue to develop prior knowledge and skills in the creation and study of works of art and design, building on concepts and skills acquired in the middle level course.

Visual Arts II (500705)

» 2 semesters; 1 unit credit
» Prerequisite: Visual Arts I

Visual Arts II increases the student's knowledge of production, critical analysis, history and culture, aesthetics, and connections among the visual arts, other content areas, and everyday life. Work will encompass two- and three-dimensional art forms.

Visual Arts III (500706)

» 2 semesters; 1 unit credit
» Prerequisite: Visual Arts II

This course focuses on the creation and study of more advanced works of art. Students will begin the development of a body of work for inclusion in a portfolio and work at a more advanced level.

Visual Arts IV (500707)

» 2 semesters; 1 unit credit
» Prerequisite: Visual Arts III

Visual Arts IV focuses on the creation of a portfolio for use in the pursuit of higher education or career opportunities. Advanced-level competencies will provide increasingly difficult and complex artistic challenges.

Visual Arts Studio I (500110)

» 1 or 2 semesters; ½ or 1 unit credit
» Prerequisite: Previous visual arts training

The studio course is designed to offer specialized instruction in a particular medium, style, or period of the visual arts while connecting projects completed to local community needs.

Visual Arts Studio II (500111)

» 1 or 2 semesters; ½ or 1 unit credit
» Prerequisite: Visual Arts Studio I

This studio course is an extension of the Visual Arts Studio I course. Students will continue utilization of a particular medium, style, or period of the visual arts while connecting projects completed to local community needs.

BILINGUAL EDUCATION

English as a Second Language (160121)

» 2 semesters; 1 unit credit
» Prerequisite: Determination of ESL Status

This course is for preparation of ESL students to function adequately in regular education classes.

DRIVER EDUCATION

Driver Education (340151)

» 1 semester; ½ unit credit
» Prerequisite: Must be 15 years old by last day of current semester

Driver Education includes classwork, simulator training, and behind-the-wheel training. A student must be fifteen (15) years of age by the last day of the current semester in order to qualify.

BUSINESS AND TECHNOLOGY

Accounting Fundamentals (110610)

» 2 semesters; 1 unit credit

This course introduces students to the fundamental principles and procedures of accounting. Students will develop financial analysis and decision-making skills that will assist them in future studies and/or career opportunities in business. Students will acquire an understanding of how accounting is used in business operations, as well as how accounting and accounting reports are used by managers, investors and other business stakeholders in their decision making processes. Spreadsheets and accounting software are utilized.

Advanced Placement Computer Science A (110141)

» 2 Semesters; 1 unit credit
» Prerequisite: Algebra I
» Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Computer Science A is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures.

Advanced Placement Computer Science Principles (110145)

» 2 Semesters; 1 unit credit
» Prerequisite: Algebra I
» Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Computer Science Principles is an introductory college-level computing course that introduces students to the breadth of the field of computer science. Students learn to design and evaluate solutions and to apply computer science to solve problems through the development of algorithms and programs. They incorporate abstraction into programs and use data to discover new knowledge. Students also explain how computing innovations and computing systems—including the internet—work, explore their potential impacts, and contribute to a computing culture that is collaborative and ethical.

Business Finance (110730)

» 2 semesters; 1 unit credit

The purpose of this course is to introduce the techniques of financial analysis with an emphasis on corporate finance. The concepts developed in this course form the foundation for subsequent business courses at the postsecondary level. The main topics covered include the time value of money and the net present value rule, capital budgeting decisions, uncertainty and the tradeoff between risk and

return, and corporate financing and dividend policy decisions.

Business Fundamentals I (110720)

»2 semesters; 1 unit credit

This course begins with an introduction to business and marketing fundamentals, communication and interpersonal skills, and professional development for continued education, training, and careers in business management.

Business Law (070340)

»1 semester; ½ unit credit

This course will give students an understanding of regulations governing business finance, business taxation, and laws governing business practices.

Computer Science & Engineering (000287)

»2 semesters; 1 unit credit

This is a project-based course designed to instruct students through activities that require modeling, physical design, and coding, leading them to discover how computing and engineering work together to solve problems. This course offers students exposure to the engineering design process which introduces them to problem-solving and critical thinking as well as the basics of project management and teamwork. This knowledge will assist them in making informed and meaningful decisions about high school coursework and broaden their horizons for career opportunities.

Entrepreneurship (110640)

»2 semesters; 1 unit credit

This course introduces students to the rewards and risks of owning or operating a business enterprise. Emphasis is placed on the mastery of skills needed to plan, organize, manage, and finance a small business.

Exploring Computer Science (000283)

»2 semesters; 1 unit credit

ECS is a survey course that introduces students to the breadth of the computer science field. The course lays a foundation in problem-solving, critical thinking, and algorithmic development and then introduces students to the basics of web development, programming, robotics, data science, and artificial intelligence. Emphasizing hands-on and project-based learning experiences, ECS prepares students for further study and careers in technology-related fields. Students emerge with a professional portfolio, demonstrating proficiency in creating engaging and practical computing solutions for today's technology-driven landscape.

Graphic Design I (070333)

»1 Semester; ½ unit credit

Graphic Design 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.

Graphic Design II (070334)

»1 Semester; ½ unit credit
»Prerequisite: Graphic Design I

This course is related to advanced graphic design. Basic skills learned in Graphic Design I will be used to create more complex layouts with closer tolerances and broader use of colors. Students will utilize programs such as Adobe Photoshop and InDesign to create high quality print and web media.

International Business (110670)

»2 semesters; 1 unit credit

The International Business course is designed to introduce students to basic business operations surrounding global trade. Competencies for this course focus on raising awareness of the interrelatedness of one country's political policies and economic practices on another; learning to improve international business relations through appropriate communication strategies; understanding the global

business environment; exploring basic concepts underlying international finance, management, marketing, and trade relations; and identifying forms of business ownership and international business opportunities.

Introduction to Information Technology (110600)

»2 semesters; 1 unit credit

Introduction to Information Technology includes the foundation skills required for building computer systems. Program competencies are designed to prepare students for A+ certification by integrating certification skills throughout the course.

Personal Finance (070128)

»1 semester; ½ unit credit

This course provides students with a basic understanding of personal finance so that students may properly manage their own financial affairs. This course will enable students to understand and practice the principles of money management, consumer credit, savings, investments, taxation, and consumer protection.

Management Fundamentals (110690)

»2 semesters; 1 unit credit

This course focuses on business management and the development of an extensive business plan that encompass all areas of business, including communication and procedures, needed in order to operate a successful business. Students will continue to develop educational, career, and professional plans in the area of business management.

Management Essentials (110710)

»2 semesters; 1 unit credit

This course focuses on business management and the development of an extensive business plan that encompass all areas of business, including operations and security, information, and applications, needed in order to operate a successful business. Students will continue to develop educational, career,

and professional plans in the area of business management.

Marketing Essentials (110650)

»2 semesters; 1 unit credit

Marketing Essentials encompasses introductory marketing concepts such as pricing, promotion, and selling.

Sales and Distribution (110660)

»2 semesters; 1 unit credit

Sales and Distribution is designed around providing students with advanced marketing skills. Content includes distribution, marketing planning, product service management, international marketing, and various other marketing specializations.

COMPENSATORY EDUCATION

ACT/SAT Prep I (110216)

»1 semester; ½ unit credit
»2 semesters; 1 unit credits

Within this course, students will develop effective test taking skills. Preparation materials for the ACT and National Merit Qualifying Test will be used. This class is open to 10th and 11th graders. It is a requirement that the student take either the PSAT, SAT, or ACT while enrolled in this class.

ACT/SAT Prep II (110221)

»1 semester; ½ unit credit
»2 semesters; 1 unit credit
»Prerequisite: ACT/SAT Prep I

This course will continue to develop effective test taking strategies. Preparation materials for the ACT and National Merit Qualifying Test will be used. The results of the PSAT will be used to target specific learning needs of each individual student in the areas of language, reading, math and science. Additionally, this course may include preparation for success on ACT Workkeys. This course is open to sophomores through seniors who have previously taken ACT prep I.

Employability Skills (320120)

»1 semesters; ½ unit credit

This course targets getting students ready for the job force. Students will create a resume, work on job interview skills, fill out applications, discuss job opportunities and related educational needs, and write business communications. Career planning will be a major part of this course.

Learning Strategies (230180)

»2 semesters; 1 unit credit

The goal of this course is to enhance proficiency in reading, language and mathematics so students perform better in classes and on standardized tests. This class can include instructional skill tactics for the PSAT, SAT, ACT, and ACT Workkeys test. PSAT data from Ninth grade students can be used second semester to provide guided studies. Instruction is hands-on and interactive, with opportunities to work collaboratively in groups to solve problems. Students will develop effective study tactics and test taking skills, in addition to improving academic abilities.

*THIS CLASS MAY BE REQUIRED FOR STUDENTS SCORING MINIMAL OR BASIC ON STANDARDIZED TESTS.

ENGLISH / LANGUAGE ARTS

Advanced Placement English Language and Composition (230117)

»2 semesters; 1 unit credit
»Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP English Language and Composition is an introductory college-level composition course. Students cultivate their understanding of writing and rhetorical arguments through reading, analyzing, and writing texts as they explore topics like rhetorical situations, claims and evidence, reasoning and organization, and style.

Advanced Placement English Literature & Composition (230174)

»2 semesters; 1 unit credit
»Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP English Literature and Composition is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts as they explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works.

