

PROGRAM OF STUDIES

2027-2028

BERKELEY COUNTY SCHOOLS
FOUNDED 1862

NOTICE

Parents and Students: Please read this Program of Studies carefully.

The information contained in this guide outlines the graduation requirements, course offerings, policies, and procedures that students must follow to graduate from a Berkeley County high school.

Students are responsible for ensuring that all graduation requirements are successfully completed. Please review this information carefully and make sure you understand the requirements needed to earn a high school diploma.

If you have questions or need assistance, please contact your school counselor or principal. They are available to help you understand requirements and plan for academic success.

The **Berkeley County Schools Program of Studies** is designed to provide students and families with important information about high school planning and graduation requirements. Because graduation requirements may change due to revisions to **West Virginia Policy 2510**, the most current version of the Program of Studies will be available at www.berkeleycountyschools.org/programofstudies or by scanning the QR code on the front cover.

The Program of Studies includes:

- Course Descriptions
- Graduation Requirements
- Career and Technical Education Programs
- Academic and Instructional Programs
- College Admission Requirements
- Postsecondary Planning and Preparation and more

Remember: High school counselors encourage students and families to schedule an appointment to discuss academic plans, graduation requirements, college and career goals, and any questions or concerns you may have.

Rev. 9-9-2026

BERKELEY COUNTY SCHOOLS

PRINCIPALS AND COUNSELORS - Middle/High School

Hedgesville Middle School
(304-754-3313)
- Elizabeth Adams, Principal
- Arlin Riggs, Counselor
- Lynette Everhart, Counselor

Martinsburg North Middle
(304-267-3540)
- Joseph Livesay, Principal
- Lauren Poe, Counselor
- Briana Sigler, Counselor

Martinsburg South Middle
(304-267-3545)
- Mark Barney, Principal
- Julie Stark, Counselor
- Bridget Snapp, Counselor

Musselman Middle (304-229-1965)
- Mariah Ryan, Principal
- Jessica Wolfe, Counselor
- Elizabeth Jenkins, Counselor

Mountain Ridge Middle (304-229-8833)
- Brandon Burkhart, Principal
- Domenic Allen, Counselor
- Chanda Feathers, Counselor

Springs Mills Middle (304-274-5030)
- Dirk Webb, Principal
- Rebecca Paulin, Counselor
- Joseph Morris, Counselor
- Elizabeth Kantor-Bright, Counselor

Hedgesville High School
(304-754-3354)
- Angie Milliman, Principal
- Brittany DeHaven, Counselor
- Cari Jubb, Counselor
- Sam Irwin, Counselor
- Jacob Henry, Counselor
- Lewis Ruddek, Counselor

Martinsburg High School
(304-267-3530)
- Maranda Lynch, Principal
- Katie Myers, Counselor
- Charity Powers, Counselor
- Jeanne Cloud, Counselor
- Tamesa Smith, Counselor
- Ryan Wratchford, Counselor

Musselman High School (304-229-1950)
- Alicia Riggleman, Principal
- Brigitte Frye, Counselor
- Chris Showe, Counselor
- Amber Smith, Counselor
- Megan Mullin, Counselor
- Karson Rizer, Counselor
- Christine Redstreake, Counselor

Spring Mills High School (304-274-5141)
- Mark Salfia, Principal
- Ben Davis, Counselor
- Rob Yarborough, Counselor
- Taylor Lyons, Counselor
- Seth Eby, Counselor
- Sara Gramkow, Counselor

James Rumsey (304-754-7925)
- Trent Sherman, Director/Principal
- Chrystal Copenhaver, Counselor

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Introduction

This Program of Studies is designed to help students and families understand the courses available during the upcoming school year and the requirements needed to graduate. As you choose classes for next year, it is important to consider your educational goals, career interests, and future plans.

The school offers a wide range of elective courses to meet the interests, needs, and abilities of all students. Students are encouraged to work closely with their school counselor and use their Personalized Education Plan (PEP) to guide course selections and long-term academic planning.

Please note: Course offerings and policies described in this Program of Studies may change.

General Information for All Students

- **All students are scheduled for seven class periods each day.** Only seniors who are enrolled in approved dual-credit courses or Career & Work Skills Training programs may leave campus during the school day.
- **Any required course that a student fails must be completed again**, either through summer school or by retaking the course during a future school year.
- Students who drop a course after the deadline (the first Friday following the first or third interim grading period) will receive an automatic **F** on their transcript unless the Student Assistance Team (SAT) approves an exception due to documented special circumstances.
- Students are generally required to attend high school for **four years** before graduating. Exceptions may be considered under certain circumstances (see page 14).
- Students must be **at least 15 years old** to enroll in Driver Education. Each high school will establish a priority system for student enrollment.
- Courses will only be offered if enough students pre-register for them. Classes with low enrollment may not be included in the final schedule.
- **Honors, Advanced Placement (AP), and college-level courses** have specific eligibility requirements. Students must meet the established criteria before they can enroll in these courses.

School counselors encourage students and parents to schedule an appointment if they would like assistance with academic planning or have questions about course selections, graduation requirements, or future educational goals.

Instructional Programs

Programs for Highly Motivated Students

Honors, Advanced Placement (AP), and college-level courses are available for students who are academically motivated and ready for more rigorous coursework. These programs are designed for students who are performing at or above grade level and who are willing to work at an accelerated pace.

While these programs are excellent preparation for college, students with a variety of postsecondary plans can benefit from the advanced skills and experiences they provide. Students and parents are encouraged to meet with a school counselor to discuss eligibility requirements and determine which options best fit the student's goals.

Students may participate in different advanced programs at the same time. For example, a student may take Honors English while also enrolling in an AP Social Studies course.

Honors Courses

Honors courses provide challenging instruction in a structured classroom environment. Compared to standard courses, Honors students can expect:

- More extensive reading assignments
- Increased writing requirements
- Frequent class discussions and analytical activities
- Higher academic expectations

To enroll in an Honors course, students generally must:

1. Earn a grade point average (GPA) of **3.0 or higher** in the relevant subject area.
2. Receive a recommendation from a teacher in that subject area.

An Honors Application may also be required.

Note: Some Honors courses may require summer reading assignments or projects before the course begins.

Advanced Placement (AP) Courses

AP courses are college-level classes offered in high school. Students who successfully complete an AP course may have the opportunity to earn college credit, advanced

college placement, or both, depending on their score on the AP Exam and the policies of the college or university they attend.

Students enrolled in AP courses are eligible to take the corresponding AP Exam.

To enroll in an AP course, students typically must:

- Have a **3.0 GPA or higher** in the relevant subject area, or
- Receive a recommendation from their most recent teacher in that subject.

Note: Some AP courses may require summer reading assignments or projects before the course begins. An AP Application may also be required.

College Courses and Dual Credit Opportunities

Berkeley County Schools provides students with opportunities to earn both high school and college credit while enrolled in high school through approved dual credit programs and college courses. Students must meet the admission requirements of the college or university and obtain any required school approvals before enrolling.

- **Dual Credit High School Courses** are offered at the high school through partnerships with colleges and universities. Students who enroll in the college component may earn both high school and college credit.
- **Dual Credit College Courses** are taken directly through an approved college or university, either on campus, online, or through another approved format. Students seeking high school credit for these courses must obtain approval through the school counseling office before enrolling. Only Berkeley County Schools-approved dual credit courses may be applied toward high school graduation requirements.

Scheduling Information

- Students must remain enrolled in seven class periods.
- Students seeking high school credit for a college course must obtain school counselor approval prior to enrollment.
- Approved college courses may be incorporated into a senior's schedule; however, these opportunities are limited.
- Only seniors participating in approved programs may leave campus during the school day to attend college classes.
- Civics may not be completed through dual credit and must be taken through Berkeley County Schools to satisfy the state Civics graduation requirement.

Student and Parent Responsibilities

- Students and families are responsible for registration, tuition, fees, textbooks, transportation, and other associated costs unless otherwise provided through an approved program.
- Course offerings, schedules, locations, admission requirements, and costs are determined by the participating college or university.
- Students should consult their school counselor before registering for any college course to confirm that it is approved for dual credit.
- Dual credit courses are distinct from Advanced Placement (AP) courses.
- Failure to successfully complete a dual credit course may affect high school graduation requirements.

Participating Institutions

Berkeley County Schools currently partners with Blue Ridge Community and Technical College, Shepherd University, West Virginia University (WVU), and WVU Potomac State College to provide dual credit opportunities. Students and families may view current dual enrollment and dual credit information on the institutions' websites:

- Blue Ridge CTC: https://www.blueridgectc.edu/audience/new-student/high-school-student/
- Shepherd University: https://www.shepherd.edu/admissions/dualenrollment
- WVU Potomac State College: https://admissions.potomacstatecollege.edu/apply/early-student
- West Virginia University: https://www.access.wvu.edu/

Blue Ridge CTC	Shepherd University	Potomac State	WVU
			

Because college offerings and Berkeley County Schools approvals may change, students should contact their school counselor for the most current list of BCS-approved dual credit courses and guidance regarding enrollment procedures, graduation credit, and transferability.

College Planning

CFWV (College Foundation of West Virginia), available at www.cfwv.com, is a comprehensive online resource that helps students explore career options, search for colleges and other postsecondary programs, apply for admission, and complete

financial aid applications, including the Promise Scholarship. The website provides 24-hour access to information about many West Virginia colleges and universities, as well as technical, trade, and business schools.

Features of CFWV include online college and financial aid applications, virtual campus tours, scholarship search tools, career interest assessments, and resources that help students identify schools that match their interests, goals, and needs. Information entered into a college application can be saved and reused when applying to additional schools, eliminating the need to re-enter the same information.

Students should contact their school counselor for additional information and assistance with using CFWV.

College Entrance Requirements

College admission requirements vary by institution. Students and parents are responsible for researching the admission requirements of the colleges they are considering and ensuring that all requirements are met before applying after high school graduation.

Students are encouraged to work closely with their school counselor to plan an academic program that supports their postsecondary goals and helps them meet college entrance requirements.

Articulated Courses

Berkeley County Schools has established agreements with participating colleges and the James Rumsey Technical Institute that allow students to earn college credit for skills and competencies gained through specific high school courses. Students interested in these opportunities should consult their school counselor to learn about eligibility requirements, participating programs, and the steps needed to receive college credit.

Embedded Credit

Berkeley County Schools offers an Embedded Credit Program that expands opportunities for students to complete rigorous academic and Career Technical Education (CTE) coursework while meeting graduation requirements and preparing for postsecondary success. The program is designed to provide greater flexibility in students' schedules, allowing them to pursue additional academic, career, or enrichment opportunities. It is not intended to shorten the high school experience.

Credits earned through approved embedded credit programs are recorded on the student's transcript and included in GPA calculations. Students may earn embedded credit through approved CTE programs and any required supplemental instruction. The program operates in accordance with West Virginia Board of Education Policy 2510.

Students interested in earning embedded credit should consult with their school counselor during the scheduling process to review eligibility requirements and available embedded credit opportunities.

Students should consult with their chosen post-secondary educational/training institution and scholarship program requirements when choosing course options and electives. Additionally, it is imperative that students review post-secondary program entrance requirements, including requirements of NCAA, Promise, other scholarships, and admissions to specific institutions, various majors, honors programs, etc.

Special Education Services

In accordance with state and federal requirements, special education services are provided to students who qualify for additional educational support. These services are designed to help students access the curriculum and achieve their individual educational goals.

Whenever appropriate, students receiving special education services are included in general education classrooms and learn alongside their peers. Some students may also receive instruction from special education teachers in specialized settings based on the support outlined in their Individualized Education Program (IEP).

Special education programs and services may be available for students with needs related to:

- Specific learning disabilities
- Deafness or hearing impairments
- Blindness or visual impairments
- Physical disabilities
- Emotional or behavioral disabilities
- Medical conditions requiring homebound or hospital instruction
- Intellectual disabilities

The type and level of support provided are determined by each student's individual needs and educational plan.

Career and Technical Education

Each high school offers a variety of Career and Technical Education (CTE) courses, and additional programs are available through the tri-county James Rumsey Technical Institute. Students who are interested in attending James Rumsey Technical Institute should meet with their school counselor to plan their coursework and ensure they complete any required prerequisites.

Summer School

Summer school courses may be offered each year at a designated location in Berkeley County, provided there is sufficient student enrollment. Summer school is available for students who need to recover credit for a course they did not successfully complete, as well as for students who want to take a course that does not fit into their regular school-year schedule.

Co-curricular and Extracurricular Programs

Activities

Berkeley County high schools offer a wide range of extracurricular activities that allow students to explore their interests, develop their talents, and build leadership skills. Students with musical interests can participate in band and chorus, while others may become involved in theater productions, interscholastic athletics, student government, academic clubs, and other school-sponsored organizations.

Academic competitions provide additional opportunities for achievement. Events such as Science Fair, Social Studies Fair, and Math Field Day begin at the school level and may advance to regional, state, and national competitions. In addition, Berkeley County's four high schools participate in the Academic Competition for Excellence (ACE), showcasing student knowledge and academic skills.

Athletics

All students are encouraged to participate in interscholastic athletic programs as a way to develop teamwork, leadership, sportsmanship, and school pride. Parents are encouraged to support these programs by attending athletic events and becoming active members of their school's Booster Club.

To be eligible for participation in interscholastic athletics, students must have earned a minimum 2.0 grade point average (GPA) during the previous semester, based on a 4.0 unweighted scale.

NCAA Eligibility

Students who plan to participate in Division I or Division II athletics at the college level must be certified by the NCAA Eligibility Center. Certification confirms that student-athletes have met NCAA academic and amateurism requirements. To create an account and learn more about the certification process, visit www.eligibilitycenter.org. Students are encouraged to work with their school counselor and athletic staff to ensure they meet all NCAA eligibility requirements.

Grading Scale

Berkeley County Schools follows the uniform grading scale established by the West Virginia Board of Education (WVBE).

Grade Scale

A: 90-100
B: 80-89
C: 70-79
D: 60-69
F: 0-59

Important: A grade of "P" (Passing) is not assigned a numeric value and cannot be converted or transcribed as a letter grade on a student's official transcript.

Student Support Services

School Counseling

School counselors play an important role in supporting students' academic, career, and personal development throughout high school. Counselors are available each day to provide individual and group counseling, help students and families understand assessment and test results, assist with academic planning, and provide information about career and postsecondary opportunities.

Counselors also collaborate with teachers to support career readiness and educational planning initiatives. For students who plan to pursue education or training after high school, counselors provide information about college admissions, scholarships, financial aid, and other postsecondary options. In addition, they coordinate opportunities for students to meet with representatives from colleges, universities, technical schools, apprenticeship programs, military organizations, and local industries to explore future career pathways.

Health Services

Berkeley County Schools provides a variety of health services to support student well-being and academic success. These services include health consultations, screenings, referrals, and follow-up care when needed.

Health screenings are conducted for groups of students and may include vision, hearing, scoliosis, and blood pressure screenings. When a screening indicates a potential health concern, parents or guardians may be notified and referred to appropriate healthcare providers for further evaluation and follow-up.

Attendance and Social Work

The Pupil Services Department supports students and families by helping address barriers that may impact school attendance, academic success, and overall well-being. Staff work closely with students, parents, and schools to resolve attendance concerns, assist with school adjustment and behavioral challenges, and provide support through home visits when appropriate.

The department may also connect families with resources to meet basic needs, such as clothing, shoes, and other essential services. In addition, social workers coordinate referrals to community agencies and support programs that can provide further assistance to students and families.

By fostering collaboration between home, school, and community resources, the Pupil Services Department helps ensure that students remain engaged in their education and have access to the support they need to succeed. The department is also responsible for helping schools and families meet the requirements of West Virginia's compulsory school attendance laws.

Student Assistance Team (SAT)

The Student Assistance Team (SAT) is established at each school to provide a collaborative, problem-solving approach for students who are experiencing academic, behavioral, attendance, social-emotional, or other school-related challenges. The SAT uses an interdisciplinary team process to review student concerns, identify strengths and needs, and develop appropriate intervention and support plans.

The SAT may include a school administrator, the student's teachers, a special education teacher, school counselor, attendance worker, school nurse, and other staff members as appropriate. The team works together to evaluate concerns, recommend interventions, and monitor student progress.

The SAT chairperson is responsible for coordinating meetings, documenting recommendations, and ensuring that agreed-upon actions are implemented and monitored. Parents and guardians may be involved in the process, as appropriate.

If a parent, guardian, or student disagrees with a SAT recommendation or decision, the matter may be appealed to the school principal for review.

Crisis Response Team

To support schools during times of crisis, Berkeley County Schools maintains a Crisis Intervention Team trained to respond to traumatic events that may affect students, staff, and the school community. Examples of such events may include the death of a student or staff member, a serious accident, a mental health crisis, or other significant emergencies.

The Crisis Response Team consists of trained volunteers from both the school system and the community. Team members provide emotional support, consultation, and resources to help students and staff cope with the impact of a crisis and begin the recovery process.

By working collaboratively with school personnel, families, and community partners, the team helps promote safety, resilience, and emotional well-being during challenging circumstances.

Drop-Out Prevention

To support student success and reduce dropout rates, the Director of Pupil Services oversees programs, initiatives, and grant-funded services designed to assist students who are at risk of disengagement from school or leaving before graduation. These efforts focus on identifying student needs, removing barriers to educational achievement, improving attendance and engagement, and connecting students and families with appropriate support services.

The Director also coordinates community partnerships and resources that help students remain enrolled, make academic progress, and successfully complete their high school education.

Youth and Family Support

The Youth and Family Support Department promotes the social-emotional development, mental health, and overall well-being of students. Through prevention, intervention, and support services, the department works with students, families, schools, and community partners to help address challenges that may affect a student's academic success, emotional health, and personal growth.

Weighted Class Implementation Procedures

Beginning with the 2003-2004 school year, Berkeley County Schools adopted the West Virginia Uniform Grading Policy, which establishes a consistent grading scale and provides for the weighted evaluation of designated advanced courses. Courses approved for weighting are assigned additional quality points in the calculation of a student's grade point average (GPA) as follows:

Grade	Weighted Value	Non-Weighted Value	Grading Scale
A	5 Points	4 Points	A = 90 - 100
B	4 Points	3 Points	B = 80 - 89
C	3 Points	2 Points	C = 70 - 79
D	2 Points	1 Point	D = 60 - 69
F	0 Points	0 Points	F = 0 - 59

The GPA for each student is calculated based on all high school coursework completed and the corresponding quality points assigned under West Virginia Board of Education and Berkeley County Schools grading policies. Applicable weighted courses are included in the calculation according to established guidelines.

Berkeley County Scholars Program

Honors Graduate Procedures

Honor	GPA	Medal
Summa Cum Laude	3.8 and above	Gold
Magna Cum Laude	3.4 – 3.799	Silver
Cum Laude	3.0 – 3.399	Bronze

Students who earn academic honors will be recognized as Berkeley County Scholars. Honor graduates will be identified in the graduation program according to the applicable honors designation and will receive medals recognizing their academic achievement.

Grade point averages (GPAs) are calculated in accordance with Berkeley County Board of Education policy and are determined at the conclusion of the first semester of the senior year. All courses that satisfy high school graduation requirements are included in the calculation of GPA and class rank, except courses evaluated on a pass/fail basis.

Honor graduates may also be recognized through graduation ceremonies, school publications, press releases, and other forms of recognition as determined by each high school.

When schools are asked to identify the student with the highest GPA, administrators and counselors should note that Berkeley County Schools does not designate or publicly recognize a valedictorian.

High School Ranking in Class Procedures

To be eligible for an official class rank, a student must be enrolled at the high school and have completed the first semester of the senior year.

Class rank is calculated based on GPA as determined through the West Virginia Education Information System (WVEIS). Rankings are computed at the end of the junior year and again at the conclusion of the first semester of the senior year. A student's final class rank is determined upon completion of all graduation requirements at the end of the senior year.

Identified High School Weighted Courses

Art: AP 2-D Art and Design

Language Arts: English 9 Honors, English 10 Honors, English 11 Honors, English 12 CR Honors, AP Seminar ELA, AP Language and Composition, AP Literature/Composition

Social Studies: World History to 1900 (9) Honors, US Studies (10) Honors, Contemporary Studies (11) Honors, AP US History, AP US Government and Politics, AP Psychology, Civics and Government Honors, AP World History, Comprehensive Honors

Mathematics: Algebra I Honors, Geometry Honors, Algebra II Honors, Trigonometry/Pre-Calculus Honors, AP Statistics, AP Calculus AB, AP Calculus BC, AP Computer Science A, College Algebra 126, College Trigonometry 128, WVU Calculus

Science: Earth and Space Science Honors, Biology Honors, AP Biology, WVU Biology, Chemistry Honors, AP Chemistry, AP Environmental Science, AP Physics

Foreign Language: French IV Honors, AP French, Spanish IV Honors, Spanish V Honors, AP Spanish

CTE: AC Aerospace Engineering, Robotic Engineering

Other: AP Computer Science Principles, AP Research, AP Business w/Personal Finance, CTE Advanced Career (AC) courses

Dual Credit: Only BCS approved dual credit courses may be placed on a high school schedule and transcript. These courses must be pre-arranged with the school counselor to count for high school credit.

Note: **All Honors and AP classes will be weighted**.

INSTRUCTION

BERKELEY COUNTY GRADUATION REQUIREMENTS

(Grades 9-12)

RATIONALE

The Berkeley County Board of Education believes that schools should prepare every student to leave high school with the knowledge, skills, and attitudes needed to become a successful and productive member of society. Students should develop strong basic skills, understand their civic responsibilities, and be prepared for employment, career opportunities, and lifelong learning.

DEFINITIONS

A. Graduation Requirements - Graduation requirements consist of the required and elective credits that a student must earn to graduate from high school. A diploma is the official document awarded to a student as proof that these graduation requirements have been successfully completed.

B. Unit of Credit - Credit shall be awarded to students who successfully demonstrate mastery of the instructional objectives established for an approved course, as determined by the Berkeley County Board of Education. Students who demonstrate mastery of a course's instructional objectives shall be provided opportunities to advance to the next level of instruction. High school credit may also be awarded for documented mastery of approved high school course requirements completed prior to grade nine, provided the credit is recorded on the student's transcript. Additionally, college coursework may be accepted for high school credit in accordance with applicable Board policies and program requirements.

C. Standard Diploma - A diploma is the official document awarded to a student who has successfully met all state and county graduation requirements. It serves as formal recognition that the student has completed high school.

D. Alternate Diploma - An alternate diploma may be awarded to a student with severe disabilities who successfully completes alternate graduation requirements. These students have cognitive impairments that are so significant that the instructional objectives for standard prescribed and elective courses are not appropriate, even when accommodations, modifications, specialized instructional strategies, adapted materials, or alternative assessment methods are provided. The Individualized Education Program (IEP) Team is responsible for determining whether a student is unable to meet the requirements for a regular high school diploma. When an alternate diploma is deemed appropriate, the student's alternate graduation requirements shall be documented in the IEP and the Individualized Student Transition Plan (ISTP). An alternate diploma is awarded upon the student's satisfactory completion of those approved requirements.

E. Elective Courses - Courses that students may choose based on their interests, educational goals, and individual needs. Elective courses provide opportunities for students to explore subjects beyond the required curriculum and support preparation for college, careers, and personal development.

F. Program Courses – A sequence of courses and credits that align with a student's selected career pathway, career cluster, and postsecondary goals. These courses provide students with the knowledge, skills, and experiences needed to prepare for further education, training, military service, or employment. Technical education programs offered by the school shall be aligned with local, state, and national workforce needs and labor market opportunities.

G. Prescribed Credits - Courses that are required for graduation and are specifically designated by policy for each content area (see Section 6.1, Grades 9-12 Standards-Focused Curriculum and Graduation Requirements). Students must successfully complete these required courses to meet graduation requirements. Except where the county has established an approved dual credit course with a partnering college that fully addresses the required course standards, prescribed courses may not be substituted with dual credit coursework.

H. Personalized Credits – Courses that may be selected and customized by the student, in collaboration with school staff, in accordance with policy (see Section 6.1, Grades 9-12 Standards-Focused Curriculum and Graduation Requirements). These credits are intended to support the student's individualized educational program, career interests, and postsecondary goals.

Career Clusters

Berkeley County Schools is committed to preparing students for postsecondary education, training, military service, and employment through its School-to-Career Program. Students explore career clusters in eighth grade and select a cluster for further study in grades nine and ten. By the end of tenth grade, students choose a program of study aligned with their career interests and goals.

Each student develops a Personalized Education Plan (PEP) to guide academic and career planning. Students may change their career cluster or program of study in consultation with their school counselor; however, all required program courses must be completed to meet graduation requirements.

Computation of Class Standing

1. Class standing shall be determined by a student's cumulative grade point average (GPA) and shall include grades earned in all high school-level courses. This includes high school courses completed prior to grade 9, courses taken during grades 9-12, summer school courses, and approved dual credit courses.

2. Each Berkeley County high school may establish its own graduation awards and recognitions in accordance with Berkeley County Board of Education policy.

3. Approved dual credit courses taken through an accredited college or university shall be included in a student's GPA. Dual credit courses are those for which a student earns both high school and college credit. Prior to enrollment, the course must be approved by the principal or designee, and a written agreement signed by the student, parent/guardian, and principal or designee. Once approved, the course becomes part of the student's permanent academic record and is included in GPA calculations.

4. Class standing shall be recorded on the student's official transcript following graduation.

5. Students shall be classified by grade level according to the number of credits earned as follows:

Grade 9: Fewer than 5 credits
Grade 10: 5 or more credits
Grade 11: 12 or more credits
Grade 12: 17 or more credits

Definition of Grade Point Average (GPA) Equivalence

The value assigned to each letter grade A, B, C, D, F

Grade Quality Pts.	Weighted Pt. Value
A = 4	5
B = 3	4
C = 2	3
D = 1	2
F = 0	0

ADMINISTRATIVE PRACTICES

Alternatives to the Unit of Credit

Accepting Credits Earned Before Grade 9

Students who successfully complete a high school credit course before entering 9th grade will receive full graduation credit for that course. In Berkeley County, these courses typically include Algebra I-8, Spanish I, and French I (and, in rare cases, Geometry).

Transfer students must provide an official transcript showing that any course completed before 9th grade was awarded high school credit by their previous school.

The student's grades 9-12 permanent record will document the completion of these courses. Any grade earned in a high school credit course taken before 9th grade becomes part of the student's permanent high school record and is included in the calculation of the student's Grade Point Average (GPA).

College Credits

High school students may earn both high school and college credit by enrolling in approved dual credit courses offered through a college or university. Generally, three semester hours of college credit are equivalent to one-half (½) unit of high school credit.

To be included on a student's high school schedule and transcript, the college course must be an approved Berkeley County Schools dual credit course and college. Dual credit courses may satisfy required graduation coursework when the college course aligns with state curriculum standards, or they may be applied as elective credits.

Grades earned in dual credit courses are recorded on the student's high school transcript, receive the appropriate weighted value, and are included in the calculation of GPA and class rank. Students interested in dual credit opportunities should contact their school's counseling office for additional information and eligibility requirements.

Alternative Educational Programs

Schools may award credit for coursework completed through accredited alternative education programs, provided the program's curriculum meets the requirements of the West Virginia Content Standards and Objectives and Berkeley County curriculum standards. Alternative education programs may include, but are not limited to, summer school, extended-day school, transitional school, and independent study. Credits earned through these programs may be applied toward graduation requirements when approved by the school system.

Testing Out

Students may earn credit for certain courses by demonstrating mastery of the course content through a test-out process. Opportunities to test out are limited to approved courses and are offered twice each school year.

Students may attempt to test out of one course during the winter testing period and one course during the spring testing period. Students who successfully meet the testing requirements will receive credit for the course. Information regarding eligible courses, eligibility requirements, and testing procedures is available through the school counseling office.

Virtual High School Courses

The Berkeley County Virtual Program (BCVP) is an alternative online learning option for students in grades K-12. Enrollment is limited, and only a select number of students will be accepted each school year.

Students enrolled in BCVP complete their coursework online outside of the traditional school setting. Instruction is delivered primarily through an online learning platform where students read, engage with, and apply course content independently. Because the program requires a high degree of self-direction, successful students are typically independent, self-motivated learners with strong technology and communication skills.

Caregiver involvement is essential for student success, particularly for students in grades K-12. Students are required to participate in weekly Microsoft Teams meetings with their teacher, and families must have reliable internet access. There is no cost to participate in the program.

BCVP students remain enrolled as Berkeley County Schools students. They earn credits toward graduation and, if eligible, may participate in school-sponsored activities, including athletics, clubs, dances, plays, field days, picture day, and other extracurricular events, just as students attending school in person.

Enrollment for the fall semester opens early in the second semester of the preceding school year and closes before the last student day of school.

Submitting an application does not guarantee acceptance into the program. Admission is based on a collaborative decision involving BCVP staff, the student's caregiver(s), and the student's home school to determine whether the virtual pathway is an appropriate fit for the student's educational needs.

After an application is submitted, families will be notified regarding the student's enrollment status. Caregivers should regularly monitor their email for program updates and communications.

Students who are accepted into the program, along with their caregiver(s), must attend a mandatory orientation to learn how to use the online learning platform and understand program expectations. Failure to attend the orientation may result in the student remaining in a traditional in-person learning setting.

Enrollment in BCVP is intended to be a full-year commitment.

Students with Disabilities

For students with disabilities, the method for earning graduation credit will be identified in the student's Individualized Education Program (IEP). The primary goal is to ensure that students have the opportunity to master the same curriculum standards and learning expectations established for all students.

The IEP team will determine whether the required state and county curriculum standards in core academic subjects and areas of concentration are appropriate and achievable for the student. When necessary, the IEP team may modify how instruction

is delivered by adjusting learning objectives, teaching strategies, instructional materials, supports, or assessment methods. Any approved accommodations or modifications must be documented in the student's IEP.

Students who successfully master the required curriculum standards outlined in their IEP will earn a standard diploma.

If the IEP team determines that a student is unable to meet the requirements necessary for a standard diploma, the team will identify appropriate alternative curriculum standards and graduation requirements that align with the student's individual needs. Students who successfully complete these alternative requirements, as specified in their IEP, will earn a modified diploma.

Attendance

WVDE Policy 2510 126-42-8.1.a.3.c requires the following:
All students shall be scheduled in the defined high school course work, college courses, career and technical programs, credit recovery, Option Pathway, experiential learning, or virtual school courses for the full instructional day during grades 9 – 12.

Regular attendance throughout grades 9-12 is essential for students to fully benefit from the educational opportunities and programs offered by Berkeley County Schools. Therefore, students are expected to be enrolled in a full instructional schedule during each of their four years of high school.

Exceptions may be granted for seniors when participation in college courses, advanced career and technical education programs, or other significant circumstances would better support the student's educational goals. Any exception must be reviewed and approved by the Student Assistance Team.

Evaluating Credits for Transfer Students

Other States, Alternative Education Programs, Correspondence Schools and Home School - House Bill 2785, Section e

A student from another state, or who is eligible to enroll in a public school in this state, shall be enrolled in the same grade in a public school in West Virginia as the student was enrolled at the school or program from which the student transferred. A transcript or other credential provided by a public school program, private school program, homeschool program or HOPE Scholarship program shall be accepted by a public school in this state as record of a student’s previous academic performance for the purposes of placement and credit assignment.

Students Who Do Not Complete Requirements in Four Years

Students who have been continuously enrolled in high school for four years (grades 9-12) but have not earned the credits required for graduation may be granted a reduced school schedule during a fifth year of enrollment. In these circumstances, students will be required to attend only the classes necessary to complete their remaining graduation requirements rather than a full instructional day.

Students Who Lack One Credit or Less at Normal Graduation Time

A senior who is missing no more than one credit for graduation at the end of the regular school year may be permitted to participate in the commencement ceremony with their graduating class if all of the following conditions are met:

1. The student and parent/guardian provide written agreement that the student will enroll in and successfully complete the required course during the upcoming summer school session.
2. All tuition and fees associated with the summer school course have been paid in full.

Participation in the commencement ceremony does not constitute graduation. The student's diploma will be awarded only after the required course has been successfully completed and all graduation requirements have been met.

Early Graduation

Students seeking to graduate early must submit a request through their school counselor. The student is responsible for providing a completed application along with written documentation explaining the reasons for the request.

Requests for early graduation will be considered only under one or more of the following circumstances:

1. Enrollment in the armed services.
2. Hardship resulting from extenuating circumstances.
3. Other compelling circumstances that support an exception to the standard graduation timeline.

The school principal and the Student Assistance Team (SAT) will review the student's application and supporting documentation and may grant preliminary approval for early graduation.

Each school's SAT must submit a list of students recommended for early graduation to the Executive Director of Secondary School Leadership no later than **March 30 of the student's sophomore year** for final review and approval. The submission must include the student's name, school, and the reason for the early graduation request.

High School Programming, §126-42-6.

*This section contains information from **West Virginia Department of Education Policy 2510** as well as additional guidance and procedures specific to **Berkeley County Schools (BCS)**.*

6.1. Grades 9 through 12 Standards-focused Instruction and Graduation Requirements.

Chart V: Grades 9-12 Standards-focused Instruction and Graduation Requirements

Foundations for High Quality Developmentally Appropriate High School Programming (Grades 9-12)
The completion of high school coursework will prepare all students for post-secondary education, employment, enlistment, entrepreneurship, and everyday living. **Students should consult with their chosen post-secondary educational/training institution and scholarship program requirements when choosing course options and electives.** The required courses outlined below build strong content knowledge and extend disciplines by engaging students in work of quality and substance. In Grades 9 and 10, students build foundational knowledge and skills. In Grades 11 and 12, students enter the personalized aspect of their PEP, focusing carefully on selected coursework that leads to successful completion of their personal and academic goals. Each student's coursework will be designed to lead directly to placement in entry-level, credit-bearing academic college courses, completion of an industry-recognized certificate or license, a workforce training program, or job placement. Students who do not demonstrate mastery of the approved content standards shall be provided extra assistance and time through personalized learning and support.

Graduation Requirements

Berkeley County Schools requires 24 credits: 12 prescribed, 10 personalized, 2 electives

- **Beginning with the 2024-2025 freshman cohort:** 24 credits, 13 prescribed (with the addition of a prescribed credit in Personal Finance), 10 personalized, 1 elective
- **Beginning with the 2027–2028 freshman cohort**: 24 credits, 14 prescribed (with the addition of a prescribed credit in Computer Science), 10 personalized

English Language Arts (ELA) - 4 credits

3 Prescribed Credits
English 9 or English 9H
English 10 or 10H
English 11 or 11H or AP Language
1 Additional Personalized Credit from Course Options

Note: An Advanced Placement (AP®), Dual Credit, or International Baccalaureate (IB®) ELA course may be substituted for an equivalent ELA credit. In Berkeley County, AP Seminar ELA can replace English 10, AP Language can replace English 11 and AP Literature can replace English 12. Only BCS approved dual credit courses can replace the Prescribed English courses. English 101 and 102 are the only aligned courses and may replace English 12.

English Language Arts (Policy 2520.1A)

Personalized Course Options Courses Required to be offered:

One credit from English 12 or Transition English Language Arts for Seniors or Creative Writing and Reading or Technical English Language Arts

Additional Course Options

English Language Arts College Courses (BCS approved courses)
County-created and Approved English Language Arts Courses based on student need and interest ensuring state standards for English are met.

Mathematics - 4 credits

Note: Beginning with the 2024-2025 freshman cohort, Math I Lab and Algebra I Support will no longer count toward a Mathematics graduation requirement. Beginning with the 2023-2024 school year counties may offer one credit of Introduction to Mathematical Application (Grades 9-12). Students may take Data Science as a personalized Mathematics credit (if offered by the county).

2 Prescribed Credits
Algebra I or Math I
Geometry or Math II
2 Additional Personalized Credits from Course Options

Note: An AP®, Dual Credit, or IB® Mathematics course may be substituted for an equivalent Mathematics credit. In Berkeley County, there are no AP or dual credit courses that will replace Algebra I or Geometry.

Mathematics (Policy 2520.2B)

Courses Required to be Offered

Algebra II/Math III
Trigonometry/Pre-calculus/Math IV,
Applied Statistics, Transition Mathematics for Seniors

Additional Course Options

Introduction to Mathematical Applications
AP® Computer Science A
Advanced Mathematical Modeling

Calculus
Statistics
Quantitative Reasoning
Mathematics college courses (BCS approved courses)
Computer Science and Mathematics
County-created and Approved Math
Courses higher than Math III or
Algebra II
Financial Algebra/Mathematics
Data Science

Science - 3 credits

2 Prescribed Credits
Earth and Space Science
Biology
1 Additional Personalized Credit from Course Options
Note: An AP®, Dual Credit, or IB® Science course may be substituted for an equivalent science credit. In Berkeley County, there are no AP science courses that will replace Earth and Space Science. Biology is a prerequisite for AP Biology not a replacement. There are no dual credit courses that will replace Earth and Space Science or Biology.

Science (Policy 2520.3C)

Courses Required to be Offered

Chemistry
Human Anatomy and Physiology
Physics
Physical Science

Additional Course Options

Environmental Science
Forensics
Science college courses (BCS approved courses)
Computer Science – GIS
County-created and Approved Science Courses
CTE Courses:
AC Energy and Power (Courses 1-4)
Animal and Plant Biotechnology
CASE Principles of Agriculture Science-Plant
Principles of Engineering
Human Body Systems
Natural Resources Management
Therapeutic Services (Courses I, II, and III)
CASE Food Science and Safety

Social Studies - 4 credits

3 Prescribed Credits
World Studies or an AP® Social Studies Course
United States (US) Studies* or US Studies Comprehensive, or AP® US History
Civics or AP® Government and Politics**
1 Additional Personalized Credit from Course Options

Note: Students who take US Studies must utilize Contemporary Studies as their Personalized Credit unless they are utilizing JROTC Courses I-IV.
**In Berkeley County, there are no other AP courses or dual credit courses that replace the Prescribed social studies courses.
Beginning with the 2024-2025 freshman cohort Personal Finance will be removed from Civics to become a separate graduation requirement.

Social Studies (Policy 2520.4)

Courses Required to be Offered

Contemporary Studies
Economics
Geography
World Studies

Additional Course Options

AP® Social Studies Courses
IB® Social Studies Courses
Financial Literacy
Psychology
Social Studies college courses (BCS approved courses)
Dual Credit Courses (BCS approved courses)
Sociology
JROTC (Courses I-IV)
County-created and Approved Social Studies Courses

Personal Finance - 1 Credit

Beginning with the 2024-2025 freshman cohort, Personal Finance (1451) is a required credit.

WV Career-Readiness Programs of Study/Standards for Career Technical Education (Policy 2520.13)

Additional Course Options

AP Business with Personal Finance

Computer Science - 1 Personalized Credit

Beginning with the 2027-2028 freshman cohort, a full credit in Computer Science is required.

WV Career-Readiness Programs of Study/Standards for Technology and Computer Science (Policy 2520.14)

Course Required to be Offered

One course in Computer Science

Approved Courses Meeting the Computer Science Graduation Requirement

Coding App and Game Design 1
Coding App and Game Design 2
Security+
Technical Computer Applications 1
Technical Computer Applications 2
AP Computer Science Applications
AP Computer Science Principles
Basic Programming
Computer Science/Programming
Foundations of Programming Part 1
Foundations of Digital Science

Additional Course Options

Computer Science in the Modern World
AP® Computer Science Courses
Information Technology (IT)
Information Management
Web Development
Other courses based on student need and interest
CTE Computer Science/IT Courses
County-created Computer Science/IT Courses
College Computer Science Courses (BCS approved)

Physical Education (PE) - 1 credit

1 Prescribed Credit
PE 9-12, Integrated PE, or counties may choose to offer Extracurricular/Interscholastic PE both graded and non-graded.

Wellness Education (Policy 2520.5)

Additional Course Options

JROTC I and II will fulfill the 1 credit PE requirement
Dual Credit Courses (BCS approved courses)
Other PE courses based on student need and interest paired with the integrated online course

Health - 1 credit

1 Prescribed Credit
Health 9-12

Wellness Education (Policy 2520.5)

Additional Course Options

Health College Courses (BCS approved courses)
Dual Credit Courses (BCS approved courses)

The Arts - 1 Personalized Credit

Note: An AP®, Dual Credit (BCS approved courses), or IB® Arts course may be substituted for any Arts credit.