Advanced Placement Research (230430)

»2 Semesters; 1 unit credit
»Prerequisite: Must have successfully completed the AP Seminar Course
»Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

*Course may be offered as an English Language Arts course credit above English II.

Advanced Placement Seminar (230440)

» 2 Semesters; 1 unit credit
» Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Students learn to investigate a problem or issue, analyze arguments, compare different perspectives, synthesize information from multiple sources, and work alone and in a group to communicate their ideas.

*Completion of AP Seminar is approved to substitute for the CCR course.

**Course may be offered as an English Language Arts course credit above English II.

Broadcast Journalism (100104)

» 1 or 2 semesters; ½ or 1 unit credit
» Prerequisite: Foundations of Journalism

The course will provide students with quality academic instruction in television, radio, and video production by providing training in operating equipment, reporting and scriptwriting, as well as planning, directing, and producing video projects. This course is designed to help students produce a broadcast news show that includes anchor segments, field reports, and feature segments. Students should select all content, write all scripts, and film and edit all video. Show(s) should be published to the web and available to the public.

Creative Writing (230511)

» 1 semester; 1 unit credit
» Prerequisite: English II

The Creative Writing course will provide the student practices in the processes of composing poems, personal descriptive and narrative essays, and short fiction. If time allows, the writing of drama may be pursued. 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. The student will become a critical reader and editor of his/her own work and of the work of his/her classmates. The student will be encouraged to submit works for publication.

Debate (231026)

» 1 or 2 semesters; ½ or 1 unit credit

This course provides instruction in how to acquire, analyze, and evaluate information in order to organize effective arguments, and it provides practice in making those persuasive arguments in verbal delivery and in written responses. .

English I (230107)

» 2 semesters; 1 unit credit

In this course, students will investigate a wide range of literary genres as well as delve deeply into substantive, complex expository works of nonfiction and uncover critical clues for building analyses of texts. Students will provide objective summaries that incorporate both inferences drawn from the text and citations extracted directly from what they have read. Students will analyze informational and historical documents, as well as grasp differing perspectives and points of view embedded in works of world literature.

Honors English I (230107)

» 2 semesters; 1 unit credit
» Weighted Course for GPA

This English I course is for accelerated students. In this course, students will investigate a wide range of literary genres as well as delve deeply into substantive, complex expository works of nonfiction and uncover critical clues for building analyses of texts. Students will provide objective summaries that incorporate both inferences drawn from the text and citations extracted directly from what they have read. Students will analyze informational and historical documents, as well as grasp differing perspectives and points of view embedded in works of world literature. In addition to these, Honors English I will include stan-

dards and rigor that require more extensive study.

English II (230110)

» 2 semesters; 1 unit credit

In this course, students will examine a diverse set of literary genres and pursue their investigation of substantive, complex expository works of nonfiction and analyze the meaning of both literary and nonfiction works. Students will compare and contrast how ideas, themes or concepts are presented in two different artistic mediums in which different details are emphasized. Students will analyze informational and historical documents, particularly those of the United States, as well as grasp differing perspectives and points of view embedded in works of world literature.

Honors English II (230110)

» 2 semesters; 1 unit credit
» Prerequisite: English I
» Weighted Course for GPA

This English II course is for accelerated students. In this course, students will examine a diverse set of literary genres and pursue their investigation of substantive, complex expository works of nonfiction and analyze the meaning of both literary and nonfiction works. Students will compare and contrast how ideas, themes or concepts are presented in two different artistic mediums in which different details are emphasized. Students will analyze informational and historical documents, particularly those of the United States, as well as grasp differing perspectives and points of view embedded in works of world literature. In addition to these, Honors English II will include standards and rigor that require more extensive study.

English III (230113)

» 2 semesters; 1 unit credit

In this course, students will understand and analyze substantive, complex expository works of literary nonfiction as well as a diverse spectrum of stories, poems, plays, and novels. Students will perform a variety of complex reading tasks focused on recurrent themes in **American** liter-

ature and foundational works of American political philosophy. Students will become skilled at determining how multiple themes or ideas combine and intertwine to produce a complex narrative or explanation as well as evaluate the premises, arguments, and rhetoric present in seminal texts from American history and other supplemental texts.

English IV (230116)

» 2 semesters; 1 unit credit

In this course, students will analyze more substantive, complex expository works of literary nonfiction as well as a diverse spectrum of stories, poems, plays, and novels. Students will perform a variety of complex reading tasks focused on recurrent themes in **British** literature and foundational works of British political philosophy with more independence. Students will strengthen their skills in determining how multiple themes or ideas combine and intertwine to produce a complex narrative or explanation as well as evaluate the premises, arguments, and rhetoric present in seminal texts from British history and other supplemental texts.

Essentials for College Literacy (230185)

» 2 Semesters; 1 unit credit
» English (Supplemental Fourth-Year or Senior English)

Essentials for College Literacy is designed to build on knowledge gained in English I, English II, and English III, and is offered only to Seniors (12th graders). This course utilizes a disciplinary literacy approach that teaches students strategies for reading and understanding complex texts in different subject areas. Students learn to develop and defend ideas from textbooks and write about them in college-level formats for English, history, and biology. The unit structure conforms to the framework of the Literacy Design Collaborative (LDC), which addresses college- and career-readiness standards. This course is for students with an ACT English subscore of 15-18 only. This course meets remediation requirements for all IHL and some CC.

Foundations of Journalism (270603)

» 2 semesters; 1 unit credit

This course is intended as a general course to enhance students' communication and media literacy skills and to help students produce a factual, journalistic-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.

Mississippi Writers (230761)

» 1 or 2 semesters; ½ or 1 unit credit

This course focuses on the state's rich literary heritage through the study of poetry, fiction, nonfiction, and drama. The course identifies major sources and themes of twentieth century and contemporary Mississippi writing. The student will recognize the contribution of Mississippi writers, such as William Faulkner, Eudora Welty, Richard Wright, Willie Morris, and Anne Moody. This course recognizes that Mississippi writing is an expression of a particular place that achieves universality.

Oral Communication (231010)

» 1 or 2 semesters; ½ or 1 unit credit

This course includes instruction in how to acquire, analyze, and evaluate information in order to make decisions and establish satisfying relationships. Skill in oral communication helps the student to think and speak logically, clearly, and creatively.

Print Journalism (270604)

» 1 or 2 semesters; ½ or 1 unit credit

This course provides students with quality academic instruction in newspaper/yearbook/news-site production by providing training in reporting, writing, photography, design, and equipment operation, as well as in leadership and management skills (necessary to plan and execute the publication process). This course is designed to help students produce a newspaper, news magazine, news website, or yearbook that informs a defined audience of school and community news in a timely manner.

SREB Literacy Ready (230150)

» 2 Semesters; 1 unit credit
» English (Supplemental Fourth-Year or Senior English)

This Southern Regional Education Board (SREB) course is designed to build on knowledge gained in English I, English II, and English III, and is offered only to Seniors (12th graders). This course utilizes a disciplinary literacy approach that teaches students strategies for reading and understanding complex texts in different subject areas. Students learn to develop and defend ideas from textbooks and write about them in college-level formats for English, history, and biology. The unit structure conforms to the framework of the Literacy Design Collaborative (LDC), which addresses college- and career-readiness standards. This course is for students who have an ACT English subscore below 15 only.

Survey of 20th Century Writing (230125)

» 1 or 2 semesters; ½ or 1 unit credit

The Survey of Twentieth Century Writing course covers major writers and themes in the Americas and Western Europe for the period from World War I to the present time. The student will recognize major themes present in twentieth century writing and will draw parallels to history and present day concerns. As a result of this course, students will have a greater awareness of events and writings that have shaped and been part of the ideas and culture of the twentieth century.

Survey of African American Literature (230124)

» 1 or 2 semesters; ½ or 1 unit credit

The Survey of African American Writing course is a survey course that draws upon a compilation of genres, themes, styles, and language used by various writers of African American descent. The student will recognize and appreciate contributions of selected authors through reading, speaking, and viewing selected works and by researching and writing.

Technical and Workplace Writing (230142)

►1 or 2 semesters; ½ or 1 unit credit

This course focuses on the various kinds of written communication currently occurring in a variety of workplaces and careers. Students will gain a sense of general principles of communication, learn how audience and purpose shape the form and content of the written piece, and discern how organization, wording, accuracy and specificity of details, typography, visuals, design, grammar, usage, and mechanics contribute to effective communication. Students will apply what they have learned by creating a variety of kinds of written communication. Students will practice gathering information through research as well as communicate information through various kinds of writing.

World Literature (230144)

►1 or 2 semesters; ½ or 1 unit credit

The World Literature course is an examination of literary works that have contributed significantly to the thinking of humankind and have contributed greatly to various cultures. In this course, students will read a variety of masterpieces and influential literary works. The one-semester World Literature course may focus mainly on one time period or span centuries to show the range of literary heritage, whereas the one-year course will require reading of literature from the ancient classical period to the twentieth century.

FOREIGN LANGUAGE

Advanced Placement French Language and Culture (160907)

►2 Semesters; 1 unit credit
►Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP French Language and Culture is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture

by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

Advanced Placement Spanish Language and Culture (160937)

►2 Semesters; 1 unit credit
►Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Spanish Language and Culture is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges.

French I (160903)

►2 semesters; 1 unit credit

This course introduces students to the French language, as well as the geography and culture of France. Students develop abilities in listening, speaking, reading and writing in this Romance language.