The Arts (Policy 2520.9)

Courses Required to be Offered

Four sequential courses in music (both choral and instrumental), visual art (general art and/or studio art), dance, theatre

Additional Course Options

Arts Offerings
Arts College Courses (BCS approved courses)

The following CTE courses will fulfill the 1 credit Arts requirement:
Fundamentals of Illustration (1851)
Fundamentals of Graphic Design (1857)
Illustration (1861)
Graphic Design Applications (1859)
Ornamental Metal Work (1982)
Digital Imaging/Multimedia I (1431)
Drafting Techniques (1727)
Floriculture (0213)
Digital Photography (1515)
Millwork or Cabinet Making (2126 or 2127 or 2128 or 2129)

Personalized Education Plan (PEP) - 4 Personalized Credits

- 4 credits in a CTE Program of Study
  or
- 4 credits that lead to post-secondary goals

Each student's PEP will identify a career cluster and either a CTE program of study or course work that will lead directly to college placement, attainment of an industry-recognized certificate or license, a workforce training program, or job placement (Appendix D).

Best practices encourage students to experience the following: an AP®, IB®, dual credit (BCS approved courses), and/or Advanced Career (AC) course with corresponding examination, 2 credits in one world language, an additional science, a computer science, an online/digital learning experience, Grow Your Own (GYO) WV Teaching Pathway, entrepreneurial experiences, and/or 4 credits culminating in acquisition of industry-recognized CTE credential focused on career aspirations.

Career and Technical Education

See section 6.3: Career and Technical Education
Career Technical Education (Policy 2520.13)

Course Required to be Offered
One CTE course that teaches parenting skills

Community Readiness

Counties may allow students with the most significant cognitive disabilities to earn 4 credits in Community Readiness Training aligned with the post-secondary goals in the student IEP.

Electives

County Board of Education Members (CBEM) have the authority to set graduation requirements beyond the state minimum for schools in their counties. Students may typically earn up to 32 credits on a block schedule and up to 28 on a traditional schedule over their high school careers.

Students should consult with their chosen post-secondary educational/training institution and scholarship program requirements when choosing course options and electives. Additionally, it is imperative that students review post-secondary program entrance requirements, including requirements of NCAA, Promise, other scholarships, and admissions to specific institutions, various majors, honors programs, etc.

World Languages

World Languages (Policy 2520.7)

Recommended College- and Career-Readiness Course Options:
Most four-year colleges and universities require the completion of at least two credits of the same world language before or during post-secondary studies. Students need to consult with their post-secondary educational institutions concerning world language requirements.

Courses Required to be Offered

Three levels of one world language
Students who demonstrate proficiency in two languages (English and one additional) can receive the Seal of Biliteracy.

Additional Course Options

Other world languages and additional levels based on student need and interest
AP® World Language
World Language college courses 1 Personalized Credit (BCS approved courses)

Driver Education

Driver Education (Policy 2520.8)

Course Required to be Offered

One course in Driver Education

Social and Emotional Advisory System for Student Success

Required

Through a Comprehensive School Counseling System, high schools will implement a continuous advisory system that provides students with meaningful supportive relationships and maximizes each student's personalized learning experience.

The advisory system will be evidence- and standards-based to include the development of each student's PEP (see Appendix D), career portfolio, social other skills that enhance school success, and build competent, engaged citizens.

6.2. High School Scheduling

6.2.a. High schools' schedules shall allow for mastery of the content standards of each course. When developing schedules, the principal and a team of teachers will determine the adequate amount of time necessary to achieve mastery of the approved content standards for each program of study and effectively address the academic needs of all students. If the staff develops a schedule with courses less than 8100

minutes and academic achievement is not at or above state proficiency for a minimum of two years, the school will review and adjust its schedule based on student need and be approved by the CBEM.

6.2.b. Students shall have access to at least four AP® courses annually (at least one from the content areas of English language arts, mathematics, science, and social studies). All AP® courses must have a syllabus approved through the College Board and shall be taught by a teacher who has completed the required professional learning (see Appendix B.). Access to AP® courses may also be attained via West Virginia Virtual School (WVVS) AP® courses. Grades earned in an AP® course must be weighted on students' transcripts.

6.2.c. Students who do not meet the college- and career-readiness benchmarks on the West Virginia General Summative Assessment for English language arts and/or mathematics prior to their senior year may be enrolled in a designated transition English Language Arts course and/or a designated transition mathematics course even if they already have the required number of credits in that area. Students may enroll in a higher level course with agreement between the student, the student's parent/guardian, and the school to ensure the best interests and needs of each student are met.

6.3. Career and Technical Education (CTE).

The high school must offer students in Grades 9-12 engaging and empowering career development learning opportunities that include: Structured, on-going CTE experiences for career awareness, exploration, decision-making, and career preparation exposing students to all 16 career clusters. These offerings may be delivered within a Simulated Workplace/project-based hands-on environment.

A CTE program of study is aligned with the approved 16 career clusters and consists of four courses identified for WVDE-approved CTE programs of study (refer to Policy 2520.13). Each CTE program of study shall provide students a Simulated Workplace environment and the opportunity to obtain an industry recognized credential as part of the instructional program when applicable.

Multi-county Centers, county CTE centers, and comprehensive high schools must provide students with access to programs of study based on the student population. Centers/schools with a population of:

- 0-400 students must offer a minimum of three of the 16 nationally approved career clusters;
- 401-800 students must offer a minimum of four of the 16 nationally approved career clusters;
  or
- 801+ students must offer a minimum of five of the 16 nationally approved career clusters.

Students in Grades 9 and 10 must have access to at least one CTE course.
Students in Grades 11 and 12 must have access to four units in a CTE program of study

and two CTE electives.
A CTE completer is defined in Policy 2520.13, Explanation of Terms.

Counties' and/or schools must allow for mastery of the state-approved CTE content standards while ensuring industry certifications or licensing minute requirements are met. Counties be mindful of transportation times to and from county and multi-county CTE centers when developing those schedules.

Approved West Virginia Career Clusters

Agriculture, Food, and Natural Resources
Architecture and Construction
Arts, A/V Technology, and Communication
Business Management and Administration
Education and Training
Finance
Government and Public Administration
Health Sciences
Hospitality and Tourism
Human Services
Information Technology
Law, Public Safety, Corrections, and Security
Manufacturing
Marketing
Science, Technology, Engineering, and Mathematics
Transportation, Distribution, and Logistics
West Virginia Specific Career

6.4. Grades 9 through 12 Alternative Means to Earn High School Credit.

6.4.a. CBEM shall provide alternative means for students to earn high school credit.

6.4.a.1. Students may substitute one of the following equivalent courses in place of a course as listed in the applicable high school program of study: 1) an AP® course; 2) an IB® course; 3) an AC course; or 4) a dual credit or college course in accordance with approved county policy. The student's parent/guardian must approve by signing the student's PEP.

6.4.a.1.A. Such substitution requests must be approved by the county superintendent (or designee) and principal. The decision as to whether a substitute course will count as credit must be based on its applicability to the student's 5-year PEP, post-secondary goals, and/or program of study. Schools shall provide information regarding the availability of advanced courses to students and parents and strongly encourage students to take such courses based upon student interests and post-secondary goals.

6.4.a.1.B. Students and their parent/guardian must be advised of the decision of the superintendent (or designee) and the impact of the substitute course on

the student's preparation for college, other post-secondary education, or gainful employment identified in the student's PEP.

6.4.a.1.C. To ensure this process has been followed, the parent/guardian and student each must sign and receive a copy of, or have access to, the digital copy of the modified PEP.

6.4.a.1.D. Students may not receive dual credit for an AP® course.

6.4.a.2. Any student who successfully completes a high school level course (one meeting the high school approved content standards and taught by a content-certified teacher) prior to Grade 9 shall receive full credit for that course toward graduation requirements. The student's permanent record for Grades 9-12 shall indicate completion of the courses. The grade for any credit-bearing course taken prior to Grade 9 becomes part of the student's permanent record and is calculated in the student's high school grade point average (GPA).

6.4.a.3. All students will receive appropriate grades and/or credit for all work completed while attending school, regardless of the duration of their enrollment period. Students cannot receive credit for the same course twice. When a student retakes a failed course, both grades shall be transcribed and the county grading policy will determine how these courses are calculated in the GPA.

6.4.a.3.A. No teacher may be required to change a student’s grade on either an individual assignment, a report card, or transcript unless there is clear and convincing evidence that there was an error, per W. Va. §18-5-46.

6.4.b. West Virginia Option Pathway. The Option Pathway provides the opportunity for at-risk students, ages 16-21, who are enrolled in and attending a West Virginia public high school or attending a West Virginia Schools of Diversion and Transition (WVSDT) juvenile or adult instructional education program, to stay in school, complete a state-approved CTE program of study as defined in Policy 2520.13, pass the entire WVDE-approved high school equivalency assessment and receive a high school diploma.

6.4.c. Students who are enrolled in a WVSDT school should be offered the same marketable job skill opportunities that are provided to students in nonresidential settings as is practicable. WVSDT schools deliver rigorous personalized learning options while offering flexible scheduling and still meeting graduation requirements.

6.4.c.1. A WVSDT school operated by the WVBE will transfer graduation credits earned to a county for the awarding of a high school diploma. It is mandatory for counties to accept and recognize the transferred credit(s) toward the completion of the graduation requirements and issuance of a high school diploma.

6.4.c.2. Career Integrated Experiential Learning (CIEL), as defined in Policy 2444.4, is an alternate pathway for at-risk students.

6.4.d. A student who transfers into a West Virginia school from another state or county public school with different graduation requirements may not be able to complete the requirements for graduation. In such cases, the student's credits shall be evaluated by the county superintendent or designee in the receiving county to determine if one or more county and/or state requirements can be substituted with an equivalent course. Any courses requiring a waiver must be reviewed and approved by the State Superintendent of Schools or designee.

6.4.e. Counties may develop tests for the purpose of accelerating students by proving proficiency through assessment.

6.4.f. Counties may develop a policy that allows for credit-bearing workplace readiness experiences.

6.4.g. Virtual learning may be used to provide students opportunities to enroll in classes through the WVVS or a county virtual instruction program (refer to Appendix C, Virtual Learning).

SCHOOL TO CAREER - EDUCATIONAL PROGRAMS OF STUDY

Berkeley County Schools is committed to the School-to-Career program, which helps students develop both academic knowledge and workplace readiness skills. During eighth grade, students explore all sixteen career clusters to gain a broad understanding of potential career paths.

In ninth and tenth grades, students investigate a career cluster that matches their interests. Students may change their cluster selection as their interests evolve. By the end of tenth grade, each student will choose a specific career program within their selected cluster.

Each career cluster is divided into several career programs. Within each program, students can choose pathways that prepare them for postsecondary education, training opportunities, or entry-level employment.

Students enter high school with a PEP designed to help them focus on their educational and career goals. During ninth and tenth grades, they primarily complete required core courses while exploring career interests. Based on these interests, students select a career program within their chosen cluster. By the end of tenth grade, they develop a program of study that aligns with their career objectives and future plans.

Key points to remember:

- Every student will select a career cluster in grade eight and a program in grade ten.
- School Counselors will work with students and parents in making choices.
- A career cluster and/or program can be changed.

The Sixteen Clusters are as follows:

- Agriculture, Food and Natural Resources
- Arts, A/V Technology and Communications
- Business Management and Administration
- Information Technology
- Marketing
- Architecture and Construction
- Manufacturing
- Finance
- Transportation, Distribution and Logistics
- Health Science
- Education and Training
- Government and Public Administration
- Hospitality and Tourism
- Human Services
- Law, Public Safety, Corrections and Security
- Science, Technology, Engineering and Math

The recommended core courses for each program in the sixteen clusters are listed on the following pages.

CAREER AND TECHNICAL INFORMATION

PLANNED EDUCATIONAL PROGRAMS

A planned educational program is a program of study that meets the minimum graduation requirements outlined in Policy 2510. The program is designed to prepare students for their postsecondary education and career goals through one of the following pathways:

Approved Local Concentration (Non-CTE) Pathway Program of Study
A sequence of courses designed to prepare students for enrollment in a four-year college or university degree program.

Career and Technical Education (CTE) Pathway Program of Study
A sequence of courses designed to prepare students for a two-year college program, technical or postsecondary training, industry certifications, or direct entry into the workforce.

SIMULATED WORKPLACE

All CTE programs will be Simulated Workplaces.

Simulated Workplace Programs introduce students to various business processes using twelve distinct measurement areas.

- Transform the classroom environment into a replicated company.
- Utilize time clocks or some other form of formal attendance recording process.
- Develop/Adhere to the county developed Random Drug Testing Policy, while testing a minimum of 40% of all students enrolled within a Simulated Workplace classroom.
- Conduct an application / interview process for enrolling students.
- Develop a company name and procedures / protocol manual.
- Ensure all students receive quality safety training.
- Begin each class period / session with a 5-10-minute company meeting.
- Submit data reports developed by students and instructor.
- Establish work teams and an organizational system with students rotating across teams.
- Integrate the 6S Continuous Quality Improvement principles.
- Participate in Business and Industry yearly onsite evaluations.
- Utilize a portfolio system for students to document learning, credentials earned, projects completed, etc.

PORTFOLIOS/NOCTI ASSESSMENT

A portfolio is a collection of student work that showcases a student's skills, accomplishments, performance, and credentials. Portfolios may be maintained in either a physical folder or an electronic format and should include a well-organized collection of materials that highlight the student's participation and success within their Career and Technical Education (CTE) program.

Portfolio contents may include:

- Samples of student work and projects
- Performance evaluations
- Career and Technical Student Organization (CTSO) participation
- Photographs of projects and activities
- Industry credentials and certifications earned
- Service-learning projects
- Other evidence of academic, technical, and workplace readiness skills

The primary purpose of the portfolio is to help students document their growth, demonstrate their talents and abilities, showcase their written communication skills, and tell their personal story of career and college readiness.

Students are required to complete service hours related to their area of concentration. The required number of hours will be determined and communicated by the student's CTE instructor.

Portfolio development is an integral component of CTE concentration courses. A completed portfolio can serve as a valuable resource during job interviews by providing employers with concrete examples of the student's skills, experiences, and accomplishments.

At the conclusion of a CTE completer program, students will take the **National Occupational Competency Testing Institute (NOCTI) Assessment**. This industry-recognized assessment measures students' technical knowledge and skills and is aligned with current industry standards. NOCTI assessments are developed through collaboration between industry professionals and educators to ensure they reflect workplace expectations and career readiness requirements.

NON-CAREER AND TECHNICAL EDUCATION/LOCALLY APPROVED CONCENTRATIONS

Students Preparing for a Four-Year College

COURSES RECOMMENDED

9th Grade

- English 9 or 9 Honors
- Algebra I or Algebra I Honors
- Earth and Space Science or Earth and Space Science Honors
- World History or World History Honors or AP World History
- Health
- Personalized Career Program Course or
  *World Language I/II
- *Arts Credit

10th Grade

- English 10, 10 Honors, or AP Seminar ELA
- Geometry or Geometry Honors
- Biology or Biology Honors
- US Studies or US Studies Honors or AP US History
- Physical Education
- Personalized Career Program Course or
  *World Language II
- Elective

11th Grade

- English 11, 11 Honors, or AP
- Personalized Higher-Level Math Credit
- Personalized Science Credit
- Contemporary Studies or Contemporary Studies Honors
- *Personal Finance
- Personalized Elective
- Elective

12th Grade

- Personalized - English 12, 12 College Readiness Honors, Transition ELA, AP or College English 101/102
- Personalized Higher-Level Math Credit
- Personalized Science Credit
- Civics or Civics Honors or AP Government and Politics
- Personalized Elective
- Elective
- Elective

Career Program Courses:

- Science—4th Science from list of approved science courses
- World Language—2 credits in 1 language
- 1 additional credit required.
  - It is recommended that all professional pathway students complete at least 1 AP or AC course with corresponding examination or dual credit course. This course may be taken during any year.

CTE (Career and Technical Education)

Courses Recommended

9th Grade

- English 9 or 9 Honors
- Algebra I or Algebra I Honors or Introduction to Mathematical Apps.
- Earth and Space Science or Earth and Space Science Honors
- World History or World History Honors or AP World History
- Health
- *Arts Credit
- Personalized Career Program Course (High School CTE Program)

10th Grade

- English 10, 10 Honors, or AP Seminar ELA
- Geometry or Geometry Honors or Algebra I
- Biology or Biology Honors
- US Studies or US Studies Honors
- Physical Education
- Personalized Career Program Course (High School CTE Program)
- Elective

11th Grade

- English 11, 11 Honors, or AP
- Personalized Math Credit
- Personalized Science Credit
- Contemporary Studies or Contemporary Studies Honors
- Personalized Career Program Course
  (High School CTE Program)
- *Personal Finance
- Elective

12th Grade

- Personalized - English 12, 12 Honors, Transition ELA, AP or College English 101/102
- Personalized Math Credit
- Civics or Civics Honors
- Personalized Career Program Course
  (High School CTE Program)
- Elective
- Elective
- Elective

Career Program Courses:
See the Career Cluster section for the Program of your choice on the pages that follow.
*Credit may be taken during any year.
**James Rumsey CTE Programs begin in grade 11. Students will take 3 program courses at James Rumsey both junior and senior years which will alter the recommended courses above.