French II (160904)

►2 semesters; 1 unit credit
►Prerequisite: French I, Grade 8

French II stresses grammar and composition as well as more advanced study in comprehension, conversational skills, and general fluency in the French language. Language behavior moves from imitative to reflective.

French III (160905)

►2 semesters; 1 unit credit
►Prerequisite: French II

This course stresses conversational and cultural skills within the context of a wide

variety of materials (expository, descriptive, narrative, poetic).

French IV (160906)

►2 semesters; 1 unit credit
►Prerequisite: French III

Students in this course will hone conversational and reading skills in this language, while continuing to learn about the cultural aspects of the countries that speak the language. A wide variety of materials (expository, descriptive, narrative, poetic) will be utilized.

Spanish I (160933)

►2 semesters; 1 unit credit

This course introduces students to the language and culture of Spanish-speaking countries. Emphasis is placed on vocabulary, simple conversational skills, and basic grammar structures.

Spanish II (160934)

►2 semesters; 1 unit credit
►Prerequisite: Spanish I, Grade 8

This course continues study of the fundamentals of Spanish grammar and composition. Students will engage in advanced conversations using more advanced vocabulary than in Spanish I. Translation of Spanish literature will be assigned. Language behavior moves from imitative to reflective.

Spanish III (160935)

►2 semesters; 1 unit credit
►Prerequisite: Spanish II

Spanish III stresses conversational and cultural skills. Major areas of study are Spanish literature, history and customs. Emphasis is placed on speaking and writing in Spanish.

Spanish IV (160936)

►2 semesters; 1 unit credit
►Prerequisite: Spanish III

Students in this course will hone conversational and reading skills in this language, while continuing to learn about the

cultural aspects of the countries that speak the language. A wide variety of materials (expository, descriptive, narrative, poetic) will be utilized.

HEALTH, SAFETY, AND PHYSICAL EDUCATION

Contemporary Health (340133-ACA or 200140-CTE)

►1 semester; ½ unit credit

Contemporary Health is a course that develops personal, social, and mental health skills. It includes instruction on human growth and development, disease prevention and control, substance abuse and prevention, community and environmental health, safety, and first aid.

MATHEMATICS

Advanced Mathematics Plus (270730)

►2 semesters; 1 unit credit
►Prerequisite: Algebra II
►Weighted Course for GPA

Advanced Mathematics Plus 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. This course was designed to be a fourth year math course. Throughout the duration of this course, the Standards for Mathematical Practice are addressed.

Advanced Placement Calculus AB (279908)/ Calculus BC (279909)

►2 Semesters; 1 unit credit
►Prerequisite: Algebra II
►Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit.

AP Calculus AB is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented

graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP Calculus BC is an introductory college-level calculus course. Students cultivate their understanding of differential and integral calculus through engaging with real-world problems represented graphically, numerically, analytically, and verbally and using definitions and theorems to build arguments and justify conclusions as they explore concepts like change, limits, and the analysis of functions.

AP Precalculus

►2 Semesters; 1 unit credit
►Prerequisite: Algebra II
►Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit.

Taking AP Precalculus prepares you for other college-level mathematics and science courses. During the course, you’ll explore everyday situations using mathematical tools and lenses. You’ll also develop an understanding of modeling and functions, and examine scenarios through multiple representations. The course framework outlines content and skills needed for careers in mathematics, physics, biology, health science, social science, and data science.

Students will be able to algebraically manipulate functions, equations, and expressions. They will translate mathematical information between representations, communicate with precise language, and provide rationales for conclusions.

Advanced Placement Statistics (270535)

►2 semesters; 1 unit credit
►Prerequisite: Algebra II
►Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Statistics

is an introductory college-level statistics course that introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students cultivate their understanding of statistics using technology, investigations, problem solving, and writing as they explore concepts like variation and distribution; patterns and uncertainty; and data-based predictions, decisions, and conclusions.

Algebra I (270404)

►2 semesters; 1 unit credit

In Algebra I, 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 generally been offered. Instruction should 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.

Algebra II (270405)

►2 semesters; 1 unit credit
►Prerequisite: Algebra I and Geometry

In this Algebra II course students build on their work with linear, quadratic, and exponential functions and students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone 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 Practice Standards apply throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. The four critical areas of this course include (1) working extensively with polynomial operations; (2) building connections

between Geometry and trigonometric ratios; (3) understanding of a variety of function families; and (4) explore statistical data. In Algebra II Plus, students will engage in (+) standards, including taking a closer look at inverse functions and composition of functions. Students will use the Binomial Theorem to expand binomials and engage in a brief study of matrices.

Honors Algebra II (270405)

» 2 semesters; 1 unit credit
 » Prerequisite: Algebra I
 » Weighted Course for GPA

This Algebra II course is for accelerated students after completion of Honors Geometry. In this course, students build on their work with linear, quadratic, and exponential functions and extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with expressions that define the functions and continue to expand and hone their abilities to model situations and to solve equations and inequalities, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will also advance their understanding of the trigonometric functions using the unit circle and radian measures. In addition to these, Honors Algebra II will include standards that require more extensive study of the complex number system, solving systems of equations and using matrices, finding and using inverse functions, and using compound probability and expected value. Students will use the Binomial Theorem to expand binomials. The Standards for Mathematical Practice are applied throughout this course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Algebra III (270441)

» 2 semesters; 1 unit credit
 » Prerequisite: Algebra II

Algebra III includes content standards from the 2007 Mississippi Mathematics Framework 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 Algebra II and Integrated Mathematics III. Topics of study include sequences and series, functions, and higher order polynomials. Polynomial functions provide the context for higher-order investigations. Topics are addressed from a numeric, graphical, and analytical perspective.

Calculus (279912)

» 2 semesters; 1 unit credit
 » Prerequisite: Advanced Mathematics Plus or Algebra III or DC College Algebra
 » Weighted Course for GPA

This Calculus course includes content standards from the 2016 Mississippi Mathematics Framework 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. The instructional approach should provide opportunities for students to work together collaboratively and cooperatively as they solve routine and non-routine problems. Communication strategies should include reading, writing, speaking, and critical listening as students present and evaluate mathematical arguments, proofs, and explanations about their reasoning.

Essentials for College Math (270715)

» 2 Semesters; 1 unit credit
 » Prerequisite: ACT Math Sub Score Between 15-18

Essentials for College Math is designed to build on knowledge gained in Algebra 1, Geometry, and Algebra II and is offered only to Seniors (12th graders). This course emphasizes the deep understanding of math concepts beyond memorizing formulas and procedures. Students explore the justification behind the procedure, i.e. “why” to use a certain formula or method to solve a problem by being immersed in critical-thinking experiences where they apply math skills, functions and concepts in different real-world contexts. The goal of this course is to help prepare students for material they will see in career and/or college level courses. This course is for students with

an ACT math subscore of 15-18 only. A final grade of 80 or above in this course meets remediation requirements for all IHL and some CC.

Foundations of Algebra - 9th Grade Only (270390)

» » 2 semesters; 1 unit credit

The primary focus of this course is to provide further instruction on curriculum which has not been mastered for 9th-grade students in need of substantial support prior to taking Algebra I. The course focuses on equations, inequalities, functions, polynomials, geometry, and statistics. Course standards include those which should have been mastered by 8th grade and introductory Algebra I. The Standards for Mathematical Practice are implemented throughout this course.

Geometry (270408)

» 2 semesters; 1 unit credit
 » Prerequisite: Algebra I

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 classes. Close attention should be paid to the introductory content for the Geometry conceptual category found in the high school. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. In Geometry Plus, students will engage in (+) standards, including taking a look at additional constructions and using Cavalieri’s Principle to make sense of volume formulas. Students will also prove geometric mean statements using similarity in right triangles and use truth tables to show that a statement and its contrapositive are logically equivalent.

Honors Geometry (270408)

» 2 semesters; 1 unit credit
 » Prerequisite: Algebra I
 » Weighted Course for GPA

This geometry course is for accelerated students after completion of Algebra I. In addition to the standards required in regular geometry classes which are intended to deepen students’ understanding of geometry from what was introduced in middle school, additional content and standards will be addressed. Standards focus on formal mathematical arguments through the use of proofs, transformations, similarity, the extension of formulas for 2-dimensional and 3-dimensional objects, and trigonometric ratios as well as model with vector quantities, perform operations with vectors and matrices, take a closer look at additional constructions, and use Cavalieri’s Principle to make sense of volume formulas. The Standards for Mathematical Practice are applied throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MILITARY SCIENCE

JROTC I (280311)

» 2 semesters; 1 unit credit

The Army Junior ROTC program introduces students to the basics involved in assuming leadership roles. Cadets are challenged mentally on topics, which include marksmanship and safety, map reading, first aid, and communication techniques. Physical challenges are also involved to build self-awareness.

JROTC II (280312)

» 2 semesters; 1 unit credit
 » Prerequisite: JROTC I

This course is a continuation of JROTC I and involves intermediate leadership training. Cadets will learn basic management skills, become physically conditioned, and practice problem solving in practical situations. The course will discuss career opportunities and the role of the army and technology.

JROTC III (280313)

» 2 semesters; 1 unit credit
 » Prerequisite: JROTC II

This course is a continuation of JROTC II. Cadets progress into an applied leadership situation with responsibilities of command and administrative duties including planning and execution of JROTC activities.

JROTC IV (280314)

» 2 semesters; 1 unit credit
 » Prerequisite: JROTC III

JROTC IV is a continuation of JROTC III and involves advanced leadership training. Completion of this level may lead to advanced rank at the college level and/or a JROTC college scholarship. Topics include drug awareness/prevention, military history, command and staff procedures, marksmanship, and career opportunities. Cadets will work toward completion of the President’s Physical Fitness Test.

SCIENCE

Advanced Placement Biology (260143)

» 2 semesters; 1 unit credit
 » Prerequisite: Biology and Chemistry
 » Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions.

Advanced Placement Chemistry (400523)

» 2 semesters; 1 unit credit
 » Prerequisite: Algebra II I
 » Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. 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.

Advanced Placement Environmental Science (260609)

» 2 Semesters; 1 unit credit
 » Prerequisite: 2 years of laboratory sciences
 » Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. Students cultivate their understanding of the interrelationships of the natural world through inquiry-based lab investigations and field work as they explore concepts like the four Big Ideas; energy transfer, interactions between earth systems, interactions between different species and the environment, and sustainability.

Advanced Placement Physics 1: Algebra-Based (400826)

» 2 semesters; 1 unit credit
 » Prerequisite: Geometry concurrently or have completed Algebra II
 » Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Physics 1 is an algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like systems, fields, force interactions, change, conservation, and waves.

Advanced Placement Physics C: Mechanics (400861)

» 2 semesters; 1 unit credit
 » Prerequisite: Calculus or concurrently taking calculus
 » Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Physics

C: Mechanics is a one-semester, calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like change, force interactions, fields, and conservation.

Biology (260131)

»2 semesters; 1 unit credit

Biology is a laboratory-based course that is designed to build a life science foundation emphasizing patterns, processes, and interactions among organisms. Students are expected to master conceptual understandings of the organization of life; the interdependence between organisms and their environment; the chemical composition of life; the role of DNA, RNA, and protein in cellular structure and function; inheritance; and evolution through the analysis of science literature, scientific investigations, and by forming and defending scientific claims with evidence.

Honors Biology (260131)

»2 semesters; 1 unit credit
»Weighted Course for GPA

This Biology course is for accelerated students. In this course, students will explore the fundamental concepts of biology through the study of living systems, their interactions, and the natural processes that sustain life. Students will engage in real-world data analysis and problem solving to develop critical thinking and scientific reasoning skills. Emphasis is placed on analytical reading and writing, allowing students to evaluate scientific texts, construct evidence-based explanations, and communicate scientific arguments clearly. Students will strategically apply mathematical concepts to analyze quantitative data, interpret experimental results, and solve biological problems. In addition, students will develop and use models to explain patterns, relationships, and interactions within biological systems. Honors Biology includes increased rigor and depth of study, preparing students for advanced science coursework and future academic success.

Botany (260311)

»1 semester; ½ unit credit

Botany is a laboratory-based course applying basic biological principles to the study of plants. Topics include morphological characteristics of each division and variation in their reproduction, physiology, taxonomy, evolution, and the interactions of human society and plants. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. It is recommended that Botany is taken after the successful completion of Biology.

Chemistry (400519)

»2 semesters; 1 unit credit
»Prerequisite: Algebra I and Biology
»Co-requisite: Algebra II

Chemistry is an elective and designed to be a rigorous course to prepare students for careers in science, technology, and engineering. Chemistry explores empirical concepts central to all areas of science. These concepts will be explored in-depth using both quantitative and qualitative analysis, computational and experimental rigor, and inquiry-based methods. Cornerstone objectives of chemistry that must be addressed and readdressed throughout the course are dimensional analysis, naming compounds, balancing equations, and stoichiometry. To be successful in Chemistry, it is recommended that students have completed Algebra I, and be enrolled in an upper level math course.

Earth and Space Science (260629)

»2 semesters; 1 unit credit

The Earth and Space science course provides opportunities for students to continue to develop and communicate a basic understanding of the Earth and its place in the universe through lab-based activities, integrated STEM activities, inquiry, mathematical expressions, and concept exploration. The Earth and Space science course will help students apply scientific concepts in natural settings and guide them to become responsible stewards of Earth's natural resources.

Environmental Science (260611)

»1 semester; ½ unit credit

Environmental science is a laboratory- or field-based course that explores ways in which the environment shapes living communities. Human sustainability and environmental balance are emphasized. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course.

Forensic Science (429903)

»1 semester; 1 unit credit
»Prerequisite - Chemistry

Forensic Science is a laboratory-based course that is designed to build upon science concepts from previous courses and apply science to the investigation of crime scenes. Students will learn the scientific protocols for analyzing data and items, chemical and physical separation methods to isolate and identify materials, how to analyze biological evidence, and the criminal use of tools, including impressions from firearms, tool marks, arson, and explosive evidence.

Foundations of Biology- 9th Grade Only (260628)

»2 semesters; 1 unit credit

Foundations of Biology is a research and inquiry-based course designed to give students the basic knowledge needed prior to attempting the rigorous Biology course required for graduation. This course is NOT a required prerequisite for Biology. Foundations of Biology should not be taken after the successful completion of Biology. Concepts covered in this course include the history of biology and its impacts on society, the chemistry of life, organization and energy in living systems, the molecular basis of heredity, biological evolution, and ecological principles.

Foundations of Science Literacy (260627)

»1 semester; ½ unit credit

Foundations of Science Literacy is designed as an inquiry-based ACT science

preparation course in which objectives from the ACT College and Career Readiness Standards - Science are included. The course also includes basic skills that include analyzing technical texts and graphics.

Genetics (260613)

»1 semester; ½ unit credit

Genetics is a laboratory-based course that explores the principles of classical and molecular genetics. The structure and function relationship of DNA forms the foundation for the study of DNA inheritance, RNA and protein production, and the resulting phenotypes in organisms. Classical Mendelian genetics is explored to analyze patterns of inheritance and genetic variability within populations. Multiple applications of biotechnology are investigated to address a variety of problems in modern society.

Human Anatomy and Physiology (260751)

»2 semesters; 1 unit credit

Human Anatomy and Physiology is a laboratory-based course that investigates the structures and functions of the human body. Core content emphasizes the structure and function of cells, tissues, and organs; organization of the human body and its biochemical composition; the skeletal, muscular, nervous, endocrine, digestive, respiratory, cardiovascular, integumentary, immune, urinary, and reproductive systems; and the impact of diseases on certain systems. Laboratory activities, research, the use of technology, and the effective communication of results through various methods are integral components of this course. It is recommended that Human Anatomy and Physiology be taken after successful completion of Biology.

Marine and Aquatic Science I (260625)

»1 semester; ½ unit credit

Marine and Aquatic Science I is a laboratory-based course that investigates the biodiversity of salt water and fresh water organisms, including their interactions with the physical and chemical environment. Science and engineering practices,

cross-cutting concepts, nature of science, and technology are incorporated into the standards. Special emphasis relating to human impacts and career opportunities are integral components of this course. Marine and Aquatic Science I must be taken before Marine and Aquatic Science II. It is recommended that Marine and Aquatic Science I and II be taken after the successful completion of Biology.

Marine and Aquatic Science II (260626)

»1 semester; ½ unit credit
»Prerequisite: Marine and Aquatic Science I

Marine and Aquatic Science II is a laboratory-based course that investigates the biodiversity of salt water and fresh water organisms, including their interactions with the physical and chemical environment. Science and engineering practices, cross-cutting concepts, nature of science, and technology are incorporated into the standards. Special emphasis relating to human impacts and career opportunities are integral components of this course. Marine and Aquatic Science I must be taken before Marine and Aquatic Science II. It is recommended that Marine and Aquatic Science I and II be taken after the successful completion of Biology.

Microbiology (260501)

»1 semester; ½ unit credit

Microbiology is a lab-based course that investigates microorganisms and the various roles they play in our living world. Topics explored in the class will include: identification of common microbes, culturing and staining microorganisms, host-microbe relationships and disease processes, and uses of microbiology in industry. Lab work involving microscopic investigations and aseptic techniques will be emphasized, along with critical thinking, problem solving and research.

Physical Science (400700)

»2 semesters; 1 unit credit

Physical Science provides opportunities for students to develop and communicate a basic understanding of physics and chemistry through lab-based activities, integrated STEM activities, inquiry, suitable mathematical expressions,

and concept exploration. The Physical Science course will prepare students for the transition to other science courses and to become informed citizens of a modern world that is constantly changing. To be successful in Physical Science, it is recommended that students have completed Algebra I or be enrolled in this math course.

Physics I (400820)

»2 semesters; 1 unit credit
»Prerequisites: Algebra II, Geometry, or Trigonometry

Physics provides opportunities for students to develop and communicate an understanding of matter and energy through lab-based activities, integrated STEM activities, mathematical expressions, and concept exploration. Concepts covered in this course include kinematics, dynamics, energy, mechanical and electromagnetic waves, and electricity. Laboratory activities, uses of technology, effective communication of results, and research of contemporary scientific theories through various methods are integral components of this course. To be successful in Physics, it is recommended that students have completed Algebra I, Geometry, and Algebra II and be enrolled in an upper-level math course.

Zoology I (260701)

»1 semester; ½ unit credit
»Prerequisite: Biology

Zoology I is a laboratory-based course that surveys the morphology, taxonomy, anatomy, and physiology of invertebrates. 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. It is recommended that Zoology I and/or Zoology II be taken after the successful completion of Biology. NOTE: Students do not have to complete Zoology I before enrolling in Zoology II.