BERKELEY COUNTY HIGH SCHOOL COURSE OFFERINGS

Language Arts

- English/Language Arts 9
- English/Language Arts 9 Honors
- English/Language Arts 10
- English/Language Arts 10 Honors
- AP Seminar ELA
- English/Language Arts 11
- English/Language Arts 11 Honors
- AP English Language and Composition (11th)
- English/Language Arts 12
- English/Language Arts 12 CR Honors
- AP English Literature and Composition (12th)
- College English

Mathematics

- Intro to Mathematical Applications
- Algebra I
- Algebra I Honors
- Geometry
- Geometry Honors
- Algebra II
- Algebra II Honors
- Applied Statistics
- Transition Math for Seniors
- Math Modeling
- Trigonometry/Pre-Calculus
- AP Statistics
- AP Calculus AB
- AP Calculus BC
- AP Computer Science A
- College Algebra
- College Trigonometry
- College Calculus
- College Pre-Cal
- College Statistics

Science

- Earth and Space Science
- Earth and Space Science Honors
- Biology
- Biology Honors
- AP Biology
- College Biology
- Chemistry
- Honors Chemistry
- AP Chemistry
- College Chemistry
- Physics
- AP Physics
- Human Anatomy and Physiology
- Environmental Science
- AP Environmental Science
- Forensic Science
- Physical Science

Social Studies

- World Studies
- World Studies Honors
- AP World History
- United States Studies
- United States Studies Honors
- Contemporary Studies
- Contemporary Studies Honors
- AP U.S. History
- Comprehensive Studies
- Civics/Government
- Civics/Government Honors
- AP Government & Politics

Personal Finance

- Personal Finance
- AP Business w/Personal Finance

Computer Science

- AP Computer Science Applications
- AP Computer Science Principles
- Technical Computer App. I
- Technical Computer App. II
- Foundations of Digital Science

Physical Education

- Health
- Physical Education
- Integrated Physical Education
- Extracurricular/Interscholastic PE

Fine Arts

- Art I, II, III, IV
- Calligraphy
- Ceramics/Pottery
- Painting I, II, III, IV
- Drawing I, II, III, IV
- AP Studio Art 2-Design
- Media Arts
- Theatre I, II, III, IV
- Theatre Stagecraft
- Theatre Stagecraft Comprehensive
- Film Studies
- Performance Evaluation & Critique
- Theatre/Stagecraft Comprehensive
- Film Studies
- Dance I, II, III, IV
- Dance Team
- Music Theory
- Music Appreciation/History
- Music in Movies
- Band I, II, III, IV
- Stage Band
- Flags/Rifles I, II, III, IV
- Percussion
- Strings
- Piano I, II
- Guitar I, II, III, IV
- Chorus I, II, III, IV
- Chamber Chorus Advanced
- Show Choir
- Women's Chorus
- Orchestra
- AP 2-D Art Design

World Language

- French I, II, III, IV Honors
- AP French
- Spanish I, II, III, IV, V Honors
- AP Spanish
- College Spanish
- Chinese I, II

CTE Program Courses

Agricultural, Food, and Natural Resources:

- Introduction to Agriculture, Food, and Natural Resources
- The Science of Agriculture
- Agriculture Cooperative Edu.
- Fundamentals of Agriculture Mechanics
- Agriculture Structures

- Agriculture Equipment and Repair
- Agriculture Small Engine Repair
- Natural Resource Management
- Horticulture
- Floriculture
- Greenhouse Production & Management
- Fruit & Vegetable Production
- Companion Animal Care
- Livestock Production
- Animal Production and Management
- Agricultural Experience Program (SAE)

Architecture & Construction:

Building Maintenance and Operations Courses

- Building Maintenance and Operations 1
- Building Maintenance and Operations 2
- Building Maintenance and Operations 3
- Building Maintenance and Operations 4

Arts, Audio/Video Technology & Communications:

Broadcasting Technology Courses

- Fundamentals of Broadcasting
- Radio Broadcasting Presentations
- Television Production Applications
- Producing Live TV
- Video Editing

Multimedia Publishing

- Intro to Visual Communication
- Digital Photography
- Videography
- Cross-Media Publishing

Social Journalism Courses

- Funds of Media Writing
- Cross-Media Publishing (Yearbook)

Business Management & Administration:

Business Enterprise

Business Computer Applications I, II
Business Law and Ethics
Business and Marketing Essentials
Office Procedures
College Business Economics

Career and Work Skills Training (CWST)

Career and Work Skills Training I
Career and Work Skills Training II
CWST Work Experience
CWST Work Experience II

Finance:

Financial Management

Accounting Principles I
Accounting Principles II
Intro to Finance
Business Finance

Government & Public Administration:

JROTC

JROTC I, II, III, IV
AFJROTC Junior Course
AFJROTC Senior Course

Health Science:

Sports Medicine

Foundations of Sports Medicine
Advanced Principles of Sports Medicine

Therapeutic Services

Foundations of Health Science
Advanced Principles of Health Science
Clinical Specialty I
Clinical Specialty II

Hospitality & Tourism:

Baking and Pastry

Baking and Pastry Foundations
Baking and Pastry I
Baking and Pastry II
Baking and Pastry Advanced

ProStart Restaurant Management

Restaurant and Culinary Foundations
Restaurant Management Essentials
Advanced Principles in Food Production
Restaurant Professional

Tourism

Introduction to Tourism
Travel West Virginia
Adventure Tourism
Parks & Recreation Program Management
Tourism Internship
Tourism Leadership

Human Services:

Pre-Cosmetology

Barbering and Cosmetology Foundations
Cosmetology Professional 1
Cosmetology Professional 2
Cosmetology Professional Advanced
Cosmetology Chemicals 1
Cosmetology Science 1
Cosmetology Science 2
Cosmetology Chemicals 2
Nail Technology Science and Procedure
Art of Nail Technology
Nail Technology Clinical Experience

Information Technology:

Information Management

Technical Communications I
Technical Communications II
Desktop Publishing
Digital Imaging/Multimedia I

Manufacturing:

Aviation Maintenance Technician

Aviation Fundamentals 1
Aviation Fundamentals 2
Airframe Systems 1
Airframe Systems 2

Industrial Equipment Maintenance

Fundamentals of Industrial Equipment Maintenance
Hydraulic and Pneumatic Systems
Fundamentals of Welding Technology
Electrical Maintenance

Millwork and Cabinetmaking

Millwork and Cabinetmaking I
Millwork and Cabinetmaking II
Millwork and Cabinetmaking III
Millwork and Cabinetmaking IV

Marketing:

Marketing Management

Marketing Principles
Marketing Applications
Marketing Work Experience/Internship
Cross-Media Marketing

Additional Courses

Advanced Communication I
Africana Studies
Agriculture Experience Program 2
AP Psychology
AP Research
Athletic Leadership
Civil War History
College 101
Community Service
Creative Writing I
Creative Writing II
Cultural Enrichment
Driver Education
Economics
English as a Second Language & II, III, IV
Geography
Independent Study
Leadership
Learning for Independence, Family, and Employment (LIFE)
Learning Skills
Library Practice
Life Fitness & Education
Medieval & Renaissance History
Microbiology
Mythology I
Parenting and Strong Families
Photography
Psychology
School Newspaper
Science Lab Assistant
Shakespeare
Sociology
College Sustainability Studies
Team Sports & Team Sports II
Weight Training Introduction, Weight Training, Weight Training Intermediate & Advanced
World Religions
Young Adult Fiction I
Young Adult Fiction II
Zoology

State Fulfillment Courses

Students may fulfil a credit requirement by completing courses as indicated.

- Digital Imaging/Multimedia I fulfills 1 Art credit
- Drafting Techniques fulfills 1 Art credit.
- Millworking I, II, III or IV fulfills 1 art credit (Begins With class of 2027)
- JROTC 1 (1065) & II (1066) fulfills 1 PE credit.
- JROTC 1 (1065), II (1066), III (1080) and IV (1081) fulfills 1 Social Studies credit (not Civics – see JROTC descriptions for more information.
- Natural Resource Management fulfills the 3rd Science credit
- Principles of Engineering fulfills the 3rd Science credit

James Rumsey Fulfillment Courses:

Students may fulfil a credit requirement by completing courses as indicated.

- Digital Imaging/Multimedia I fulfills 1 Art credit
- Fund. of Illustration fulfills 1 Art credit
- Graphic Design Appa fulfills 1Art credit
- Funds of Graphic Design fulfills 1 Art credit
- Illustration fulfills 1 Art credit
- Ornamental Metalwork fulfills 1 Art credit
- 3 required courses in Therapeutic Services fulfills the 3rd science credit – Funds of Health Science, Adv. Principles of Health Science and either Clinical Specialty I or II

Embedded Credit Courses

Embedded credit is awarded to students who successfully complete the specified CTE program, as indicated, along with a corresponding supplemental mini-course.

BCS CTE Programs that Embedded Credit may be earned in:

Transition English Lang. Arts for Seniors

- Marketing Management
- Pre-Cosmetology
- Therapeutic Services (MedEd)

Transition Math for Seniors

- Building Maintenance and Operations
- Industrial Equipment Maintenance

JRTI CTE programs that Embedded Credit may be earned in:

Transition English Lang. Arts for Seniors

- Allied Health Sciences
- Early Childhood Classroom Assistant Teacher
- Law and Public Safety
- ProStart Restaurant Management
- Therapeutic Services

Transition Math for Seniors

- Automotive Technology
- Carpentry
- Electrical Technician
- Emergency and Firefighting Management Services
- HVAC Technician
- Masonry
- Plumbing
- Robotics
- Welding

Computer Science and Mathematics

- Coding, App, and Game Design

Program of Studies

Please note that while most courses listed on the following pages are offered at all four Berkeley County high schools, some courses are available only at select schools. The notations below identify which school(s) offer each course.

(1) Hedgesville High School offering

(2) Martinsburg High School offering

(3) Musselman High School offering

(4) Spring Mills High School offering

(*) Offered in all schools

ENGLISH LANGUAGE ARTS

ENGLISH LANGUAGE ARTS 9--4009
1 credit. Prerequisite: none. Through individualized instruction, hands-on activities, and cooperative learning, this course covers basic grammar, literature, and composition. Areas of emphasis include applied communication, oral communication, listening skills, vocabulary, all literary genre, research, and grammar necessary for speaking and writing effectively. Offered: *

ENGLISH LANGUAGE ARTS 9 HONORS--4009H
1 credit. Prerequisite: honor requirements. This academically challenging course emphasizes higher-level cognitive skills, all literary genre, grammar, vocabulary, composition, and research necessary for the college bound student. Writing skills, verbal skills, and analyzing skills are explored in-depth to insure the student's preparation for Honors English 10, Advanced Placement English, and college. Offered:*

ENGLISH LANGUAGE ARTS 10--4010
1 credit. Prerequisite: English 9. This course is a review of basic grammar and composition skills that are necessary for written and oral communication. In addition to these studies, vocabulary development is covered as well as all basic reference skills. World literature studies highlight selections from drama, short story, non-fiction, poetry, and novel genres. Offered: *

ENGLISH LANGUAGE ARTS 10 HONORS--4010H
1 credit. Prerequisite: English 9. This course provides the college bound student a greater depth of study of all language arts genre needed for college preparation. Writing skills are studied to allow an understanding of research projects. Vocabulary is drawn from the standard college admission tests, and all literature elements are explored in a comprehensive study that prepares the student for advanced placement work and, ultimately, college admission. Offered: *

AP SEMINAR ELA—4040
1 credit. Prerequisite: English 9. 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. Satisfies the English 10 requirement. Offered: *

ENGLISH LANGUAGE ARTS 11--4011
1 credit. Prerequisite: English 10. This course covers American literature, grammar, composition, and communication skills. Through individual instruction, as well as cooperative learning, the literature will be studied as a reflection of the life and times of the American author. With emphasis on hands-on activities, the areas of study will include applied communications, speaking, listening, research, and grammar as a tool to facilitate the teaching of oral and written communications. Offered: *

AP ENGLISH LANGUAGE & COMPOSITION--4041
1 credit; open to grade 11. Prerequisite: English 10. This course is a preparation for advanced placement college entrance tests. It is a demanding course for the advanced student. This course may be used for English 11 credit. Offered: *

ENGLISH LANGUAGE ARTS 11 HONORS--4011H
1 credit. Prerequisite: English 10. This academically challenging course covers American literature, grammar, and composition. Using an historical-biographical approach, literature is analyzed through writing, oral presentations, class discussions, and vocabulary study. Grammar study is used as a tool to analyze, self-evaluate, and improve oral and written communications. A formal research paper is also required. Offered: *

ENGLISH 12 TRANSITION--4013
1 credit; open to grade 12. Transition English is for students who are unprepared for career or college and need additional instruction in reading/language arts. **This course will focus on informational reading and writing that prepare students with essential life skills.** Offered: *

ENGLISH LANGUAGE ARTS 12--4012
1 credit. Prerequisite: English 11. This course covers British literature, grammar, composition, and applied communications. Through individual instruction, as well as cooperative learning, British literature will be studied through historical-biographical background, thematic analysis, and writing and discussion activities that prepare the career-bound student for the world of work. Grammar is used to facilitate the teaching of oral and written communications with emphasis on practical application such as writing resumes or business letters, or interviewing for a job. Offered: *

ENGLISH 12 COLLEGE READINESS HONORS--4014H
1 credit; open to grade 12. This academically challenging course is intended for college

bound seniors, who intend to pursue STEM (Science, Technology, Engineering and Math) fields. This course is more grounded in largely informational text and writing across the curriculum. Offered: 2, 3, 4

COLLEGE ENGLISH—4012
1 credit; open grade 12. This course is a dual credit course through BlueRidge CTC; however, it will be taught by a high school English teacher. Offering this course allows our students an opportunity to take their first year of college English while still in the high school setting. Upon successful completion of the course, students will earn 6 college credits for BRCTC English 101/102 as well as a year of high school credit for English. Offered: *

AP ENGLISH LITERATURE & COMPOSITION--4042
1 credit; open to grade 12. Prerequisite: AP Language/Composition or English 11. This course is a preparation for advanced placement college entrance tests. It is a demanding course for the advanced student. This course may be used for English 12 credit. Offered: *

MATHEMATICS

INTRODUCTION TO MATHEMATICAL APPLICATIONS – 3020
1 credit; open to grade 9. This course will enhance students' capacity to grasp, interpret, and engage with numerical and mathematical information, while improving their problem-solving skills. They will explore and apply fundamental concepts of algebra, geometry, and statistical analysis to real-world career projects and situations. Introduction to Mathematical Application serves as an alternate, career-based option for Grade 9 students to take prior to Algebra I. This course is an option for students to earn one personalized mathematics credit towards graduation. Offered: *

ALGEBRA I--3061
1 credit; open to 9-12. This area of study introduces the fundamental concepts of algebra. Concepts included are evaluation of expressions, properties, solutions of equations, graphing, factoring, and operations with radicals. Offered: *

ALGEBRA I H--3061H
1 credit; open to grades 9-12. This class covers same areas as Algebra I in a more rigorous fashion. Offered: *

GEOMETRY--3062
1 credit; open to 9-12. Prerequisite: Algebra I. Geometry includes the interpretation and drawing of two- and three-dimensional objects. It includes the representation of problem situations with geometric models and the classifications and application of figures in terms of congruence and similarity. This course includes deduction of properties and relationships between figures and develops an understanding of the axiomatic system

through investigation and comparison. It reinforces previously learned algebraic skills and develops logic and deductive and inductive reasoning skills. Offered: *

GEOMETRY H--3062H
1 credit; open to 9-12. Prerequisite: Algebra I. This class covers same areas as Geometry except in a more rigorous fashion. Offered: *

APPLIED STATISTICS – 3028
1 Credit; Prerequisite: Algebra I and Geometry. Applied Statistics provides authentic experiences in statistics designed to strengthen students' application of the statistical method. Four broad concepts are emphasized: Exploring Data, Designing Studies, Functions and Modeling and Probability and Informed Decisions all while using the math practices. Offered: *

ALGEBRA II -- 3072
1 credit; open to 9-12. Prerequisite: Geometry. This area of study is an extension of the Algebra I program. It includes radicals, quadratic equations, complex numbers, systems of linear equations, inequalities and absolute values. Offered: *

ALGEBRA II H--3072H
1 credit; open to 9-12. Prerequisite: Geometry. This area of study is an extension of the Algebra I program. It covers the same areas as Algebra II except in a more rigorous fashion. Offered: *

MATH MODELING--3025
1 credit; open to 12. Prerequisite: Algebra II or Applied Stats. Primary focal points of Advanced Math Modeling include the analysis of information using statistical methods and probability, modeling change and mathematical relationships, mathematical decision making in finance, and spatial and geometric modeling for decision making. Offered: *

TRANSITION MATH FOR SENIORS--3052
1 credit; open to grade 12. Prerequisite: Algebra II or Applied Stats. The Transition Mathematics course is for students who are unprepared for career or college and need additional instruction in mathematics. This course will focus on skills necessary for students to be prepared for a non-STEM college curriculum or essentials life skills. There are two separate offerings. Upon successful completion of either option, students will earn a year of high school math credit.

- Transition Math for Seniors through BlueRidge CTC: Math 100/100A, one high school math credit, 6 BRCTC college credits. Offered: *
- Transition Math for Seniors: one high school math credit. Offered: *

TRIGONOMETRY/PRE-CALCULUS H--3073
1 credit; open to 10-12. Prerequisite: Algebra I, Geometry, Algebra II. This area of study develops an understanding of both triangular and circular functions with their properties and graphs. Trigonometric equations, inverse Trig functions, polar coordinates,

logarithms, and complex numbers are included in this course. The study of limits and functions, and analytical geometry are stressed as a preparation for Calculus. Continued emphasis is placed on multiple approaches to problem solving. Offered: *

AP COMPUTER SCIENCE A--3030
1 credit; open to 11-12. Prerequisites: Minimum of a C in Algebra I and other math courses taken. Learning JAVA requires a good mathematical background and good problem solving skills. Students should have a strong foundation in mathematics and be comfortable with functions and the concepts found in the uses of functional notation. Previous computer programming experience is not required. Recommended: Intro to Computer Science I.

This course is designed for students who are serious about programming. JAVA requires a good mathematical background and strong problem solving skills. The course is designed to prepare a student for the AP Computer Science exam, level A. Topics include: simple, user defined and structured data types, algorithm development, decisions and loops, arrays, recursion, searches and sorts, data abstraction, and classes. Offered: 1, 2, 3

AP STATISTICS--3033
1 credit; open to 11-12. Prerequisite: Algebra II. It introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Four broad concepts are emphasized: (1) exploring data; observing patterns and departures from patterns; (2) planning a study; deciding what and how to measure; (3) anticipating patterns in advance; producing models using probability and statistics; and (4) statistical inference; confirming models. Offered: *

AP CALCULUS AB--3031
1 credit. Prerequisite: Trigonometry/Pre-Calculus. This is a rigorous college-level mathematics course designed to prepare advanced mathematics students to pass the Advanced Placement Calculus exam. Topics include functions, limits, derivatives, integrations, and their applications. Offered: 2, 3, 4

AP CALCULUS BC--3032
1 credit. Prerequisite: AP Calculus AB. This course is roughly equivalent to both first and second semester college calculus courses and extends the content learned in AB to different types of equations and introduces the topics of sequences and series. Offered: 2, 3, 4

COLLEGE ALGEBRA 126— (3051)
½ credit. Prerequisite: Students must have completed math courses through Algebra II with a “C” average or higher and pass a prerequisite test given by WVU. This dual credit, one-semester course, is taught by a high school math teacher through WVU. Introduces the foundations of analysis designed to precede the calculus sequence with emphasis on functions and graphs. Topics include properties of absolute value, polynomial, rational, exponential, logarithmic functions, and techniques for solving

equations and inequalities. Upon successful completion of the course, students will earn 3 WVU college credits for Math 126/College Algebra as well as a .5 high school math credit. Students must pay tuition as determined by WVU. Offered: *

COLLEGE TRIGONOMETRY 128— (7783)
½ credit; Prerequisite: Successful completion of WVU Math 126/College Algebra first semester. This dual credit, one-semester course, is taught by a high school math teacher through WVU, second semester only. This course is the study of trigonometric functions, identities, vectors, complex numbers, and trigonometric equations. Upon successful completion of the course, students will earn 3 WVU college credits for Math 128/College Plane Trigonometry as well as a .5 high school math credit. Students must pay tuition as determined by WVU. Offered: *

COLLEGE PRE-CALCULUS—7771
½ credit; Prerequisite: College Algebra or proper placement on test scores. This dual credit, one-semester course, is taught by a high school math teacher through BlueRidge CTC. This course is preparation for calculus, which includes various topics in algebra and trigonometry. Algebra topics include the analysis of linear, quadratic, polynomial, radical, rational, absolute value, piecewise, exponential and logarithmic functions and their graphs along with applications. Trigonometry topics include the study of angles and trigonometric functions using both the unit circle and right triangle approaches, verifying trigonometric identities, solving trigonometric equations, solving right and oblique triangles with applications, and analyzing the characteristics of trigonometric and inverse trigonometric functions. Other topics include complex numbers, sequences, series and summation notation. As time permits, additional topics may be chosen from systems of equations, partial fractions, conic sections, vectors, polar coordinates, and/or mathematical induction. Upon successful completion of the course, students will earn 4 BRCTC college credits for Math 108/Pre-Calculus as well as a .5 high school math credit. Offered:1, 2, 4

COLLEGE CALCULUS I--3144
½ credit; Prerequisite: Math 108/Pre-Calculus or proper placement on test scores. This dual credit, one-semester course, is taught by a high school math teacher through BlueRidge CTC. This course is an introduction to the fundamental concepts of differential and integral calculus from algebraic, numerical, and graphical points of view. Topics covered include limits, continuity, differentiation, and integration of elementary algebraic, transcendental, and inverse functions. Other topics include implicit differentiation, Mean Value Theorem, extrema, linear approximation, differentials, L'Hopital's Rule, antiderivatives, Riemann Sums and the Fundamental Theorem of Calculus. Applications will be incorporated throughout the course such as position, velocity, acceleration, rates of change, curve sketching, related rates, optimization, and area. As time permits, additional topics may be chosen from volume, arc length and/or integration techniques. Upon successful completion of the course, students will earn 4 BRCTC college credits for Math 207/Calculus I as well as a .5 high school math credit. Offered: 1, 2, 4

COLLEGE STATISTICS--3029
½ credit; Prerequisite: Proper placement on test scores. This dual credit, one-semester course, is taught by a high school math teacher through BlueRidge CTC. This course introduces the fundamental concepts of probability and statistics. Topics include descriptive statistics, random sampling methods, frequency distributions, measures of central tendency and variability, set theory, probability, permutations and combinations, random variables, probability and sampling distributions, expectation, central limit theorem, confidence intervals and hypothesis testing for means and proportions (one and two sample) and simple linear regression and correlation. Applications from a variety of disciplines are incorporated throughout the course. Appropriate application software will be utilized. Upon successful completion of the course, students will earn 3 BRCTC college credits for Math 114/Elem. Probability & Statistics as well as a .5 high school math credit. Offered: 1