Zoology II (260697)

►1 semester; ½ unit credit
►Prerequisite: Biology

Zoology II is a laboratory-based course that surveys the morphology, taxonomy, anatomy, and physiology of vertebrates. 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. It is recommended that Zoology I and/or Zoology II be taken after the successful completion of Biology. NOTE: Students do not have to complete Zoology I before enrolling in Zoology II.

SOCIAL STUDIES

Advanced Placement European History (450856)

►2 Semesters; 1 unit credit
►Weighted Course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP European History is an introductory college-level European history course. Students cultivate their understanding of European history through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like interaction of Europe and the world; economic and commercial developments; cultural and intellectual developments; states and other institutions of power; social organization and development; national and European identity; and technological and scientific innovation.

Advanced Placement Macroeconomics (450623)

►1 semester; ½ unit credit
►Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP Macroeconomics is an introductory college-level macroeconomics course. Students cultivate their understanding of the princi-

ples that apply to an economic system as a whole by using principles and models to describe economic situations and predict and explain outcomes with graphs, charts, and data as they explore concepts like economic measurements, markets, macroeconomic models, and macroeconomic policies.

Advanced Placement United States Government-Politics (451008)

►1 semester; ½ unit credit or 2 semesters; 1 unit credit
►Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text-based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis.

Advanced Placement United States History (450814)

►2 semesters; 1 unit credit
►Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP U.S. History is an introductory college-level U.S. history course. Students cultivate their understanding of U.S. history from c. 1491 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like American and national identity; work, exchange, and technology; geography and the environment; migration and settlement; politics and power; America in the world; American and regional culture; and social structures.

Advanced Placement World History (450836)

►2 semesters; 1 unit credit
►Weighted course for GPA

This is a preparatory course for those students wishing to take the National Advanced Placement Examination in order to earn college credit. AP World History: Modern is an introductory college-level modern world history course. Students cultivate their understanding of world history from c. 1200 CE to the present through analyzing historical sources and learning to make connections and craft historical arguments as they explore concepts like humans and the environment, cultural developments and interactions, governance, economic systems, social interactions and organization, and technology and innovation.

Advanced World Geography (450711)

►2 semesters; 1 unit credit

Advanced World Geography focuses on understanding the systems and processes that produce the features and patterns that lie on the Earth's surface and appear on maps and globes. Themes include relationships and interdependencies among countries that are produced by global, political, socio/cultural, economic systems, the dynamic interaction between human activity and the physical environment; human use of resources, and the importance of culture in shaping the unique ways of life in places and regions around the world.

African-American Studies (230425)

►2 semesters; 1 unit credit

A survey course that studies the contributions Africa has made to the development of the world in general and the social, political, cultural, and economic development of the United States, in particular.

Economics (450601)

►1 semester; ½ unit credit

Economics provides an awareness of the relationship of world economic systems. The student will study the American economic system and the impact of that

system in a global setting. Students will develop an understanding of micro-economics and macroeconomics from individual finances to world economic organizations.

History of the Ancient Middle East (459904)

►2 semesters; 1 unit credit

History of the Ancient Middle East provides a deep historical perspective on the classical periods of the Middle East from 2000 B.C. to 100 A.D.

Introduction to World Geography (450704)

►1 semester; ½ unit credit

This course requires students to focus on understanding the systems and processes that produce the features and patterns that lie on Earth's surface and appear on maps and globes.

Law Related Education (220101)

►1 semester; ½ unit credit

Law Related Education gives students an understanding of the legal process and the legal system as it relates to youth and adults. A greater awareness of local, state, and federal law will be gained by students. Topics include change in law over time, tort law, family law, and criminal law. Students will read different sources critically and make arguments orally in writing and based on evidence in support of a clearly defined thesis.

Minority Studies (0502110)

►1 semester; ½ unit credit

This interdisciplinary survey examines the diverse cultural, economic, historical, political, and social aspects of American minority communities.

Mississippi Studies (450705)

►1 semester; ½ unit credit

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.

Psychology I (420111)

►1 semester; ½ unit credit

Psychology I 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."

Psychology II (420109)

►1 semester; ½ unit credit
►Prerequisite: Psychology I

Psychology II is a continuation of Psychology I and 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."

Problems of American Democracy (451017)

►1 semester; ½ unit credit

The Problems of American Democracy course enhances students' understanding of U.S. history while developing critical thinking skills. Through primary source analysis of speeches, legislation, and Supreme Court rulings. Students explore key historical events and their lasting impact on democracy. Students refine analytical skills, evaluate historical narratives, and cultivate informed, engaged citizenship skills.

Sociology (451121)

►1 semester; ½ unit credit

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 interaction shapes both individual and group behaviors. The analysis of the rules, organizations, and value systems that enable people to live together will also be an area of emphasis.

United States Government (451004)

►1 semester; ½ unit credit

U.S. Government provides an understanding of the foundations of the United States government, an understanding of the inalienable rights, civil rights, civil liberties of an American, the duties and responsibilities of citizens of the United States, the American political process, the three branches of United States government, and relates the study of United States government to current issues.

United States History: Post-Reconstruction to Present (450811)

►2 semesters; 1 unit credit

U. S. History- Post-Reconstruction to Present requires students to examine the major turning points in American history.

Western Civilization (300411)

►1 semester; ½ unit credit

This course is a survey of the art, literature, culture, and enduring ideas that emerged from the time period of the Ancient River Valley Civilizations through the Renaissance.

World History: Enlightenment to Present (450835)

►2 semesters; 1 unit credit

This World History course focuses on the development, connections, and global influences of the "Western World." 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.

SPECIAL EDUCATION

Objectives for these courses are based upon each student's Individualized Education Plan (IEP) and the appropriate diploma option.

COLLEGE- AND CAREER- READINESS

College- and Career- Readiness Course (110410)

»2 semesters; 1 unit credit

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. In addition, students will develop a portfolio that uniquely demonstrates the culmination of their proficiency in academics and 21st Century Skills by allowing them to communicate their preparedness of 21st Century Skills and knowledge of post-secondary and career interests.

CAREER TECHNICAL EDUCATION APPROVED COURSE DESCRIPTIONS

AGRICULTURE AND NATURAL RESOURCES

Fundamentals of Agricultural and Natural Resources (991102)

»2 semesters; 1 unit credit

This 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 and basic principles of plant, animal, and soil science.

Agricultural and Natural Resources: Soils and Ag Lab Operations (991103)

»2 semesters; 1 unit credit

This course is designed to provide knowledge and skills concerning basic mechanical technologies in the field.

Agricultural and Natural Resources: Environmental Science (991104)

»2 semesters; 1 unit credit

This course is designed to provide 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.

Agricultural and Natural Resources: Equipment Operation and Business MGT (991105)

»2 semesters; 1 unit credit

This course is designed to provide instruction on basic agriculture-construction techniques and agriculture business-management and processes.

Exploration of Agriscience (993459)

»2 semesters; 1 unit credit

This course is intended to introduce middle school students to agriscience. The course focuses on providing an

opportunity for students to explore the different fields in agricultural sciences, including Mississippi-based agriculture, and develop foundational skills and knowledge needed for advancement in other courses and programs.

Principles of Agriscience (993460)

»2 semesters; 1 unit credit

This course serves as an introduction to the sciences, technologies, and applied practices of the progressive agriculture/agriscience industry. Emphasis is on an active learning environment enriched with technology-based and science-based applications. The course focuses on providing an opportunity for students to explore the different fields of the agricultural sciences and develop foundational skills and knowledge needed for advancement in other courses and programs. This course is recommended for students in grades 9 or 10.

Agriculture & Natural Resources I (991100)

»2 semesters; 2 units credit

This 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 & Natural Resources II (991101)

»2 semesters; 2 units credit
»Prerequisite: Agriculture & Natural Resources I

This 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.

ARCHITECTURE AND DRAFTING

Concepts of Drafting (994302)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course includes an introduction to the field as well as fundamentals of safety, math, geometric construction, orthographic projection, and computer-aided drafting (CAD) applications.

Drafting and Design (994303)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course emphasizes an overview of safety and an in-depth study of the elements of drafting. It gives students real-world, hands-on practice in these areas. This one-Carnegie-unit course should only be taken after the student successfully passes Concepts of Drafting.

Architectural Drafting (994304)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course includes a study of mathematics used in drafting and techniques used in residential and commercial drafting. It also reinforces safety related to the drafting and design industry. This course should only be taken after the student successfully passes Drafting and Design.

Architectural Drafting Application (994305)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course is a continued study of residential drafting techniques. It includes a study of the uses of drafting and design in today's global marketplace. This course

should only be taken after the student successfully passes Architectural Drafting.

AUTOMOTIVE SERVICE TECHNICIAN

Automotive Service Fundamentals I (997002)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains an introduction to shop operations, safety, tools and equipment, and preparing the vehicle for both service and the customer. The engine repair unit focuses on the overall internal combustion engine, cylinder and valve train, and lubrication and cooling systems. It also contains an introduction to disc brakes and drum brakes.

Automotive Service Fundamentals II (997003)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains an introduction to electrical/electronic information and terminology including electrical/electronic system theory, battery systems, starting systems, and charging systems. The electrical/electronic systems unit contains information on lighting systems, concepts of gauges, warning devices, driver information systems, horn system, wiper/washer system, and accessories system diagnostic repair. This course also includes information for the service and maintenance to the heating, ventilation, and engine cooling system. This course should only be taken after students successfully pass Automotive Service Fundamentals I.