SCIENCE

*** EARTH AND SPACE SCIENCE –6201,** 1 credit; required course for all incoming 9th graders. The ninth grade Earth and Space Science (ESS) course builds upon science concepts from middle school by revealing the complexity of Earth's interacting systems, evaluating and using current data to explain Earth's place in the universe and enabling students to relate Earth Science to many aspect of human society. Students will focus on five ESS content topics: Space Systems, History of Earth, Earth's Systems, Weather and Climate, and Human Sustainability. Students will engage in active inquiries, investigations, and hands-on activities as they develop and demonstrate conceptual understandings and research and laboratory skills described in the objectives. Offered: *

*** EARTH AND SPACE HONORS --6201H**
1 credit; required course for all incoming 9th graders. Course description is similar to Ninth Grade Earth and Space Science with more in-depth study. Additional papers and projects may be required. Offered: *

*** BIOLOGY --6021**
1 credit; required course for all sophomores. Prerequisite: Earth and Space Science 9. This course is designed for students desiring a broader but more in-depth study of content found in many biological fields of endeavor. This course is designed to build upon the concepts, skills, and knowledge completed in the thematic science program. This course is intended for students interested in scientific and health related careers. Offered: *

*** BIOLOGY H --6021H**
1 credit; open to grade 10. Course description is similar to Biology with more in-depth study. Additional papers and projects may be required. Offered: *

*** AP BIOLOGY --6121**
1 credit; open to grades 11-12. Prerequisite: Biology (Chemistry is also helpful). This course is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their first year. The two main goals of AP Biology are to help students develop a conceptual framework for modern biology and to help students gain an appreciation of science as a process. Three general areas are covered: (1) Molecules and Cells, (2) Heredity and Evolution, and (3) Organisms and Populations. Offered: 1, 2, 3

***COLLEGE BIOLOGY —6025**
1 credit; open to 11-12. This course is a dual credit course through WVU; however, it will be taught by a high school science teacher. Offering this course allows our students an opportunity to take their first year of college Biology while still in the high school setting. Upon successful completion of the course, students will earn 8 college credits for WVU Biology 101-102 as well as a year of high school credit for advanced biology. Offered: *

*** CHEMISTRY --6031**
1 credit; 1 year; open to grades 10-12. Prerequisite: Algebra I & II. This course is a study of the composition of matter and the reactions of one substance with another. It covers the major areas of inorganic chemistry from formula writing to the mole concept and stoichiometry. Additional topics include bonding, behavior of gases, solution chemistry, kinetics and equilibrium, and acid-base chemistry. Chemistry is designed to prepare students for college chemistry and to give background information needed for careers in science, medicine, home economics, engineering and related fields. Offered:*

*** CHEMISTRY HONORS – 6031H**
1 credit, 1 year; open to grades 10 – 12. Prerequisite: Algebra I & II. Course description is similar to Chemistry with more in-depth study. Additional papers and projects may be required. Offered: *

*** AP CHEMISTRY --6321**
1 credit. Prerequisite: Chemistry. This course is designed to be the equivalent of the general chemistry course usually taken during the first college year. The AP Chemistry course is designed to be taken only after the successful completion of a first course in high school chemistry and the successful completion of Algebra II. The following topic areas are: (1) Structure of Matter, (2) States of Matter, (3) Reactions, (4) Descriptive Chemistry, and (5) Laboratory. Offered: 1, 2, 3

***COLLEGE CHEMISTRY – 6033**
1 credit; open to 11-12. Prerequisite: Algebra II and Chemistry. This course is a dual credit course through WVU; however, it will be taught by a high school science teacher. Offering this course allows our students an opportunity to take their first year of college Chemistry while still in the high school setting. Upon successful completion of the course, students will earn 3 college credits for WVU CHEM 110 and 4 college credits for CHEM 115/115L as well as a year of high school credit for advanced chemistry.

Offered: 1

*** PHYSICS --6041**
1 credit; 1 year; open to grades 11-12. Prerequisite: Math I (Math II recommended). This is the study of energy and matter and their relationship with each other. The examination of motion, light, sound, electricity and magnetism, and nuclear energy are also studied. The content provides a solid foundation in physics. A science project can be required. This course is recommended for students interested in engineering, technological and scientific fields. Offered: 2, 3, 4

* **AP PHYSICS --6326**
1 credit; open to grades 11-12. Prerequisite: Math II. In AP Physics students cultivate their understanding of Physics through inquiry-based investigations as they explore topics such as Newtonian mechanics (including rotational motion); energy and power; mechanical waves and sound; and introductory, simple circuits. Offered: 1, 2, 3

*** HUMAN ANATOMY AND PHYSIOLOGY --6103**
1 credit; 1 year; open to grades 11-12. This course is suggested for students interested in the human and medical aspects of biology. The body structures are identified along with the exploration of body chemistry and mechanics. Labs deal with the nature of microscopic studies of cells and tissue, human pathology, blood morphology and physiology, and small animal dissections for system identification. Individualized work is stressed, and science project(s) can be required. Offered: *

*** ENVIRONMENTAL SCIENCE --6312**
1 credit; open to grades 11-12. This class is an advanced level lab course which builds on foundational knowledge of the chemical, physical, biological, geological processes and focuses on the natural world. Through an inquiry-based program of study, all students will demonstrate environmental literacy as they explore the economic, social, political, and ecological interdependence in urban and rural areas. Students will synthesize information and experiences across disciplines as they acquire knowledge, values, and skills needed to protect and improve the environment. Offered: *

*** AP ENVIRONMENTAL SCIENCE --6221**
1 credit; open to grades 11-12. Prerequisite: Biology and Chemistry. This course will provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and man-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Offered: *

*** FORENSIC SCIENCE**—6044
1 credit; open to grades 11-12. Prerequisite: 2 years of Science. A hands-on class designed to investigate all the science disciplines through the forensic science processes. Offered: *

*** PHYSICAL SCIENCE-- 6011 (Recommended 3rd course for juniors not in STEM Pathway)**
1 credit; Prerequisite: Earth and Space Science and Biology. The Physical Science course develops understandings of the core concepts from chemistry and physics: Structure and Properties of Matter; Chemical Reactions; Forces and Interactions; Energy; and Waves and Electromagnetic Radiation. The objectives in Physical Science allow high school students to explain more in-depth phenomena central not only to the physical sciences, but to life and earth and space sciences, as well. These objectives blend the core ideas with scientific and engineering practices and crosscutting concepts to support students in developing useable knowledge to explain ideas across the science disciplines. Offered: *

***Most colleges and universities will count these courses as a lab science. However, check with the institution to be sure.**

SOCIAL STUDIES

- Students who take US Studies must take Contemporary Studies.

WORLD HISTORY--7010
1 credit; required for grade 9. The World: To the Age of Exploration (1500 AD) is the foundation course on which the subsequent social studies courses are built. This area of study emphasizes the historical, economic, geographic, political, and social structure of various cultural regions of the world beginning with the dawn of civilization and ending with the period of the western world's exploration and conquest. Offered: *

WORLD HISTORY H--7010H
1 credit. Prerequisite: teacher approval and grade qualification. Students meeting the state criteria may elect this course. The course covers the content of the specific area and in-depth pursuit of chosen topics. Additional projects and papers may be required. Offered: *

AP WORLD HISTORY--7048
1 credit; open to grades 9-12. A college-level class, AP World History will develop greater understanding of the evolution of global processes and contacts, in interaction with different types of human societies. Using periodization, the course builds on an understanding of cultural, institutional, and technological precedents that, along with geography, set the human stage. 8000 BC to present. Offered: *

UNITED STATES STUDIES--7009
1 credit; required for grade 10. The emergence of the United States into the world encompasses a concentrated study of the United States from its inception until its emergence into world affairs. This is an initial course leading into The World to the Age of Exploration and The United States in the World: The 20th Century. Social Studies

concepts such as colonialism, imperialism, and nationalism are common threads to understanding that the unfolding of chronological events is, a study in cause and effect. The course concludes with the Industrial Revolution as stimulus for imperialism and sets the stage for the emergence of the United States as a world power. Offered: *

UNITED STATES STUDIES HONORS – 7009H
1 credit; open to grade 10. Prerequisite: Students must have teacher approval and grade qualification. The course covers the content of the specific subject area and in-depth pursuit of chosen topics. Additional projects and papers may be required. Offered: *

CONTEMPORARY STUDIES--7011
1 credit; required for grade 11. The United States and the World: The 20th Century, the capstone course for the three-year plan of study, provides students with an understanding of the major events and people that have shaped the world in which they live. A chronological review of these events and people provides students a framework to examine political, economic, social and technological changes which have occurred during this century. Students use geographic concepts to see how men and women have shaped and been shaped by their environment. Students demonstrate an understanding of the interdependency of the United States within the affairs of the world. The course concludes with students evaluating current world concerns and suggesting ideas dealing with those concerns. Offered: *

CONTEMPORARY STUDIES H – 7011H
1 credit; open to grade 11. Students must have teacher approval for this course. The course covers the content of the specific subject area and in-depth pursuit of chosen topics. Additional projects and papers may be required. Offered: *

AP US HISTORY--7046
1 credit; open to grade 11. Prerequisite: student must have approval of teacher and meets state guidelines. This is a college level introduction to United States history from colonial times to the present. This class may be a substitute for the 11th grade social studies requirement. Offered: *

COMPREHENSIVE STUDIES--7012
1 credit; open to grades 10-12. This course examines the evolution of the *U.S. Constitution* as a living document and the role of participatory democracy in the development of a rapidly changing technological society. This study of the United States is an examination of the formative years for the colonization of what would be the United States to present day. Offered: 3

CIVICS/GOVERNMENT—7031 (Students must take Civics on the high school campus. No virtual options are available.)
1 credit; required, open to grade 12. In this course, students develop the knowledge, skills and dispositions to engage in civic life, financial literacy, politics and government and analyze the personal, political and economic roles of responsible citizens in

American democracy. Students explain and give examples of the traits of public character of informed, effective and responsible citizens and demonstrate through explanation and example how responsible citizens interact, monitor and influence public policy. Offered: *

CIVICS/GOVERNMENT H--7031H
1 credit; required, open to grade 12. Prerequisite: Teacher approval from US History II teacher. Students will develop the knowledge, skills, and dispositions to engage in civic life, financial literacy, politics and government and analyze the personal, political, and economic roles of responsible citizens in American Democracy. In addition, this class would provide a more in-depth view of state content standards. Also, the instructor may require additional projects and papers. Offered: *

AP GOVERNMENT & POLITICS—7044 (Students must take Civics on the high school campus. No virtual options are available.)
1 credit; open to grades 11-12. Civics education is essential for active participation by informed citizens. This course emphasizes a study of government and individual rights and responsibilities. Examination of rules and laws, the need for authority to maintain a safe society, financial literacy, the ability to resolve conflicts peacefully, articulate and defend positions, and to engage in the civic and political life of the community is all imbedded in this course. This class may be a substitute for the 12th grade civics/government requirement. Offered: *

PERSONAL FINANCE

PERSONAL FINANCE—1451
1 credit; open to grades 9-12. This course is designed to develop student understanding and skills in such areas such as money management, budgeting, financial goal attainment, credit, insurance, investments and consumer rights and responsibilities. The course culminates in a personal financial literacy workshop requiring students to share their knowledge with others. This course features a variety of activities, assessments (including multiple-choice test items) and resource lists for instructional use. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Offered: *

AP BUSINESS WITH PERSONAL FINANCE—1450
1 credit; open to grades 10-12. AP Business with Personal Finance is an introductory, college-level business and personal finance course. Students explore the business disciplines of entrepreneurship, marketing, finance, accounting, and management through real-world business application, case studies, and project-based learning. In addition, students learn and apply all the National Standards for Personal Financial Education created by the Council for Economic Education and the Jump$tart Coalition for Personal Financial Literacy**.** Offered: *

PHYSICAL EDUCATION

HEALTH--6909
1 credit; open to grade 9. This course provides information concerning the mental, physical, and social aspects of health. Areas taught include personal health and fitness, getting along with others, chemical abuse, body systems, social health, consumer health, safety and emergency care, environmental concerns, and disease prevention. Offered: *

PHYSICAL EDUCATION--6609
1 credit; open to grades 10-12. Prerequisite: none. This course involves learning the basics of team sports and lifetime sports while improving the physical fitness of the student. Offered: *

INTEGRATED PHYSICAL EDUCATION--7949
1 credit. Open to 10th grade (unless approved by administrator). The PE requirement must be completed by the end of a student's junior year. If not, the student will be placed into a Physical Education (6609) course during the senior year. Prerequisite: Both the student and parent must read and sign a contract before the student enters this course. This course is a blended approach that emphasizes lifetime activities where a virtual/online PE course, monitored by a PE teacher, is combined with a physically active credit bearing course. The virtual/online PE course and the physically active credit bearing course MUST be taken CONCURRENTLY. The PE teacher will administer the virtual/online course and provide a grade and credit for that course. The teacher of the physically active credit bearing course will provide a grade and credit for that course. The student must complete and pass both courses to receive the Integrated PE credit. The physically active credit bearing elective courses that may be combined with the virtual/online PE course are: Band I, II, III, IV, Show Choir I, II, III, IV and Dance I, II, III, IV, Dance Team. Offered: *

EXTRACURRICULAR INTERSCHOLASTIC PHYSICAL EDUCATION--7948
1 credit. Open to 9-11. The requirement must be completed by the end of a student's junior year. If not, the student will be placed into a Physical Education (6609) course during the senior year. This course will be listed on a transcript as a non-graded credit. Therefore, it will not affect GPA or help with athletic eligibility. A student must complete 3 seasons of a WVSSAC sponsored sport to receive the credit. Students will have the coach complete paperwork confirming that they have finished the season in a WVSSAC sponsored sport. The paperwork must be turned into the student's counselor during the same semester in which the sport finishes its season. Once a student has three verifications, the counselor will award the credit. Students who play sports in the 8th grade may not count that as a completed season for this PE course. Offered: *

ARTS

ART I--3211
1 credit; 1 year; open to grades 9-12. Prerequisite: none. Students will learn the mechanical aspects of drawing, the principles of the basics of design, color, etc. The course includes some art history and appreciation. Offered: *

ART II--3212
1 credit; 1 year; open to grades 10-12. Prerequisite: Art I or other visual arts course or teacher approval. This course explores the techniques learned in Art I and concentrates on developing new techniques, one's style, self-critique, and problem solving. This course includes some art history and appreciation. Offered: *

ART III --3213 & ART IV--3214
1 credit; 1 year; open to grades 11-12. Prerequisite: Art II, III. This is a course of high level of art exploration. These courses emphasize increased skills in advanced techniques including painting, graphic design, printmaking, and 3-dimensional work as well as in-depth studies of art history and art appreciation. Students will have the opportunity to choose their own media at times during the course as individual student projects. The course includes some art history and appreciation. Offered: *

CALLIGRAPHY— (3319)
1 credit; open to grades 10-12. A course designed to introduce the student to the art of beautiful writing. Students will learn techniques for several basic lettering styles with emphasis being placed on the italics style of pen lettering. Offered: 4

CERAMICS/POTTERY—3307
½ credit; open to grades 10-12. This is a visual arts course that provides students with in-depth study of ceramic and pottery techniques, processes, and design. Students explore hand-building, wheel-throwing, glazing, and surface decoration while developing creativity, craftsmanship, and problem-solving skills through the creation of functional and expressive three-dimensional works of art. Through the study of ceramic history, cultural influences, and contemporary practices, students learn to apply the elements of art and principles of design while safely and responsibly using tools, materials, and studio equipment. Offered: 4

PAINTING—3245, II – 3246, III – 3247, IV - 3248
½ credit; open to grades 10-12. This course could be taken with photography or calligraphy for an art credit. Students will work with various paintings, media, techniques, and processes. A critical process will be used to discuss student work and the work of others. Ancient paintings through modern paintings will be researched, discussed, and emulated. Offered: *

DRAWING—3331, II - 3332, III – 3333, IV - 3334
½ credit; open to grades 10-12. This course can be taken with Photography, Calligraphy, or Painting for the art credit. Students will work with various drawing techniques, media and processes. A critical process will be used to discuss student work and the work of others. Subjects and themes of historical and contemporary artists will be researched, discussed and emulated. Offered: 2, 3

AP STUDIO ART 2-D DESIGN--3222
1 credit; open to grades 11-12. Prerequisite: Art I, Art II, and signature from teacher. The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written exam; instead, students submit portfolios for evaluation at the end of the school year. The AP Studio Art Program consists of three portfolios—2-D Design, 3-D Design, and Drawing—corresponding to the most common college foundation courses. Offered: 2, 3, 4

GRAPHIC ARTS— 3313
1 credit; open to grades 9-12. Students will explore the elements of art and principles of design while using technology tools. This course introduces students to basic digital photography and interactive media in making art. Students develop skills and techniques needed to create visual art with electronic media. Course includes some art history and appreciation. Offered: *

THEATRE

THEATRE I--3801
1 credit; 1 year; open to grades 9-12. Prerequisite: none. This class serves as an introduction to the performing arts with emphasis on developing individual performance abilities. All projects involve class members in group or individual participation in such activities as pantomimes, improvisations, scenes, extemporaneous talks, discussion, plays and performances. Offered: *

THEATRE II--3802
1 credit; 1 year; open to grades 10-12. Prerequisite: Theatre I (The teacher, however, may accept a student who has displayed unusual ability and knowledge through numerous and various acting experiences). Emphasis will be on advanced acting techniques, serious study of comedy and tragedy, study of dialects, play directions, play production, and a more in-depth study of the technical aspects of play production. Drama Festival participation and one-act class productions are also stressed. Offered: *

THEATRE III--3803
1 credit; 1 year; open to grades 11-12. Prerequisite: Theatre II. This course is designed for the serious drama student who may want to study theatre arts for a career. There will be more in-depth training in advanced acting techniques, an emphasis on directing techniques, and individual pursuit in all phases of technical theatre. Offered: *

THEATRE IV--3804
1 credit; 1 year; open to grade 12. Prerequisite: Theatre III. This course will involve the student in actual play production. Each student will be responsible for the production of a one-act class play and will help with the production and selection of the state drama festival play. Students will help with the maintenance of the auditorium and all backstage areas, as well as with the lighting equipment, make-up supplies, etc. Many after school hours will be required. Offered: *

THEATRE STAGE CRAFT— 3859
1 credit; open to grades 9-12. Prerequisite: none. This class would assist in maintaining the theatre facility of the school. Students would help set up and tear down the stage equipment used in the theatre. Students would work during class time to prepare lights, sound, and stage properties for performances, assemblies, and other school and theatrical events. The class is designed for students who need an art credit but do not have the desire to perform on stage. Limit of 15 students per year. Offered:*

THEATRE/STAGECRAFT COMPREHENSIVE – 3867
1 credit; open to grades 10-12. Prerequisite: Theatre Construction & Preparation. In this course, students will participate in a diverse array of project-based learning experiences by creating a real-world working environment of a theatre. The system will ask students to become scenic designers by demonstrating skills in advanced knowledge of stagecraft (scenic and prop design) and its real-world application using drawings, rendering, model building, advanced construction, and construction management technologies. Offered: 1, 2, 4

FILM STUDIES – 3819
1 credit; open to grades 9-12. Course Description: This course is intended to familiarize students with the evolution of film history as well as provide them with a chance to analyze film as a visual art form. This course should appeal to any and all students who love to watch movies and discuss them. Offered: 1, 4

PERFORM EVALUATION AND CRITIQUE— 3835
1 credit; open to grades 9-12. This class is aimed at the entering freshman but available to all students. Students will attend and evaluate a variety of performances including stage, film, orchestra, band, choral, stage to film adaptions and dance and visual arts. They then will reflect upon, evaluate and effectively critique each genre according to the objectives of this course. Successful students in the class must attend assigned performances both during and after school. Offered: 2

DANCE

DANCE I--3401
1 credit; open to grades 9 -12. This dance class will focus on technical skills. In addition, the major principles of choreography and the higher level thinking skills

necessary to employ dance as an effective means of communication will be a central part of the curriculum. Offered: *

DANCE II--3402
1 credit; open to grades 10-12. Prerequisite: Dance I. Students will concentrate on comparing and contrasting dances of various cultures and historical periods as well as making connections between dance and other disciplines. Emphasis will be placed on dance as a means of developing and maintaining a healthy lifestyle. Offered. *