Automotive Service Fundamentals III (997004)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains a review on shop operations, safety, tools and equipment, and preparing the vehicle for both service and the customer. This course contains general suspension/steering theory; steer-

ing system inspection, diagnosis, and repair; concepts of front, rear, and miscellaneous systems; and wheel/tire alignment concepts. The engine performance unit contains information on fuel, air induction, and exhaust systems. This course should only be taken after students successfully pass Automotive Service Fundamentals II.

Automotive Service Fundamentals IV (997005)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains an introduction to both automatic and manual drivetrain. This course also covers axles, related brake systems, antilock brakes, and traction control systems. This course should only be taken after students successfully pass Automotive Service Fundamentals III.

BUSINESS, MARKETING, AND FINANCE

Fundamentals of Business (992404)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course is an introduction to personal and professional preparation and careers in the field of business, marketing, and finance. Much of this course relates to leadership, ethics, personal finance, and basic economics. Students are introduced to various student organizations and other topics as well, including safety in the workplace and personal financial income and decision-making. Participation in a student organization, field experiences, internships, and job shadowing is ongoing. Students will continue to develop skills toward meeting requirements for the ESB credential.

Marketing (992403)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course leads to mastery of the fundamentals of marketing, along with market research and analysis. Students will

also spend time exploring careers in the business field, while practicing the skills necessary for career readiness. Students will continue to develop skills toward meeting requirements for the ESB credential and heavily participate in student organizations, field experiences, internships, and job shadowing.

Management and Entrepreneurship (992309)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course is a continuation of year one, and students will continue to develop educational, career, and professional plans in the business field. This course includes topics related to human resource management along with strategic and operations management. Students will also determine skills needed to become an entrepreneur. Students will continue to develop skills toward meeting requirements for the ESB credential and heavily participate in student organizations, field experiences, internships, and job shadowing.

Finance (992003)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

The major topics of this course include financial and managerial accounting, along with budgets and forecasting in finance. Students will develop financial statements and budgets, as well as dive into the vast world of macroeconomics. Further exploration of employment opportunities in business will continue in this course. Students will continue to develop skills toward meeting requirements for the ESB credential and heavily participate in student organizations, field experiences, internships, and job shadowing.

COLLISION REPAIR TECHNICIAN: PAINT

Fundamentals of Collision Repair (997102)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains information on safety, tool identification/use, employability skills, collision estimating, service specification and service information, measurement, personal/business finance, and damage analysis, estimating, and customer service.

Intermediate Painting and Refinishing (997103)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains information and skills relating to damage analysis, estimating and customer service, and painting and refinishing: surface preparations.

Advanced Fundamentals of Collision Repair (997104)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains information on safety, employee information, paint mixing/matching, business skills, advanced safety precautions and equipment, surface preparation, spray gun and related equipment, and paint mixing, matching, and applying.

Advanced Painting and Refinishing (997105)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course contains information and skills relating to paint defects, causes, and cures; final detail practices; and non-structural analysis and damage repair.

CONSTRUCTION

Safety and Orientation to Construction (993102)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course focuses on the NCCER Learning Series Core. It addresses work-based learning opportunities, student organizations, and leadership skills. Students will demonstrate basic safety practices within the classroom shop area and within the industrial carpentry setting. They will apply construction math, use and maintain hand and power tools, and read blueprints, all the while developing communication and employability skills.

Introduction to Construction (993103)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course emphasizes an overview of construction-related trades, including carpentry. It covers topics including selecting building materials and fasteners, interpreting construction plans and documentation, utilizing measurement and leveling tools. This course gives students' real-world, hands-on practice in these areas. This course should be taken only after students successfully pass the Safety and Orientation to Construction course.

Theory and Application of Carpentry I (993111)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course identifies the foundational skills and knowledge required for a professional carpentry career. It covers planning site and building layouts and it also prepares students for assembling floor systems. Students will follow safety procedures and will learn the importance of following verbal and written instructions effectively in on-the-job situations all while adhering to industry standards, construction building codes, and safety protocols. This course should be taken only after students successfully pass the Introduction to Construction course.

Theory and Application of Carpentry II (993112)

►1 semester; 1 unit credit
►Offered at the Pearl | Rankin Career & Technical Center

This course incorporates advanced carpentry skills. It covers topics including calculating framing materials needed to construct wood and steel frame wall systems and it investigates materials and processes used to construct roof frames. It also covers constructing basic stair layouts and then allows students to correctly install building envelope systems. This course should be taken only after students successfully pass the Theory and Application of Carpentry I course.

CULINARY ARTS

Orientation to Culinary Arts (996002)

►2 semesters; 1 unit credit

This course identifies the foundational skills necessary for students to be successful in the foodservice industry. Content includes the history and overview of the industry, safety and sanitation, standardized recipes, and culinary math used in the foodservice industry.

Theory & Application of Culinary Arts I (996004)

►2 semesters; 1 unit credit

This course examines additional fundamentals of the foodservice industry, including an exploration of standard kitchen equipment and various food preparation techniques. The content also includes insights into the basics of the bake shop.

Theory & Application of Culinary Arts II (996005)

►2 semesters; 1 unit credit

This course begins with examining industry standards material, followed by basic nutrition and beginner-level skills related to food management and food safety. Students who adequately master this course content will have an expanded understanding and foundation

of the foodservice industry standards and expectations.

Advanced Studies in Culinary Arts (996006)

»2 semesters; 1 unit credit

This course explores additional food preparation practices, including more complex preparation techniques for baked goods. Content also includes a detailed overview and hands-on practice of basic culinary business skills to prepare students for successful entry into the field.

CULINARY ARTS - HINDS

Orientation to Culinary Arts (996002)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course identifies the foundational skills necessary for students to be successful in the foodservice industry. Content includes the history and overview of the industry, safety and sanitation, standardized recipes, and culinary math used in the foodservice industry.

Theory & Application of Culinary Arts I (996004)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course examines additional fundamentals of the foodservice industry, including an exploration of standard kitchen equipment and various food preparation techniques. The content also includes insights into the basics of the bake shop.

Theory & Application of Culinary Arts II (996005)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course begins with examining industry standards material, followed by basic nutrition and beginner-level skills related to food management and food safety. Students who adequately master this course content will have an

expanded understanding and foundation of the foodservice industry standards and expectations.

Advanced Studies in Culinary Arts (996006)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course explores additional food preparation practices, including more complex preparation techniques for baked goods. Content also includes a detailed overview and hands-on practice of basic culinary business skills to prepare students for successful entry into the field.

MULTIMEDIA

Multimedia Core (010801)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course offers a robust introduction to the multimedia production realm, equipping students with key principles of design, digital citizenship, and 21st-century skills crucial for industry success. Students engage in practical learning through photo and video editing, camera operations, and targeted content creation, culminating in the publication of their work on diverse multimedia platforms. This course lays a strong foundation for digital literacy, ethical media production, and career readiness, fostering both technical proficiency and adaptability to the ever-changing multimedia landscape.

Multimedia–Digital Design (010892)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course offers a comprehensive journey through multimedia and graphic design principles, aimed at equipping students with essential skills for the digital age. Beginning with safety, legalities, and digital citizenship, the curriculum progresses through photo editing, layout, and typography, emphasizing practical applications and copyright awareness. Students engage in branding and logo design, exploring audience-targeted

communication. The program culminates with creating impactful digital content for diverse media platforms, preparing students for a future in the dynamic field of digital design.

Multimedia–Digital Video Production (010893)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course equips students with hands-on experience in the video production process, from initial concept to final broadcast. Covering camera techniques, audio and lighting, and post-production editing, the curriculum prepares students for the technical and creative aspects of video creation, while learning to refine visuals and sound, manage production stages, and finalize content for various platforms. The program culminates with skills in live and digital broadcasting, ensuring students are ready to engage audiences and meet industry standards in the multimedia landscape.

Multimedia–Capstone (TBA)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

TBA

EARLY CHILDHOOD EDUCATION

Fundamentals of Early Childhood Education (996202)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course is an introduction to personal and professional preparation for a career in the field of early childhood education. Students are introduced to guidelines and regulations governing childcare facilities. Students will learn the components of child development for infant to three-year-old children. Participation in a student organization, field experiences, internships, and job-shadowing will be introduced in this course. Students will begin to develop skills and maintain docu-

mentation toward meeting requirements for the CDA credential.

Child Development (996203)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

The course continues with child development but focusing on children four years of age and those with special needs. Other topics covered include using developmentally appropriate knowledge to design policies that promote the health and safety of children in a childcare facility. Students will continue exposure to field experiences, such as internships and job-shadowing, as well as develop skills and maintain documentation toward meeting requirements for the CDA credential.

The Learning Environment (996204)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course continues to emphasize knowledge in the areas of educational, career, and professional plans for the field of early childhood. The major topic of this course includes curriculum planning and scheduling in an early childhood program. Students will develop age-appropriate activities and create lesson plans that encompass all areas of child development. Methods of child guidance techniques are also introduced in this course. Students will participate in field experiences, internships, and job-shadowing on a more in-depth level. Students will continue to develop skills and maintain documentation toward meeting requirements for the CDA credential.

Management of a Quality Child Care Program (996205)

»1 semester; 1 unit credit

»Offered at the Pearl / Rankin Career & Technical Center

This course includes methods and strategies that enhance the quality of a childcare program as it relates to parental and community involvement. Cultural diversity will be a major topic for this course. Students will develop skills to promote

cultural awareness and inclusiveness in a program. Participation in field experience, internships, and job-shadowing will continue on the most in-depth level. Students will also continue to develop skills and documentation toward meeting requirements for the CDA credential.