DANCE III--3403
1 credit; open to grades 11-12. Prerequisite: Dance I and II. Eleventh grade dance will stress practice in performing technical and choreographically skills necessary for artful presentation. Emphasis will be placed on the relationship of dance to careers. Research of dance history and artists will be an integral part on this year of study. Offered: *

DANCE IV--3404
1 credit; open to grade 12. Prerequisite: Dance I, II, and III. Creating and performing dance is the major emphasis of dance study at the twelfth grade level. The creative process will be studied and students will develop an awareness of dance and its place in the present and future culture. Offered: *

DANCE TEAM— (3431)
1 credit; open to grades 9-12. Prerequisite: By audition only. This course is designed to condition dance skills and develops advance dance technique. After school practices are required. Performance attire is required. Performances are a requirement for completion. Offered: 2, 3, 4

MUSIC

MUSIC THEORY-- 3756
1 credit; open to all 10-12. Prerequisite: Teacher permission, and students must have at least 3 years of playing experience. Course involves the study, analysis, and construction of music. Offered: 1, 2

MUSIC APPRECIATON/ HISTORY -- 3671
1 credit; open to grades 10-12. This course includes recognition of composers and music from different historical periods, understanding theory and analysis of different styles of music. Offered: 1, 2, 3

MUSIC IN MOVIES – 3750
1 credit; open to grades 9-12. This course is a music appreciation course that explores how music enhances storytelling in film. Students will examine how elements such as melody, rhythm, tempo, dynamics, instrumentation, and silence create mood, develop

characters, build suspense, and influence audience emotions. Through the study of film scores and songs from a variety of genres, cultures, and time periods, students will analyze the impact of music in movies, explore the work of influential film composers, and learn about careers connected to music and the film industry. No prior musical experience is required. Offered: *

BAND I-3611, II-3612, III-3613, IV-3614
1 credit; open to all students 9-12 through audition. This course includes the performing of standard and modern band literature in both concert and marching band media. The required activities include practices and performances, both concert and marching; participation during the summer months; and band camp. Band is most active during the fall semester with most weekly performances at half time shows, parades, or marching festivals. Concert band begins after marching season and the performance of modern and standard band literature paves the way for each individual's as well as the ensemble's development. Students are expected to attend all rehearsals and performances. Offered: *

STAGE BAND (INSTRUMENTAL ENSEMBLE I-3743, II-3744, III-3745, IV-3747)
1 credit; open to all students 9-12 by audition only. Course involves the study and performance of all forms of jazz, from swing to jazz-rock fusion. Emphasis is on individual and ensemble excellence with a special emphasis on improvisation. Offered: *

FLAG/RIFLE I – 7574, II – 7575, III – 7576, IV - 7577
½ credit; open to grades 9-12. Prerequisite: must audition in the spring preceding the next school year. This class is for students that do not play an instrument with the marching band, such as silk squad members. Students should have rhythm, coordination, and be able to stay in beat. Some after-school practice and summer band camp may be required. Offered: 1, 2, 4

PERCUSSION (INSTRUMENTAL ENSEMBLE I-3743, II-3744, III-3745, IV-3747)
1 credit; open to grades 10-12. Prerequisite: must be a member of the marching band and have permission by the teacher. Students will be taught to read music and play percussion section instruments by following proper musical procedures. Class must have a minimum of 12 students. Offered: *

STRINGS (INSTRUMENTAL ENSEMBLE I-3743, II-3744, III-3745, IV-3747)
1 credit; open to grades 9-12. Prerequisite: Minimum of two years of playing experience or approval of instructor. This level provides for further development of individual and ensemble playing skills. Students have knowledge of higher positions and scales up to three sharps and flats. This course meets daily. Offered: *

PIANO I—3681, Offered: 1,3,4; PIANO II – 3682, Offered: 1.4
1 credit; open to grades 9-12. Prerequisite: none. These courses teach basic piano techniques. Students learn correct wrist, hand, and body positions in playing major scales, block and broken chord patterns, cadences using I, IV, and V chords, and simple pieces. Offered: *

GUITAR I—3726, II – 3727, III, 3729, IV - 3730
1 credit; open to grades 9-12. Prerequisite: none. This course presents fundamentals of music and guitar playing techniques such as strumming and chords. This course may include more advanced playing techniques.
Offered: 1, 2, 4

CHORUS I-3621, II-3622, III-3623, IV-3624
1 credit; open to grades 9-12. Prerequisite: none. The student studies the fundamentals of singing, sight reading, and ear training. Chorus is a preparation course for advanced level choral music. Offered: *

CHAMBER CHOIR (VOCAL ENSEMBLES I-3766, II-3767, III-3768, IV-3769)
1 credit. Prerequisite: audition or teacher recommendation. Vocal development and musicianship in the field of choral literature are stressed. This group will perform music of all time periods including choreographed pop music. Concert attire required. Performances are a requirement for completion. Offered: *

SHOW CHOIR I-3770, II-3771, III-3772, IV-3773
1 credit; open to grades 9-12. Prerequisite: by audition only. This course is designed to develop voice and dancing skills. After school practices are required. Concert attire required. Performances are a requirement for completion. Offered: *

WOMENS CHORUS (VOCAL ENSEMBLES I-3766, II-3767, III-3768, IV-3769)
1 credit; open to grades 9-12. Prerequisite: audition. Female development and musicianship in the field of choral literature are stressed. This group will perform music of all time periods including choreographed pop music. Concert attire required. Performances are a requirement for completion. Offered: 1, 2, 3

ORCHESTRA I-3764, II-3765, III-3776, IV-3777
1 credit; open to grades 9-12. Prerequisite: Minimum of three years of playing experience on a string, wind, brass, or percussion instrument; knowledge of scales and melodies up to and including four sharps and four flats. Students will perform full Symphonic Orchestra works from various eras and genres. The class meets for ninety minutes a week in the evenings, plus dress rehearsals and two concerts a year. Audition required. Offered: *

WORLD LANGUAGES

- In order to offer various levels of a world language, several levels may be combined into one class period.

FRENCH I--5621
1 credit; open to grades 9-12. Prerequisite: none. This course is an introduction to French which emphasizes active use of the language and speaking. Ample practice in reading and writing is also given. It attempts to provide students with information about today's French-speaking world through an understanding of the language and culture. Offered: *

FRENCH II--5622
1 credit. Prerequisite: French I. This course is a continuation of French I, stressing the basic skills of listening, speaking, reading, and writing with an emphasis on speaking. It is recommended that students who have successfully completed French I take French II. Offered: *

FRENCH III--5623
1 credit. Prerequisite: French II. The course provides a more in-depth look at the French language and culture. French music, cooking, art, and other areas of French life will be explored. Also included will be a study of additional French-speaking countries of Europe, the Caribbean and Africa, reading of authentic materials in French, and discussion of historical events and persons. Offered: *

FRENCH IV HONORS--5624
1 credit. Prerequisite: French III. This is an advanced language course focusing on communication, culture, literature, and history. Students will communicate primarily in French. Advanced vocabulary and structure are covered. Offered: *

AP FRENCH--5669
1 credit; open to grade 12 students. Prerequisite: Successful completion of French IV. This course seeks to develop language skills (reading, writing, listening, and speaking) that can be used in various activities and disciplines. Extensive training in the organization and writing of compositions will also be emphasized. (As per the AP French Language course outlined by the College Board.) Offered: *

SPANISH I--5661
1 credit; open to grades 9-12. Prerequisite: none. Open to grades 8-12. Students begin to learn the second most spoken language in the United States. Students develop listening, speaking, reading and writing skills and experience the culture of Hispanic countries through simulated cultural activities and events. Real-life applications as well as applied grammar are stressed. The course also exposes students to various cultures and customs of the diverse Spanish speaking countries of the world. Its aim is to foster cross-cultural understanding and to increase the students' ability to effectively interact in an increasingly interdependent, and diverse society. Technology will be used to enhance student learning of Spanish through projects and activities. Offered: *

SPANISH II--5662
1 credit; open to grades 9-12. Prerequisite: Spanish I. Spanish II provides students with unique opportunities to experience the Hispanic culture with the use of a language

spoken by more than 500 million people in the world. Students continue to develop both oral and written communication skills using authentic materials such as ads, maps, magazines and newspapers. Students communicate in the present, past, and future tenses. The course also exposes students to various cultures and customs of diverse Spanish-speaking countries of the world. Its aim is to foster cross-cultural understanding and to increase the students' ability to effectively interact in an increasingly interdependent and diverse society. Technology will be used to enhance student learning of Spanish through projects and activities. Offered: *

SPANISH III--5663
1 credit; open to grades 10-12. Prerequisite: Spanish II. Students express opinions and preferences through more advanced uses of vocabulary in real-life situations. Students expand their use of the target language using the four language skills: speaking, listening, reading, and writing. Topics pertaining to clothing, food, art, music, and leisure activities will be discussed. Students will experience the passion of the Hispanic culture through authentic materials such as music CDs, videos, magazines, newspaper articles, poems, and cultural events. The course aim is to foster cross-cultural understanding and to increase the students' ability to effectively interact in an increasingly interdependent, and diverse society. Technology will be used to enhance student learning of Spanish through projects and activities. Offered: *

SPANISH IV HONORS--5664
1 credit; open to grade 11-12 students. Prerequisite: Spanish III. Spanish IV is an advanced proficiency course to refine both oral and written communications skills with current and relevant vocabulary presented within the context of Spanish-speaking countries. This course focuses on grammatical and structural stumbling blocks encountered by the student of Spanish. Authentic literary readings are presented. The course aim is to foster cross-cultural understanding and to increase the students' ability to effectively interact in an increasingly interdependent, and diverse society. Technology will be used to enhance student learning of Spanish through projects and activities. Offered: *

SPANISH V HONORS—5665
1 credit; open to grade 11-12 students. Prerequisite: Spanish IV. Spanish V is an advanced world language course that builds students' proficiency in listening, speaking, reading, and writing Spanish. Students expand their ability to communicate in connected paragraphs, discuss familiar topics in multiple time frames, and apply previously learned language to new situations. Through real-world communication and cultural exploration, students develop the skills needed to use Spanish with greater accuracy, complexity, and confidence. Offered: 1

AP SPANISH--5669
1 credit; open to grade 12 students. Prerequisite: Spanish IV. Advanced Placement Spanish students are expected to understand spoken Spanish in various contexts; develop a Spanish vocabulary for reading newspaper and magazine articles, literary texts and other non-technical writings without dependence on a dictionary; and express

themselves coherently, resourcefully, and with reasonable fluency and accuracy in both written and spoken Spanish. Extensive training in the organization and writing of compositions is an integral part of this course. Preparation for the SAT II and the Advanced Placement Test is provided. Offered: 1, 2, 4

COLLEGE SPANISH —5665
1 credit; open to 12. Prerequisite: Spanish III. This course is a dual credit course through BlueRidge CTC; however, it will be taught by a high school Spanish teacher. Offering this course allows our students an opportunity to take a year of college Spanish while still in the high school setting. Upon successful completion of the course, students will earn 6 BRCTC college credits for Col. Spanish 201/202 as well as a year of high school credit for Spanish.
Offered: 2, 3

CHINESE I—5611 – Chinese I and II will rotate each year.
1 credit; open to grades 9-11. Prerequisite: none. Beginning students in Chinese will develop initial proficiency by repetition, imitation and memorization. They will rely on active, concrete learning and understand short, simple texts. They will use gestures, facial expressions, visual and/or verbal responses to facilitate successful task completion. Effective use of the five standards (Communication, Culture, Connections, Comparisons and Communities) will guide beginning students toward language proficiency. Offered: *

CHINESE II—5612 – Chinese I and II will rotate each year.
1 credit; open to grades 10-12. Prerequisite: Chinese I. The acquisition of communication skills continues to be the primary focus of Chinese II. Level II students refine communication skills by combining and recombining vocabulary into sentences and longer utterances. They rehearse, initiate questions, and express their own ideas using basic tenses with some limitations. Level Ii students are comprehensible to a sympathetic native speaker accustomed to communicating with a non-native. Effective use of the five standards of foreign language learning (Communication, Culture, Connections, Comparisons and Communities) and their objectives will guide students toward language proficiency. Offered: *

CTE Clusters and Programs

CAREER & TECHNICAL EDUCATION

AGRICULTURE EDUCATION

- Students who have taken a Vo Ag Completer course or who are currently enrolled in a Vo Ag Completer course can take Natural Resource Management and fulfill a science credit and/or Floriculture and fulfill a fine art credit.

Program: Agribusiness Systems, AG 0120

INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES--0101
1 credit; open to grades 9-12. This is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

SCIENCE OF AGRICULTURE--0102
1 credit; open to grades 10-12. This course focuses on the basic scientific principles and processes related to the production of plants and animals for the food and fiber systems. Topics of instruction include basic understanding of the livestock/poultry industry and its various components, career opportunities, soil science, crop science/agronomy, weed science, basic agricultural mechanics and related industry careers, environmental stewardship, entrepreneurship, and leadership/personal development. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

AGRICULTURAL EXPERIENCE PROGRAM (SAE)--0134
½ credit; open to grades 9-12. Students enrolled in agricultural education courses have the unique opportunity for experiential and contextual learning on a grand scale. Students may select and participate in appropriate agricultural enterprises which provide opportunity to acquire skills, earn money, and develop responsibility while also earning high school credit. Must be enrolled in another approved class by instructor. **In order to become a completer, students will need 2 semester credits of SAE for a full credit.** Offered: *

***Select one course from below:**

FUNDAMENTALS OF AGRICULTURE MECHANICS--0112
1 credit; open to grades 10-12. This course introduces the knowledge and skills for applying the physical science principals and principles of operation and maintenance to mechanical equipment, welding and fabrication, structures, plumbing, electrical wiring, power utilization, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

ANIMAL PRODUCTION & MANAGEMENT--0140
1 credit; open to grades 10-12. This course is designed to be a core course in the Animal Systems concentration. The course will cover topics on animal restraint, animal management techniques, animal health and welfare, balancing rations, pedigree analysis and entrepreneurship. Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of FFA. Offered: 1, 3

NATURAL RESOURCE MANAGEMENT--0200
1 credit; open to 11 -12. This specialization course covers topics on soil and water conservation, basic wildlife management, environmental law and regulations, basic forestry, and land management. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. **Course is a fulfillment for 1 elective science credit (not transcribed).** Offered: 1, 4

HORTICULTURE--0212
1 credit; open to grades 10-12. This course provides instruction in the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, career opportunities, leadership development and entrepreneurial skills. Students utilize problem-solving techniques and participate in hands-on activities to develop and understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

Program: Animal Systems, AG 0220

INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES--0101
1 credit; open to grades 9-12. This is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and

participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

ANIMAL PRODUCTION & MANAGEMENT--0140
1 credit; open to grades 10-12. This course is designed to be a core course in the Animal Systems concentration. The course will cover topics on animal restraint, animal management techniques, animal health and welfare, balancing rations, pedigree analysis and entrepreneurship. Students will utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: 1, 3

AGRICULTURAL EXPERIENCE PROGRAM (SAE)--0134
½ credit; open to grades 9-12. Students enrolled in agricultural education courses have the unique opportunity for experiential and contextual learning on a grand scale. Students may select and participate in appropriate agricultural enterprises which provide opportunity to acquire skills, earn money, and develop responsibility while also earning high school credit. Must be enrolled in another approved class by instructor. **In order to become a completer, students will need 2 semester credits of SAE for a full credit.** Offered: *

***Select one course from below:**

COMPANION ANIMAL CARE (Odd Years) --0149
1 credit; open to grades 10-12. This is a specialization course designed for students interested in entering the companion animal industry as a pet groomer, animal care giver and/or companion animal entrepreneur. The course will cover topics on grooming, animal restraint, developing feed rations, business planning, developing marketing plans and animal facilities as they apply to various companion animals such as dogs, cats, rodents, birds, reptiles, amphibians and fish. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: 1, 3

LIVESTOCK PRODUCTION (Even Years) --0230
1 credit; open to grades 10-12. This is a specialization course designed for students interested in entering the livestock industry as a herd manager or livestock entrepreneur. The course will cover topics on nutrient management, farm planning, business planning, developing marketing plans, developing feed rations, forages, grassland management, embryo transfer and animal facilities as they apply to various livestock such as cattle, swine, sheep, goats, poultry and horses. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: 1, 3

Program: Plant Systems, AG 0210

INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES--0101
1 credit; open to grades 9-12. This is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

HORTICULTURE--0212
1 credit; open to grades 10-12. This course provides instruction in the broad field of horticulture with emphasis on the scientific and technical knowledge for a career in horticulture. Topics in this course include plant growth and development, plant nutrition, media selection, basic plant identification, pest management, chemical disposal, customer relations, career opportunities, leadership development and entrepreneurial skills. Students utilize problem-solving techniques and participate in hands-on activities to develop and understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

AGRICULTURAL EXPERIENCE PROGRAM (SAE)--0134
½ credit; open to grades 9-12. Students enrolled in agricultural education courses have the unique opportunity for experiential and contextual learning on a grand scale. Students may select and participate in appropriate agricultural enterprises which provide opportunity to acquire skills, earn money, and develop responsibility while also earning high school credit. Must be enrolled in another approved class by instructor. **In order to become a completer, students will need 2 semester credits of SAE for a full credit.** Offered: *

***Select one course from below:**

FLORICULTURE--0213
1 credit; open to grades 9-12. This specialization course covers topics on floral design, business planning, market plan development, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. **Course is a fulfillment for 1 art credit (not transcribed).** Offered: 1, 3

GREENHOUSE PRODUCTION & MANAGEMENT--0214
1 credit; open to grades 10-12. This specialization course covers instruction that expands the scientific knowledge and skills to include more advanced scientific computations and communication skills needed in the horticulture industry. Topics include greenhouse plant production and management, bedding plant production, watering systems light effects, career planning, leadership development and

entrepreneurial skills. Students utilize problem –solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: 1,2,4

FRUIT & VEGETABLE PRODUCTION (Odd Years)--0220
1 credit; open to grades 10-12. This specialization course covers topics on plant nutrition, site preparation, plant selection, harvesting, equipment, value-added agriculture, insect and disease identification and control, food safety, soil management, entrepreneurship, and animal control. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: 1

Program: Power, Structural and Technical Systems, AG 0110

INTRODUCTION TO AGRICULTURE, FOOD & NATURAL RESOURCES--0101
1 credit; open to grades 9-12. This is a core course for the Agriculture, Food and Natural Resources Career Cluster that builds a knowledge base and technical skills in all aspects of the industry. Learners will be exposed to a broad range of agriculture, food, and natural resources careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

FUNDAMENTALS OF AGRICULTURE MECHANICS--0112
1 credit; open to grades 10-12. This course introduces the knowledge and skills for applying the physical science principals and principles of operation and maintenance to mechanical equipment, welding and fabrication, structures, plumbing, electrical wiring, power utilization, and entrepreneurship. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

AGRICULTURAL EXPERIENCE PROGRAM (SAE)--0134
½ credit; open to grades 9-12. Students enrolled in agricultural education courses have the unique opportunity for experiential and contextual learning on a grand scale. Students may select and participate in appropriate agricultural enterprises which provide opportunity to acquire skills, earn money, and develop responsibility while also earning high school credit. Must be enrolled in another approved class by instructor. **In order to become a completer, students will need 2 semester credits of SAE for a full credit.** Offered: *

***Select one course from below:**

AGRICULTURE STRUCTURES--0113
1 credit; open to grades 11-12. Students will use computer skills to develop simple sketches and plans, read and relate structural plans to specifications and building codes, estimate project costs, use construction/fabrication equipment and tools, and plan and design machinery, equipment, buildings and facilities. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Students are encouraged to become active members of the student organization, FFA. Offered: *

AGRICULTURE EQUIPMENT AND REPAIR--0114
1credit, open to grades 11-12. This course builds on the principles of the previous course and provides more in-depth knowledge and skills as they relate to energy sources, lubricants, service and maintenance of machinery and equipment, and equipment operation. Students will apply principles of service and repair by troubleshooting problems and evaluating engine performance, follow guidelines to service and repair power transmission systems, hydraulic systems, and entrepreneurship. Tools used with these procedures will allow students to demonstrate proper skills and safety. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, FFA. Offered: 1, 2, 4

AGRICULTURE SMALL ENGINE REPAIR (Even Years)--2002
1 credit; open to grades 10-12. This course develops a students' knowledge and abilities in the theory of operation, maintenance, troubleshooting and repair of small gasoline engines. Safety instruction is integrated into relevant activities. Students are encouraged to become active members of FFA, the national youth organization for those enrolled in agricultural education. Offered: 1

AGRICULTURE EDUCATION

Course Rotation

2027-2028 (odd year)
2028-2029 (even year)

- Introduction to Agriculture, Food, and Natural Resources (every year)
- The Science of Agriculture (every year)
- Fundamentals of Agriculture Mechanics (every year)
- Agriculture Structures (odd year)
    - Agriculture Equipment & Repair (even)
- Agriculture Small Engine Repair (even year)
    - Livestock Production (even year)
- Companion Animal Care (odd years)
- Floriculture (every year)
    - Fruit and Vegetable Production (even year)
- Greenhouse Production and Management (every year)
- Horticulture (every year)
- Animal Production and Management (every year)
- Natural Resource Management (every year)
- Agricultural Cooperative Education (every year)
- Supervised Agricultural Experience

    Students shall receive 1/2 credit per academic year based on completion of approved SAE and submission of approved documentation. Two years must be completed to meet the requirement of 1 full credit.