EDUCATOR PREPARATION

Foundations of an Educator (996302)

»2 semesters; 1 unit credit

This course provides students with the opportunity to gain foundational skills needed to enhance as learners, future educators, and communicators. Students receive history, theory, and professionalism needed to understand the educational system. Students should have the opportunity to observe skills learned in class in various educational settings.

Practices of an Educator (996303)

»2 semesters; 1 unit credit

This course provides students with the opportunity to gain knowledge and practice needed to enhance themselves as future educators. Students receive practice in communication skills, planning, teaching, and assessment strategies needed for the educational system. Students should have the opportunity to observe and/or practice skills learned in the course in various educational settings using the school-to-career skills obtained in the course.

Applications of an Educator (996304)

»2 semesters; 1 unit credit

This course provides students with the opportunity to gain knowledge and understand advanced information that must be instilled in educators. Students receive information pertaining to advanced communication skills, diverse learners, and various subject areas needed to work in the educational system. Students should have the opportunity to observe and/or practice skills learned in the course in various educational settings using the school-to-career skills obtained in the course.

Progressive Practices of an Educator Academy (996305)

»2 semesters; 1 unit credit

This course provides students with the opportunity to gain knowledge and understand progressive practices that must be instilled in educators. Students receive information pertaining to advanced planning instruction, teaching strategies, assessment, and professional learning needed to work in the educational system. Students should have the opportunity to observe and/or practice skills learned in the course in various educational settings.

ENHANCEMENT COURSES

Contemporary Health (340133-ACA or 200140-CTE)

»1 semester; ½ unit credit

This is a course that develops personal, social, and mental health skills. It includes instruction on human growth and development, disease prevention and control, substance abuse and prevention, community and environmental health, safety, and first aid.

Family Dynamics (200121)

»1 semester; ½ unit credit

This is a course that focuses on developing skills related to personal, family, and social issues. It includes instruction in dimensions of adolescent development, family decisions and responsibilities, social decisions and responsibilities, and management of family systems today.

Nutrition and Wellness (200130)

»1 semester; ½ unit credit

This course is a course designed to help develop skills related to proper nutrition and the concept of overall wellness. It includes instruction in nutrition, exercise and diet, healthy food choices, meal preparation, and components for a healthy lifestyle.

Child Development (200122)

»1 semester; ½ unit credit

This course is a course centered on developing 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, the needs of exceptional children, and career opportunities.

Resource Management (200129)

»1 semester; ½ unit credit

This course addresses the identification and management of personal resources and family finances to meet the needs and wants of individuals and families throughout the family life cycle, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors.

HEALTH SCIENCE

Health Science Core I (995102)

»2 semesters; 1 unit credit

Year 1 - This course introduces students to the field of health science. Students will spend time researching and discovering the vast amount of career choices in health care, as well as be introduced to Health Occupations Students of America (HOSA), the student organization for health science. They will cover topics including safety, infection control, legal and ethical practices, and medical terminology. Health Science Core I will conclude with the basic anatomy and physiology of the integumentary system, along with common diseases and disorders that affect this system.

Health Science Core II (995103)

»2 semesters; 1 unit credit

Year 2 - This course continues with the basic anatomy and physiology of various body systems. These include the muscular, cardiovascular, respiratory, digestive, urinary, lymphatic, nervous, endocrine, and reproductive systems, along with sensory organs. Students will learn

the signs, symptoms, treatments, and prevention methods of diseases/disorders associated with each system. The Health Science Core II class ends by preparing students for employment and for the next year of the program. Students will dive deeper into various careers of their choice and create a digital portfolio to be used for class and for career advancement.

Healthcare and Clinical Services I (995104)

»2 semesters; 1 unit credit

Year 3 - This course introduces students to many of the basic medical skills that all healthcare professionals must possess. At the beginning of each unit, the students explore various career options available and learn some basic information about that specific field of healthcare. In this course, students review necessary safety procedures and then move into emergency services, learning skills related to basic life support, first aid, and how to record and interpret vital signs. After an overview of human growth and development, the students then jump back into the various services/fields in health care, learning about careers and various skills in each area with units on sports medicine and rehabilitative services.

Healthcare and Clinical Services II (995105)

»2 semesters; 1 unit credit

Year 4 - This course is a continuation of the exploration of careers and skills in various health care fields. The course begins with a substantial amount of time spent on medical and nursing services, where students learn the basic skills necessary to pursue a career in nursing. After that, students learn about nutrition, dietetics, respiratory care, mental health services, pharmacology, laboratory services, and medical imaging. After a brief overview of health information management, students finish the course with a unit on employment opportunities in healthcare. This final unit will have them apply for jobs, participate in interviews, create resumes and cover letters, and more.

Health Science Core I (995102)

»2 semesters; 1 unit credit

Year 1 - This course introduces students to the field of health science. Students will spend time researching and discovering the vast amount of career choices in health care, as well as be introduced to Health Occupations Students of America (HOSA), the student organization for health science. They will cover topics including safety, infection control, legal and ethical practices, and medical terminology. Health Science Core I will conclude with the basic anatomy and physiology of the integumentary system, along with common diseases and disorders that affect this system.

Health Science Core II (995103)

»2 semesters; 1 unit credit

Year 2 - This course continues with the basic anatomy and physiology of various body systems. These include the muscular, cardiovascular, respiratory, digestive, urinary, lymphatic, nervous, endocrine, and reproductive systems, along with sensory organs. Students will learn the signs, symptoms, treatments, and prevention methods of diseases/disorders associated with each system. The Health Science Core II class ends by preparing students for employment and for the next year of the program. Students will dive deeper into various careers of their choice and create a digital portfolio to be used for class and for career advancement.

Sports Medicine: Theory and Application I (995202)

»2 semesters; 1 unit credit

Year 3 - This course provides a solid foundation for careers in the sports medicine field. After a brief review of safety and communication, this course breaks down the various members of the sports medicine team and their respective roles. This is followed by a unit on health care administration, which covers how medical care is administered, recorded, processed, and stored, and how to perform mass athletic physical examinations. Students will then learn about taping and bracing in sports, followed by a significant amount of time

on first aid, CPR, and other emergency care services in sports.

Sports Medicine: Theory and Application II (995203)

»2 semesters; 1 unit credit

Year 4 - This course introduces students to the various injuries to the head, spine, chest, abdomen, and upper and lower extremities that commonly occur in sports. In each injury unit, students will cover all basic anatomy for that region of the body, common injuries to that area and mechanisms of each, and common medical field tests for those injuries. Then, students will conduct an evaluation and develop a treatment plan for a particular injury. After spending a significant amount of time on this, the course concludes with introductory lessons on training and conditioning techniques, nutrition in sports, and pharmacology, followed by the final unit on employment opportunities in health care.

HEALTH SCIENCE - HINDS

Health Science Core I (995102)

»1 semester; 1 unit credit

»Offered at the Pearl | Rankin Career & Technical Center

This course introduces students to the field of health science. Students will spend time researching and discovering the vast amount of career choices in health care, as well as be introduced to Health Occupations Students of America (HOSA), the student organization for health science. They will cover topics including safety, infection control, legal and ethical practices, and medical terminology. Health Science Core I will conclude with the basic anatomy and physiology of the integumentary system, along with common diseases and disorders that affect this system.

Health Science Core II (995103)

»1 semester; 1 unit credit

»Offered at the Pearl | Rankin Career & Technical Center

This course continues with the basic anatomy and physiology of various body systems. These include the muscular,

cardiovascular, respiratory, digestive, urinary, lymphatic, nervous, endocrine, and reproductive systems, along with sensory organs. Students will learn the signs, symptoms, treatments, and prevention methods of diseases/disorders associated with each system. The Health Science Core II class ends by preparing students for employment and for the next year of the program. Students will dive deeper into various careers of their choice and create a digital portfolio to be used for class and for career advancement.

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This course is a continuation of the exploration of careers and skills in various health care fields. The course begins with a substantial amount of time spent on medical and nursing services, where students learn the basic skills necessary to pursue a career in nursing. After that, students learn about nutrition, dietetics, respiratory care, mental health services, pharmacology, laboratory services, and medical imaging. After a brief overview of health information management, students finish the course with a unit on

employment opportunities in health-care. This final unit will have them apply for jobs, participate in interviews, create resumes and cover letters, and more.

INTERACTIVE MEDIA TECHNOLOGY

Foundations of Interactive Media Technology (994402)

»1 semester; 1 unit credit

»Offered at the Pearl | Rankin Career & Technical Center

This course introduces students to the essential skills and knowledge necessary for success in the interactive media industry. Key areas of focus include safety, ethical issues, career exploration, and foundational technical skills. Students will learn the basics of UI/UX, pre-production processes, and begin building a professional portfolio.

Interactive Media Design and Development (994403)

»1 semester; 1 unit credit

»Offered at the Pearl | Rankin Career & Technical Center

Building on the foundations course, students will delve deeper into the principles and practices of interactive media design. They will explore game mechanics, 3D asset creation, environment and level design, and UI/UX design. Emphasis is placed on hands-on projects and refining their portfolio.

Advanced Game Design and Interactive Applications (994404)

»1 semester; 1 unit credit

»Offered at the Pearl | Rankin Career & Technical Center

This course focuses on advanced topics in game design and interactive media, including localization, quality assurance, user testing, and multiplayer design. Students will engage in mentorship and apprenticeship opportunities, receive industry feedback, and refine their portfolios with advanced projects.

Capstone Project in Interactive Media Technology (994405)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

The capstone course provides students with the opportunity to apply their knowledge and skills in a comprehensive project. Working in teams, students will develop a significant interactive media project from concept to completion. The course culminates in a showcase presentation, allowing students to demonstrate their work to an audience.

MULTIMEDIA CORE (BROADCASTING)

Multimedia Core (010801)

»2 semesters; 1 unit credit

This course offers a robust introduction to the multimedia production realm, equipping students with key principles of design, digital citizenship, and 21st-century skills crucial for industry success. Students engage in practical learning through photo and video editing, camera operations, and targeted content creation, culminating in the publication of their work on diverse multimedia platforms. This course lays a strong foundation for digital literacy, ethical media production, and career readiness, fostering both technical proficiency and adaptability to the ever-changing multimedia landscape.

Multimedia–Broadcast Foundations (010890)

»2 semesters; 1 unit credit

This course provides a comprehensive introduction to the broadcasting industry, emphasizing practical skills and understanding of media’s evolution. Students learn the intricacies of scriptwriting, the nuances of on-air performance, and the technical aspects of television editing and studio control. With an emphasis on safety, leadership, and legal compliance, this pathway prepares students for the demands of the field, blending theoretical knowledge with hands-on experience to ensure they are well-equipped for various roles in broadcasting and media production.

Multimedia–Digital Video Production (010893)

»2 semesters; 1 unit credit

This course is a one-credit course within the Arts, A/V Technology & Communications pathway that equips students with hands-on experience in the video production process, from initial concept to final broadcast. Covering camera techniques, audio and lighting, and post-production editing, the curriculum prepares students for the technical and creative aspects of video creation, while learning to refine visuals and sound, manage production stages, and finalize content for various platforms. The program culminates with skills in live and digital broadcasting, ensuring students are ready to engage audiences and meet industry standards in the multimedia landscape.

Multimedia–Capstone

»2 semester; 1 unit credit

TBA when released from MDE.

WORK-BASED LEARNING

Work Based Learning Credit-Bearing Course I (995010)

Work Based Learning Credit-Bearing Course II (995011)

The WBL credit-bearing courses, Work-Based Learning I and Work-Based Learning II, give Mississippi high school students the opportunity to earn Carnegie credit for participating in career training work experiences. The main purpose of the WBL credit-bearing courses is to provide students with structured work experiences guided by WBL coordinators and business/industry partners. While some classroom instruction may be appropriate, the WBL credit-bearing courses are not classroom-based and the number of Carnegie credits students receive is based on the number of hours that students participate in career training work experiences while enrolled in a WBL course. Students may receive up to 2 Carnegie credits in each WBL course.

- 70-139 hours – 0.5 credits earned
- 140-279 hours – 1 credit earned
- 280 hours and above – 2 credits earned

WELDING

Orientation and Cutting (993302)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course focuses on the NCCER Learning Series Core. It addresses work-based learning opportunities, student organizations, and leadership skills. Students will demonstrate basic safety practices within the classroom shop area and within the industrial welding setting. They will apply construction math, use and maintain hand and power tools, read blueprints and interpret welding symbols all the while developing communication and employability skills. Students will follow safe materials handling procedures and perform multiple cutting techniques while operating oxyfuel torch equipment.

Shielded Metal Arc Welding (SMAW) (993303)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course introduces students to Shielded Metal Arc Welding (SMAW). Students will understand and demonstrate safe welding practices. They will identify and properly configure equipment such as SMAW cables, connectors, and tools. Critical course topics include exploring the use of SMAW electrodes, studying the classification system, and then selecting and properly handling the electrodes for distinctive tasks. Technical mastery of skills that include preparing the work area, striking an arc, producing a variety of weld bead types, and completing fillet welds in multiple positions. This 1-Carnegie-unit course should only be taken after students have successfully completed “Orientation and Cutting.”

Advanced Welding I (993304)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course focuses on specialized welding symbols used in blueprints and drawings. Students will learn about Plasma Arc Cutting (PAC), Air Carbon Arc Cutting

(A-CAC), and advanced techniques used in SMAW. It explores welding safety when preparing base metals, joint fit-up and alignment, weld quality, cutting processes, and SMAW groove welds with backing. Students prepare and fit up joints, interpret welding symbols concerning welding drawings, and perform non-destructive and destructive weld testing practices. This 1-Carnegie-unit course should only be taken after students have successfully completed “Shielded Metal Arc Welding (SMAW).”

Advanced Welding II (993306)

»1 semester; 1 unit credit
»Offered at the Pearl | Rankin Career & Technical Center

This course focuses on a variety of SMAW open-root groove welds, Gas Metal Arc Welding (GMAW), Flux Core Arc Welding (FCAW), and Gas Tungsten Arc Welding (GTAW). Students will demonstrate safe equipment handling as well as setup and cleanup procedures as they enhance their welding techniques. They will incorporate filler metals, multiple pass GTAW fillet and groove welds executed on carbon steel coupons in multiple positions. This course trains students regarding welding processes producing quality bead and fillet welds, and V-groove welds on alloys and carbon steel. This 1-Carnegie-unit course should only be taken after students successfully complete “Advanced Welding I.”

PEARL-RANKIN CAREER AND TECHNICAL CENTER

The Pearl-Rankin Secondary Career and Technical Center is a specialized educational institution affiliated with Hinds Community College - Rankin Campus. Catering to 10th-12th grade students, the center provides a unique and focused learning environment with a variety of career and technical programs. Students enrolled in these programs have the opportunity to earn up to 4 credits toward their graduation requirements.

With a total of 11 distinct programs, the center aims to equip students with practical skills and knowledge that will prepare them for future careers or further education. These programs likely cover a range of vocational and technical fields, allowing students to explore and develop expertise in areas such as technology, healthcare, business, or other specialized industries.

Located within the Hinds Community College - Rankin Campus, the Pearl-Rankin Career and Technical Center benefits from its association with a larger educational institution, providing students with access to additional resources and a comprehensive learning environment. Overall, the center plays a crucial role in shaping the educational and career paths of high school students, offering them valuable experiences and opportunities for personal and professional growth. Transportation will be provided by the home school.

COLLEGE PLANNING

The high school course requirements set forth below are applicable to students graduating from high school and entering a public institution of higher learning. Click the link below for more information.

[Freshman Admission Requirements For University System Institutions College Preparatory Curriculum](#)

Scholarships

Scholarships vary in amount and are awarded on the basis of achievement, talent, and personal qualities. Scholarships are gifts and do not have to be repaid. The strength of the curriculum, a student's grade point average, SAT/ACT scores, extracurricular activities, community service, and individual financial need determine the majority of scholarship winners.

The top four categories for scholarship opportunities include:

1. Academic Scholarships
Based on student's cumulative grade-point average for grades 9-12 and college entrance exam scores
2. Talent
An audition, performance competition, or portfolio may be required. Talent is based on student's participation in art, music, and drama.
3. Athletic
Based on student's athletic ability and coaches' recommendations
4. Miscellaneous
Includes memorial scholarships, trust funds, community organizations, professional organizations, employers, and union scholarships

Tips for Applying for Scholarships

- Research individual college scholarship programs by checking websites for scholarship offers and financial aid opportunities.
- Speak to your high school counselor about the availability of scholarships.
- Explore a variety of scholarship possibilities via church, work, community, and various school activities.
- Check college scholarship and financial aid websites regularly for opportunities and applications.

INTERNET RESOURCES

<https://get2college.org/> - advice and strategies for financial aid for college (800-986-4322, located on Lakeland Drive in Jackson, MS)

www.collegeboard.org - information about colleges and college placement entrance exams

www.fastweb.com - find scholarship money for college; get expert tips on careers and financial aid

<http://www.msfinancialaid.org> - comprehensive information about post-secondary education in Mississippi

www.mappingyourfuture.org - assistance in making decisions about careers and post-secondary educational opportunities

ACT Results and Grades Determine Scholarship Opportunities

*** This list is not inclusive of all the post-secondary institutions in Mississippi. ***

ACT SCORE	SCHOLARSHIP OPPORTUNITY (BASED ON ACT SCORE AND GPA)
15	MTAG (MISSISSIPPI RESIDENT TUITION ASSISTANCE GRANT) \$500 FOR FRESHMAN/SOPHOMORE YEAR AND \$1000 FOR JUNIOR/SENIOR YEAR IF HIGH SCHOOL GPA IS 2.5+; MS RESIDENT FOR ONE YEAR
20	HELP SCHOLARSHIP (HIGHER EDUCATION LEGISLATIVE PLAN) TUITION AND REQUIRED FEES FOR NO MORE THAN 8 SEMESTERS AT A PUBLIC INSTITUTION (FAMILY ADJUSTED GROSS INCOME CONSIDERED. SEE WEBSITE FOR DETAILS HELP - HIGHER ED LEGISLATIVE PLAN
29	MESG (MISSISSIPPI EMINENT SCHOLARS GRANT) \$2500 PER YEAR, (GPA OF 3.5; MS RESIDENT FOR 1 YEAR)

Academic Common Market:

Students selecting an academic major that is not offered in Mississippi may be able to attend college in another southern public college or university without paying out-of-state tuition. For information, visit *the Mississippi IHL page on the Academic Common Market.*

Rankin County School District

TRADITION OF EXCELLENCE

COMMUNITY
BUSINESS
PRINCIPALS
STUDENTS
TEACHERS
SCHOOL BOARD
SUPERINTENDENT
FAMILIES