ARCHITECTURE & CONSTRUCTION:

Program: Building Maintenance and Operations, AR 1800

BUILDING MAINTENANCE AND OPERATONS I – 1774
1 credit; open to 9 – 12. This course introduces the students to the knowledge base and technical skills of the Building Maintenance and Operations industry. Students will complete modules in Basic Safety, Introduction to Construction Math, Introduction to Hand tools, Power Tools and construction drawings. Offered: 1, 2, 3

BUILDING MAINTENANCE AND OPERATONS II – 1775
1 credit; open to 9 – 12. This course introduces the students to knowledge base and technical skills of the Building Maintenance and Operations industry. Students will complete modules in Basic Rigging, Basic Communication Skills, Basic Employability Skills, and Introduction to Materials Handling.. Offered: 1, 2, 3

BUILDING MAINTENANCE & OPERATIONS III – 1776
1 credit; Open to grades 10 – 12. Building Maintenance and Operations III will continue to build student skill sets in areas of Floor Systems; Wall and Ceiling Framing; Roof Framing; and Roofing Applications. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: 1, 2, 3

BUILDING MAINTENANCE & OPERATIONS IV – 1777
1 credit; Open to grades 10 – 12. Building Maintenance and Operations will continue to build student skill sets in areas of Exterior Finishing; Basic Stair Layout; Electrical Safety; and Residential Electrical Services. Offered: 1, 2, 3

ARTS, AUDIO/VIDEO TECHNOLOGY & COMMUNICATIONS:

Program: Broadcasting Technology, AV 1680

Fundamentals of Broadcasting--1681
1 credit; open to grades 9 -12. Prerequisite: None. This course introduces the student to the knowledge base and technical skills for all courses in the Broadcasting Technology Program of Study. Areas of study include fundamentals of broadcasting, broadcasting equipment, on-air presentation skills, and student organizations. Emphasis will be placed on career exploration, job seeking skills, and personal and professional ethics. Safety instruction is integrated into all activities. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course

concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that enhance student achievement, develop student leadership, and support experiential learning. Offered: 2, 3

Radio Broadcasting Presentations–1683
1 credit; open to grades 10 -12. Prerequisite: Fundamentals of Broadcasting. This course will provide students with the knowledge to perform, either in a live or mock setting, a radio broadcast. Areas of study include on-air news presentations, deejay presentations, radio production and management, and student organizations. Students will demonstrate knowledge and technical expertise in the preproduction and performance of a live 30-minute show. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Safety instruction is integrated into all activities. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that enhance student achievement, develop student leadership, and support experiential learning. Offered: 2, 3

Television Production Applications—1685
1 credit; open to grades 10 – 12. Prerequisite: Fundamentals of Broadcasting. This course will provide students with the knowledge to perform, either in a live or mock setting, or a television broadcast. Areas of study include writing television news, conducting interviews, preproduction, production, and student organizations. Students will demonstrate knowledge and technical expertise in the use of television production equipment and applications. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Safety instruction is integrated into all activities. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that. Offered: 2, 3

***Select one course from below:**

Producing Live TV—1689
1 credit; open to grades 10 – 12. Prerequisite: Fundamentals of Broadcasting and teacher approval. Part of the grade will be based on after school activities. Students will learn all aspects of live television production through hands-on application. This includes showing how to produce, direct, operate cameras, audio equipment and other technical aspects of products. On-air duties such as anchor, reporter, announcer will also be examined in this course. Students will gain knowledge of directing, newsroom, production and performance. Offered: 2, 3

Video Editing—1684

1 credit; open to grades 10 – 12. Prerequisite: Fundamentals of Broadcasting and teacher approval. Part of the grade will be based on after school activities. This course is an introduction to the techniques, equipment, and applications used in Video Editing. Areas of study include the production process, ingestion, non-linear editing, final package distribution, and student organizations. Students will demonstrate technical expertise in non-linear video editing techniques. Students will utilize problem-solving techniques and participate in laboratory activities to develop an understanding of course concepts, and teachers should provide each student with real world learning opportunities and instruction related to broadcasting occupations. Safety instruction is integrated into all activities. Students are encouraged to become active members of Skills USA for additional co-curricular opportunities that enhance student achievement, develop student leadership and support experiential learning. Offered: 2, 3

Program: Multimedia Publishing, AV 1684

Intro to Visual Communication – 1514
1 credit; open to grades 9 – 12. Prerequisite: None. This course introduces the student to the skills required for visual communication in the 21st Century. Students will use digital cameras and professional software tools to create publications for print and the web. Units of Study: Page Layout, Desktop Publishing, Digital Publishing.
Offered: 1, 2

Digital Photography – 1515
1 credit; open to grades 10-12. Prerequisite: None. This course explores the digital imaging process using industry-standard software, enabling students to enhance and refine their photographs. With a focus on photojournalism and advertising photography, students will explore the technical aspects of digital cameras, including DSLR and mirrorless models, and learn key functions such as shutter speed, aperture, ISO, and exposure settings. Through hands-on projects and creative assignments, students will apply principles of design and composition to capture compelling images. Offered: *

Videography –1516
1 credit; open to grades 10 – 12. Prerequisite: None. This course introduces the student to the skills required for multimedia production. Students will utilize digital camcorders as well as video editing, and sound recording software to create multimedia projects. Areas of study include video and sound editing, and motion graphics and effects. Units of Study: Videography Basics, Video Editing, Motion Graphics. Offered: 1, 2

Cross-Media Publishing – 1517
1 credit; open to grades 10 – 12. Prerequisite: None. This course introduces students to the emerging field of cross-media publishing. Students will explore the use of blogging, video sharing, and social media services as journalism and marketing tools. Students will research, write, and produce multimedia content to be disseminated across various platforms (print, video, and digital publishing). Units of Study: 21st Century Publishing, Marketing across Media, Content Marketing. Offered: *

Program: Social Journalism, AV 1690

FUNDAMENTALS OF MEDIA WRITING – 1518 (Formerly School Newspaper, 4066)
1 credit; open to grades 9 – 12. This course introduces the students to the fundamentals of storytelling for Media Publishing. Students will explore various methods of researching stories, identifying their audience, and writing for specific audiences. Students will also identify ethical and legal issues related to media production including freedom of press, censorship, ethical standards, and journalistic responsibilities. Offered: *

CROSS-MEDIA PUBLISHING – 1517 (Formerly School Yearbook, 4071)
1 credit; open to grades 9-12. This is a journalism class designed to produce the yearbook. Layout, design copywriting, and photography are included. Offered: *

AP ENGLISH LANGUAGE & COMPOSITION--4041
1 credit; open to grade 11. Prerequisite: English 10. This course is a preparation for advanced placement college entrance tests. It is a demanding course for the advanced student. This course may be used for English 11 credit. Offered: *

***Select one course from below:**

COLLEGE ENGLISH—4012
1 credit; open grade 12. This course is a dual credit course through BlueRidge CTC; however, it will be taught by a high school English teacher. Offering this course allows our students an opportunity to take their first year of college
English while still in the high school setting. Upon successful completion of the course, students will earn 6 college credits for BRCTC English 101/102 as well as a year of high school credit for English. Offered: *

AP ENGLISH LITERATURE & COMPOSITION--4042
1 credit; open to grade 12. Prerequisite: AP Language/Composition or English 11. This course is a preparation for advanced placement college entrance tests. It is a demanding course for the advanced student. This course may be used for English 12 credit. Offered: *

BUSINESS MANAGEMENT & ADMINISTRATION:

Program: Business Enterprise, BM 1965

BUSINESS COMPUTER APPLICATIONS I--1411
1 credit; open to grades 9-12. This area of study provides the learner with the opportunity to understand and apply integrated software to business applications (Microsoft Word and Power Point). Offered: 4

***Select three courses from below:**

BUSINESS LAW AND ETHICS--1417
1 credit; open to grades 10-12. This course focuses on the impact of law as it relates to business and individuals. Students examine criminal and civil law with a concentration on consumer, contract, property, and employment laws while assessing ethics as they relate to each. Offered: 4

BUSINESS AND MARKETING ESSENTIALS--1439
1 credit; open to grades 9-12. This course is designed to develop student understanding and skills in such areas as business law, communication skills, customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Students acquire knowledge of fundamental business activities and factors affecting business, develop verbal and written communication skills, use information literacy skills, utilize job-seeking strategies, and participate in career planning. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: 1, 4

OFFICE PROCEDURES--1449
1 credit; open to grades 10-12. This area of study is designed to aid students in becoming skillful in the operation of an office. Major instructional areas include personal development and employability skills, managing records, processing mail, communication duties, keeping financial records, applying computing accounting, and data skills, processing business correspondence, operating office equipment, using management skills, and completing office support activities. Offered: 3, 4

COLLEGE BUSINESS ECONOMICS—1504
1 credit, open to grades 11-12. This course is a dual credit course taught by a high school teacher. Offering this course allows our students an opportunity to take a business economics course while still in the high school setting. This course introduces students to the principles of economics as applied to business decision-making. Students will explore topics such as demand and supply analysis, production and cost theory, market structures, pricing strategies, and the role of government in business.

Through case studies and simulations, students will develop analytical skills to assess business opportunities and challenges in various economic environments. This foundational knowledge will prepare them for further study in business-related fields and equip them with essential skills for success in the business world. There are two separate offerings. Upon successful completion of either option, students will also earn a year of high school credit for Business Economics.

- Col Econ 201, through WVU, 3 college credits. Offered: 1
- Col Econ 205/206, through BlueRidge CTC, 6 college credits. Offered: 4

Program: Career & Work Skills Training (CWST), BM 0510

CAREER AND WORK SKILLS TRAINING I -0511
1 credit; open to seniors. This course is designed as the first course to develop student understanding and skills essential for job success. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Offered: *

CAREER AND WORK SKILLS TRAINING II – 0512
1 credit; open to seniors. This course is designed as the second course to develop student understanding and skills that are essential for work success. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Offered: *

CWST WORK EXPERIENCE I – 0513
1 credit: open to seniors. This course is designed as the first course to develop student understanding and skills using on-the-job training that contributes to the over-all instructional program. The instruction, through written agreement between school and employers, is a combination of study in school with employment in the appropriate field. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Offered: *

CWST WORK EXPERIENCE II – 0514
1 credit; open to seniors. This course is designed as the second course to develop student understanding and skills using on-the-job training that contributes to the over-all instructional program. The instruction, through written agreement between school and

employers, is a combination of study in school with employment in the appropriate field. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Offered: *

FINANCE:

Program: Finance, FI 1410

ACCOUNTING PRINCIPLES I --1401
1 credit; open to grades 10-12. A "C" average in a math course is suggested. This course is designed to develop student understanding and skills in such areas as the basic principles, concepts, and practices of the accounting cycle. Journalizing, posting, and analyzing of financial statements as well as banking and payroll procedures are included. The importance of ethics and confidentiality, as well as an introduction to careers and types of business ownership are incorporated. Offered: 2, 3

ACCOUNTING PRINCIPLES II--1403
1 credit; open to grades 11-12. Prerequisite: Accounting Principles. This course is designed to develop student understanding and skills in such areas as advanced accounting procedures and techniques utilizing both manual and computer-based accounting. There is a strong emphasis on problem solving, analysis, and financial decision-making. Students study the advanced principles, concepts, and practices of the accounting cycle and partnerships, corporations, cost accounting, inventory, and tax accounting. Offered: 2, 3

INTRO TO FINANCE – 1470
1 credit; open to 9 – 11. This course is designed to develop student understanding and skills essential to become a financially capable consumer. Emphasis is placed on Career Exploration of Finance Careers and skill development necessary for those careers. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real-world learning opportunities and instruction. The West Virginia Standards for Global 21 Learning include the following components: Global 21 Content, Literacy and Numeracy, Entrepreneurship, and Technology Standards. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools, and content standards and objectives. Offered: 2, 3

BUSINESS FINANCE – 1471
1 credit; open to grades 10 – 12. Topics include money and capital markets, financial management of working capital, capital budgeting and fixed asset management, cost of capital, and short-term and long-term financing by means of debt and equity capital. Offered: 2, 3

GOVERNMENT & PUBLIC ADMINISTRATION:

Program: JROTC, GO 1070

- Students can receive fulfillment PE credit after taking and passing both ROTC I and II (course will not be transcribed).
- Students who take and pass ROTC I, II, III and IV can earn a fulfillment elective Social Studies credit. However, if a student is required to take both US Studies and Contemporary Studies, instead of the AP or the US Comprehensive course, JROTC could be substituted in place of Contemporary Studies. It cannot replace Civics (the course is not transcribed).

JROTC I- Traditions, Wellness & Foundations of Citizenship--1065
1 credit, open to grades 9-12. Prerequisite: none. Air Force Junior ROTC is a course in aerospace and leadership education. The course of study includes an aviation history course focusing on the development of flight, leadership education instilling elements of good citizenship, basic drill, and wellness. 40% of student hours are devoted to aerospace science, 40% to leadership education, and 20% to wellness. Uniforms and textbooks are provided by the Air Force. Students do not incur any service obligations by taking Junior ROTC. JROTC provides cadets with many school and community service opportunities. Students are eligible for 4-year AFJROTC scholarships and additional rank if they enlist in any branch of the military services. Offered: *

JROTC II-Communication, Awareness & Leadership -1066-
JROTC III-Life Skills & Career Opportunities—1080
JROTC IV-Fundamentals of Leadership--1081
1 credit, open to grades 10-12. Prerequisite: AFJROTC I, II, or III. The curriculum includes aerospace science and leadership education. The course of study includes cultural studies, survival, drill, communications, life skills, management, and career opportunities in military services. Practicum in leadership experiences is mandatory for all students. 40% of student hours are devoted to aerospace science, 40% to leadership education, and 20% to wellness. All Work-Based Learning points can be earned through JROTC. Seniors completing their 4th year of JROTC can earn CTE completer credit. Students are eligible for 4-year AFJROTC scholarships and additional rank if they enlist in any branch of the military services. Offered: *

***Random drug testing will occur in courses III and IV.**

HEALTH SCIENCE:

Program: Sports Medicine, HE 0800

FOUNDATION OF SPORTS MEDICINE—0840
1 credit; open to grades 11-12. This course is designed to provide the student with knowledge on health care laws and ethics, medical terminology, basic anatomy, injury recognition, and infection control related to Sports Medicine. It is also designed to allow instructional content to focus on Sports medicine-related professions and teamwork. Offered: 2, 3

ADVANCED PRINCIPLES OF SPORTS MEDICINE—0841
1 credit; open to grade 12. Prerequisite: Foundation of Sports Medicine. This course is designed to provide the student with knowledge of sports trauma and injuries. The instructional content will focus on the psychological effects of sports injury, emergency planning and injury evaluation, and technical skills. Offered: 2, 3

Program: Therapeutic Services, HE 0723

Note: This program is referred to as MedEd in the high schools.

FOUNDATIONS OF HEALTH SCIENCE—0711
1 credit: open to grades 11-12. This course is designed to allow instructional content to focus on basic medical terminology, growth and development, nutrition, health maintenance practices and health care delivery systems. It is designed to provide the student with knowledge and technical skills required for infection control and the prevention of disease transmission, CPR and First Aid. Students are provided with opportunity to acquire certificate on in these areas. Offered: *

ADVANCED PRINCIPLES OF HEALTH SCIENCE—0715
1 credit: open to grades 11-12. Pre-requisite: Foundations of Health Science. Instructional content focuses on health care safety, environmental safety processes and procedures, ethical and legal responsibilities and mathematical computations. Medical terminology and the reinforcement, expansion and enhancement of biology content specific to diseases and disorders are an integral part of the course. Instruction incorporates project- and problem-based health care practices and procedures to demonstrate the importance of these skills. Students will develop basic technical skills required for all health care specialties including patient privacy, communication, teamwork and occupational safety and be provided with opportunities to obtain certifications in HIPPA/Data Privacy and health care safety. Offered: *

CLINICAL SPECIALTY 1—0789
1 credit: open to grade 12. This course is designed to allow the student to choose a

career work-based experience from the following specializations: Health Occupations, Certified Nursing Assistant, Certified ECG Technician, Certified Health Unit Coordinator, Certified Patient Care Technician, Certified Phlebotomy Technician, Community Emergency Response Team, Dental Aide, Dietary Aide, Direct Care Worker, Electronic Health Record Specialist, Environmental Services, Orientation to Practical Nursing, Laundry Aide, Physical Therapy Aide, Pre-Pharmacy Technician, Imagery Aide, Veterinary Science Aide. Students choose a health career specialty for in-depth study and must complete a minimum of 25-55 hours in an applicable clinical rotation. Instruction is guided by career-specific content skill sets that must be mastered before students are eligible to attain established credentials and/or industry validation. Students within this course develop employability skills and explore career pathways while applying healthcare information technology and technical skills. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the criticality of these skills. Due to healthcare industry standards, exemplary attendance is mandatory. Offered: *

CLINICAL SPECIALTY 2—0790
1 credit: open to grade 12. This course is designed to allow the student to choose a career work-based experience from the following specializations: Health Occupations, Certified Nursing Assistant, Certified ECG Technician, Certified Health Unit Coordinator, Certified Patient Care Technician, Certified Phlebotomy Technician, Community Emergency Response Team, Dental Aide, Dietary Aide, Direct Care Worker, Electronic Health Record Specialist, Environmental Services, Orientation to Practical Nursing, Laundry Aide, Physical Therapy Aide, Pre-Pharmacy Technician, Imagery Aide, Veterinary Science Aide.. Students choose a health career specialty for in-depth study and must complete a minimum of 25-55 hours in an applicable clinical rotation. Instruction is guided by career-specific content skill sets that must be mastered before students are eligible to attain established credentials and/or industry validation. Students within this course develop employability skills and explore career pathways while applying healthcare information technology and technical skills. Instruction will incorporate project and problem-based healthcare practices and procedures to demonstrate the criticality of these skills. Due to healthcare industry standards, exemplary attendance is mandatory. Offered: *

HOSPITALITY & TOURISM:

Program: Baking and Pastry, HO 1015

BAKING AND PASTRY FOUNDATIONS --1980
1 credit; open to grade 9-12. This course focuses on the basic preparation and service of safe food, basic introduction to industry safety standards, restaurant equipment, kitchen essentials, and communication concepts in the baking industry. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA or FCCLA. Offered: 1, 2, 3

BAKING AND PASTRY I—1024
1 credit, open to grades 9-12. Prerequisite: Baking and Pastry Foundations. This course will educate students on the basics of the industry. This course starts with teaching students about the various ingredients used for baking and pastry arts and how these ingredients react to each other to make products. It will also instruct students on various breads such as quick breads, artisan and yeast breads, and laminated doughs. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or SkillsUSA. Offered: 1, 2, 3

BAKING AND PASTRY II—1025
1 credit, open to grades 10-12. Prerequisite: Baking and Pastry Foundations and Baking and Pastry I. This course will instruct students on how to make cookies, pies, and cakes. It educates students about the various types of icings and frostings and introduces them to custards, sauces, and creams. This course also teaches students how to make ice cream and gives them some knowledge of how to adapt recipes to meet special dietary needs. Students utilize problem solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student organization, DECA, FCCLA, or Skills USA. Offered: 1, 2, 3

BAKING AND PASTRY ADVANCED – 1026
1 credit, open to 10-12. Prerequisite: Baking and Pastry Foundations, Baking and Pastry I and II. This course will educate students on how to make some of the more intricate products of the industry. It will introduce students to tortes and specialty cakes, petits fours, and plated desserts. This course also will give students some experience with chocolate and sugar work. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide each student with real world learning opportunities and instruction. Students are encouraged to become active members of the student

organization, DECA, FCCLA, or SkillsUSA. All West Virginia teachers are responsible for classroom instruction that integrates learning skills, technology tools and skill sets. Offered: 1, 2, 3

Program: ProStart Restaurant Management, HO1010

RESTAURANT AND CULINARY FOUNDATIONS -- 1013
1 credit; open to grade 9-12. This course focuses on the basic preparation and service of safe food, basic introduction to industry safety standards, basic introduction to restaurant equipment, kitchen essentials in knife skills, stocks and sauces, and communication concepts in the restaurant industry. Offered: 4

RESTAURANT MANAGEMENT ESSENTIALS -- 1014
1 credit; open to grade 9-12. Prerequisite: Restaurant and Culinary Foundations. This course is designed to focus management essentials in the restaurant industry, guest service, food production, and career exploration and pursuit. Students are encouraged to become active members of SkillsUSA, which is an integral component of the program and provides curricular opportunities that enhance student achievement. Teachers utilize relevant SkillsUSA activities to support experiential learning. Offered: 4

ADVANCED PRINCIPLES IN FOOD PRODUCTION -- 1019
1 credit; open to grade 9-12. Prerequisite: Restaurant Management Essentials. This course is designed to examine advanced food production, nutrition, and cost control. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: 4

RESTAURANT PROFESSIONAL -- 1020
1 credit; open to grade 9-12. Prerequisite: Advanced Principles in Food Production. This course is designed to provide content related global cuisine, sustainability, desserts and baked goods, and marketing. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: 4

Program: Tourism, HO 1220

INTRODUCTION TO HOSPITALITY AND TOURISM – 1211
1 credit; open to 9 – 12. This course is designed to provide necessary skills for successful employment in the hospitality industry. This course provides students with a comprehensive tour through the travel and tourism environment. Offered: *

TRAVEL WEST VIRGINIA – 7663
1 credit; open to 9 – 12. This course is designed to provide students with the awareness of the impact of tourism in WV and how tourism effects the WV economy. Offered: *

***Select two courses from below:**

ADVENTURE TOURISM – 0438
1 credit; open to 11-12 at HHS & 10 -12 at SMHS. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Teachers should provide students with authentic learning experiences, employability skills, and instruction through Simulated Workplace. Offered: 1, 3, 4

PARKS AND RECREATION PROGRAM MANAGEMENT – 1125
1 credit; open to 11 – 12. The Parks and Recreation Program Management course is designed to provide students with comprehensive knowledge and practical skills required for the effective planning, implementation, and management within the field of parks and recreation. Through a combination of theoretical frameworks, case studies, and hands-on projects, students will explore the intricacies of designing and overseeing programs that contribute to community well-being, environmental stewardship, and the overall enhancement of recreational spaces.
Offered: 1, 2, 3

TOURISM INTERNSHIP – 1210
1 credit; open to 11 – 12 at HHS & 10 – 12 at SMHS. The Tourism Internship Program provides students with a unique opportunity to gain practical experience and apply theoretical knowledge in a real-world tourism setting. Through immersive internships with reputable tourism organizations, participants will develop a comprehensive understanding of the industry, refine their professional skills, and build valuable connections within the tourism sector. Offered: 1, 2, 4

TOURISM LEADERSHIP—1240
1 credit: open to grades 11-12. The Tourism Leadership course is designed to equip students with the knowledge, skills, and attributes essential for effective leadership within the dynamic and multifaceted tourism industry. Participants will explore theories of leadership, analyze case studies, and engage in practical activities to develop the competencies required to lead tourism organizations, teams, and initiatives successfully. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: *

HUMAN SERVICES:

Program: Pre-Cosmetology, HU2311

- This program of study is aligned to meet the requirements set forth by the West Virginia State Board of Barbers and Cosmetologists.
- This program is taught at the Berkeley County School Cosmetology School.

BARBERING AND COSMETOLOGY FOUNDATIONS – 1737
1 credit, open to 11-12. Prerequisite: none. This course covers safety, sanitation, and business skills essential for success in the salon industry. Students will learn sterilization techniques, client accommodation, workplace safety, and business fundamentals like pay scales and client interactions. This is the foundational course that must be taken first in Pre-Cosmetology. Offered: *

COSMETOLOGY PROFESSIONAL 1– 1734
1 credit, open to grade 11. Prerequisite: Barbering and Cosmetology Foundations. This course covers hair design standards, including shampooing, conditioning, thermal techniques, and hair styling. Students learn to analyze hair and scalp conditions, select suitable products, and apply proper techniques. Proficiency in thermal techniques like blow-drying and flat ironing is emphasized, along with mastering diverse hair styling methods for creating original looks tailored to individual clients. This course includes a minimum of 115 hours of practical work. Offered: *

COSMETOLOGY PROFESSIONAL 2– 1735
1 credit, open to grade 11. Prerequisite: Cosmetology Professional 1. This course covers hair designing techniques including braiding, finger waving, and pin curls, alongside hair enhancement methods such as wig services and extensions. Students gain hands-on experience with diverse hair types, ensuring proficiency in execution while emphasizing safety protocols and client consultations. This course includes a minimum of 115 hours of practical work. Offered: *

COSMETOLOGY PROFESSIONAL ADVANCED– 1736
1 credit, open to grade 11. Prerequisite: Cosmetology Professional 2. This course covers the use of various hair cutting and texturizing tools, including scissors, clippers, and razors, to achieve basic and specialty haircuts. Students learn safe procedures, clipper techniques, and workstation cleanliness. This course includes a minimum of 120 hours of practical work. Offered: *

COSMETOLOGY CHEMICALS 1– 1730
1 credit, open to grade 12. Prerequisite: Cosmetology Professional 2. In this course, students will learn industry standards in hair coloring and lightening techniques. From identifying common hair coloring products to mastering corrective coloring methods,

students will gain proficiency in achieving desired color results. This course includes a minimum of 75 hours of practical work. Offered: *

COSMETOLOGY SCIENCE 1– 1738
1 credit, open to grade 12. Prerequisite: Cosmetology Chemicals 1. This course covers scientific concepts essential for hair and scalp care, including hair structure, melanin's role in color, and basic anatomy. Students also learn infection control, identifying pathogens and mastering sanitation techniques for salon tools. This course includes a minimum of 25 hours of practical work. Offered: *

COSMETOLOGY SCIENCE 2– 1740
1 credit, open to grade 12. Prerequisite: Cosmetology Science 1. This course offers a thorough exploration of Cosmetology Science, emphasizing the basics of chemistry and electricity relevant to the field. Students will analyze the chemical composition of hair care products, discuss essential chemistry terms, and understand chemical processes in common hair treatments. Additionally, the course covers electrical fundamentals, including identifying and using electrical tools safely, understanding conductivity and resistance, and implementing safety measures. This course includes a minimum of 25 hours of practical work. Offered: *

COSMETOLOGY CHEMICALS 2– 1750
1 credit, open to grade 12. Prerequisite: Cosmetology Science 2. This course covers chemical services, including hair relaxing, permanent waving, and restructuring techniques. Students learn to differentiate between these methods and apply principles and safety measures for each, including hydroxide, thio, and keratin treatments for relaxing and restructuring, as well as alkaline, acid, and non-thio methods for waving and texturizing. This course includes a minimum of 75 hours of practical work. Offered: *

NAIL TECHNOLOGY SCIENCE AND PROCEDURE– 1716
1 credit, open to grade 12. Prerequisite: Barbering and Cosmetology Foundations. This course offers a comprehensive overview of scientific concepts and physical services. Students will learn about the structure and functions of nails and skin, along with identification of common disorders. Students will gain practical skills in manicuring natural and artificial nails, emphasizing sanitation and precise application techniques. Students will explore electrical safety and explore modern electrotherapy methods. This course includes a minimum of 80 hours of practical work. Offered: *

ART OF NAIL TECHNOLOGY– 1717
1 credit, open to grade 12. Prerequisite: Nail Technology Science and Procedure. This course covers pedicuring techniques and advanced nail technology, including UV gel application, nail tips, wraps, and acrylic enhancements. Students will learn proper procedures, safety protocols, and creative nail art design. Offered: *

NAIL TECHNOLOGY CLINICAL EXPERIENCE– 1719
1 credit, open to grade 12. Prerequisite: Art of Nail Technology. This course offers hands-on training in nail care, including manicuring and artificial nail services, alongside

techniques for hand, arm, foot, and leg massages. Students learn to assess client needs, apply enhancements safely, and perform relaxing massages effectively. Practical skills cover wraps, tips, and paraffin wax treatments, ensuring proficiency while adhering to industry standards. This course includes a minimum of 115 hours of practical work. Offered: *

INFORMATION TECHNOLOGY:

Program: Information Management, IT 1450

TECHNICAL COMPUTER APPLICATIONS I – 1700
1 credit; open to 9-11. This course introduces the students to a variety of applications for workplace productivity Students will learn to use email/calendar manager software, presentation software, word processing, and spreadsheets. Offered: *

TECHNICAL COMPUTER APPLICATIONS II – 1709
1 credit; open to grades 10-12. This course introduces the students to a variety of applications for workplace productivity Areas of study include individual applications including word processing, spreadsheet, database management, presentations, and personal information management. Students will demonstrate knowledge and technical expertise in the efficient use of software and application integration. Offered: *

DESKTOP PUBLISHING--1429
1 credit; open to grades 10-12. This course is designed to develop student understanding and skills in such areas as journalistic principles in design and layout of print and Web publications including integration of text and graphics and use of sophisticated hardware and software to develop and create quality materials for business-related tasks. Students will analyze the information and the audience and combine appropriate text, graphics, and design to communicate the desired message effectively. Planning and design principles are used to analyze and organize information, set up a design structure, and to select or create appropriate visuals. Instructional strategies may include computer/technology applications, teacher demonstrations, collaborative instruction, interdisciplinary and/or culminating projects, problem-solving and critical thinking activities, simulations, and project-based learning activities. Offered: *

DIGITAL IMAGING/MULTIMEDIA I--1431
1 credit; open to grades 9-12. This course is designed to develop student knowledge and skills in such areas as producing images, operating a digital camera, using imaging software, using drawing software, creating simple animations, and manipulating video images. **The course is a fulfillment for 1 art credit (not transcribed).** Offered: *

MANUFACTURING:

Program: Aviation Maintenance Technician, MA1601

- This program is taught at the Martinsburg Regional Airport.

AVIATION FUNDAMENTALS 1 -- 2012
1 credit; open to grade 11. Prerequisite: none. This course introduces students to the systems, tools, and safety practices used in aircraft maintenance and aviation technology. Students explore electrical principles, aircraft materials, fluid systems, weight and balance, technical documentation, and foundational physics and mathematics used in aviation. Through hands-on activities and system investigations, students build the knowledge and skills needed to understand how aircraft are designed, maintained, and safely operated, providing a foundation for further study in aviation maintenance and related technical fields. Offered: *

AVIATION FUNDAMENTALS 2 -- 2013
1 credit; open to grade 11. Prerequisite: Aviation Fundamentals 1. This course expands student understanding of aviation systems and maintenance concepts, with emphasis on system operation, troubleshooting principles, and advanced applications of electrical, material, fluid, and mechanical systems. Students examine how aircraft systems interact and how maintenance decisions affect safety and performance. Offered: *

AIRFRAME SYSTEMS 1 -- 2014
1 credit; open to grade 12. Prerequisite: Aviation Fundamentals 2. This course introduces students to the structural and mechanical systems that make up an aircraft. Students examine metallic and non-metallic structures, flight control systems, landing gear, and basic inspection practices. Emphasis is placed on understanding system function, structural integrity, and how inspection and maintenance decisions support aircraft safety and performance. Learning experiences include system analysis, visual inspection activities, and hands-on investigations using models, tools, and technical documentation. Offered: *

AIRFRAME SYSTEMS 2 -- 2015
1 credit; open to grade 12. Prerequisite: Airframe Systems 1. This course expands students understanding of aircraft structural and system integration. Students examine fuel systems, electrical systems, environmental control systems, ice and rain protection, and advanced inspection concepts. Emphasis is placed on how multiple systems interact and how systems failure affect aircraft safety and performance. Students apply system analysis and troubleshooting logic through simulation, models, and applied projects. Offered: *

Program: Industrial Equipment Maintenance, MA1870

- This program is taught at BlueRidge Community and Technical College.

FUNDAMENTALS OF INDUSTRIAL EQUIPMENT MAINTENANCE --1873
1 credit; open to grade 11. Prerequisite: none. This course is a dual credit course taught through BlueRidge CTC. This course provides students with essential knowledge and technical skills for entry-level proficiency in Industrial Maintenance. The course covers a range of areas including workplace safety, measurement and calculation, tools, fasteners, lubrication and bearings, mechanical and belt drives, and mechanical alignment and vibration. Emphasis is not only on technical competence but also on career exploration, job-seeking skills, and the development of personal and professional ethics. Safety instruction is seamlessly integrated into all activities, ensuring a comprehensive and save learning experience. Offered: *

HYDRAULIC AND PNEUMATIC SYSTEMS – 1875
1 credit; open to grade 11. Prerequisite: Fundamentals of Industrial Equipment Maintenance. This course is a dual credit course taught through BlueRidge CTC. In this course, students explore hydraulic principles and their practical application, along with pneumatic principles and their real-world usage. This comprehensive course emphasizes not only technical proficiency but also encourages career exploration, cultivating job-seeking skills, and instills principles of personal and professional ethics. Integrated safety instruction ensures a secure learning environment throughout all activities. Offered: *

FUNDAMENTALS OF WELDING TECHNOLOGY --1985
1 credit; open to grade 12. Prerequisite: Hydraulic and Pneumatic Systems. This course is a dual credit course taught through BlueRidge CTC. This course serves as the gateway to essential knowledge and technical skills in welding. Students explore diverse areas, including career opportunities within welding, welding terms and processes, oxyfuel cutting, and lab and equipment safety. Emphasizing a comprehensive understanding, the course integrates safety instructions seamlessly into all activities, ensuring a secure and foundational learning experience for future courses in Welding Technology. Offered: *

ELECTRICAL MAINTENANCE --1871
1 credit; open to grade 12. Prerequisite: Fundamentals of Welding Technology. This course is a dual credit course taught through BlueRidge CTC. This course explores fundamental knowledge and technical skills essential for entry-level proficiency. This course encompasses key areas, including basic electrical theory and calculations, utilization of electrical tools, instruments, and safety measures, understanding electrical symbols and diagrams, industrial power and control circuits, electrical equipment and devices, and an introduction to programmable logic controllers (PLCs) within industrial settings. Students gain comprehensive insights and practical skills necessary for success in industrial electrical maintenance. Offered: *

Program: Millwork and Cabinetmaking, MA 2120

MILLWORK & CABINETMAKING I--2126
1 credit; open to grades 9-12. Prerequisite: none. This course introduces the student to the knowledge base and technical skills of the Millwork and Cabinetmaking industry. It begins with the NCCER Core Curriculum which is the prerequisite to all Level 1 completions. The students will complete modules in Basic Safety; Introduction to Construction Math; Introduction to Hand Tools; Introduction to Power tools; Introduction to Construction Drawings; Basic Rigging; Basic Communication Skills; Basic Employability Skills; and Introduction to Materials Handling. Students will begin developing skill sets in the fundamentals of Millwork and Cabinetmaking such as Introduction to the Trade; and Woods and Materials used in Cabinet Construction. **Course is a fulfillment for 1 art credit (not transcribed.)** Offered: 2, 4

MILLWORK & CABINETMAKING II--2127
1 credit; open to 10-12. Prerequisite: Millwork and Cabinetmaking I. Millwork and Cabinetmaking II will continue to build student skill sets in areas such as Shop Tools Used in Cabinetmaking; Joints; Assembling the Cabinet; and Sanding & Finishing. Offered: 2, 4

MILLWORK & CABINETMAKING III--2128
1 credit. Prerequisite: permission of teacher. Millwork and Cabinetmaking III will continue to build student skill sets in areas of Applying Plastic Laminate to a Countertop; Cabinet Doors; and Cabinet Drawers. Offered: 2, 4

MILLWORK & CABINETMAKING IV--2129
1 credit. Prerequisite: permission of teacher. Millwork and Cabinetmaking IV will continue to build student skill sets in areas of Cabinet Doors and Drawer Hardware; Cabinet Shelves and Shelf Hardware; and Mass Production Cabinetmaking. Offered: 2, 4

MARKETING:

Program: Marketing Management, MK 0420

MARKETING PRINCIPLES--0422
1 credit. This course is designed to develop student understanding and skills in such areas as channel management, marketing-information management, market planning, pricing, product/service management, promotion, and selling. Through the use of three projects, students acquire an understanding and appreciation of marketing activities. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: *

MARKETING APPLICATIONS--0425
1 credit. Teacher permission. Prerequisite: Marketing Principles. This course is designed to develop student understanding and skills in such areas as the various marketing functions. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed throughout the course. Current technology will be used to acquire information and to complete the projects. Students utilize problem-solving techniques and participate in hands-on activities to develop an understanding of course concepts. Offered: *

CROSS-MEDIA MARKETING – 0426
1 credit; open to grades 10-12. This course is designed to develop students understanding of advertising, promotion, marketing; communications; technology in retail merchandising; customer service and sales; digital marketing; digital media communication and marketing strategies. Offered: *

MARKETING WORK EXPERIENCE/INTERNSHIP--0428
1-2 credits - work experience – However, if this course is taken as a program course within the Marketing CTE Cluster, only one credit will count toward becoming a CTE Completer. This class must be taken in conjunction with Marketing Principles II or with teacher permission. Offered: *

ADDITIONAL COURSES

ADVANCED COMMUNICATION--4021
1 credit; open to grades 10-12. Students will participate in group and individual speaking activities, oral interpretation, debate, and listening techniques. Offered: 1, 2, 3

AFRICANA STUDIES – 7535
.5 credits; open to 10 – 12. Prerequisite: None. This course initiates students into the interdisciplinary study of the African experience on the continent, across diaspora, and in the United States. The course is designed to integrate the student with knowledge of the accomplishments, influences, and history of Africans and African Americans. It provides students with opportunities to engage with the social, economic, cultural, historical and political realities of the African and African American experience. The course will place great emphasis on the teaching of ancient African History and its' connections to the modern-day African American experience, while also contributing to the uplifting, understanding, and respecting of this rich cultural heritage and history. This introductory course provides the student with concise, but substantive, intellectual foundation for critical thinking and understanding of Africana Studies and the various focuses that have impacted the world and nationally. There are 7 major curriculum focus areas in the teaching of African American History, namely: 1.) Ancient Africa: Pre-Columbus; 2.) African Explorations of the World: Pre-Columbus; 3.) Invasions and weakening of Africa: European Colonialism; 4.) Slavery in the Americans: Post Columbus; 5.) Neo-slavery: abolition, Civil Rights and Constitutional Rights; 6.) the soul of African Americans; and 7.) Contributions of African Americans to the Untied States of America with an emphasis on West Virginia and the world. Offered: *

AFJROTC Junior Course— (1064)
½ credit. Prerequisite: 1 year AFJROTC. This summer Junior course is for cadets attending CLC for the first time. Total supervised (academic) time from Sunday to Saturday is 95 hours. Course content includes instruction on: leadership, management, personal standards, character education/ethics, education and careers, Air Force customs and courtesies, physical training, athletic competition, drill and ceremonies, orienteering, and survival skills. Course content may vary slightly from year to year, but will maintain AFJROTC standards. Offered: *

AFJROTC Senior Course— (0520)
½ credit. Prerequisite: 2 years AFJROTC. This summer course is for cadets returning to CLC in a leadership position. Cadets enrolled attend more in-depth classes and assist instructors with operating the school. Total supervised (academic) time from Sunday to Saturday is 101 hours. The course begins with a 6-hour training session in preparation for the leadership role cadet will assume. Course content includes instruction on: leadership, management, personal standards, character education/ethics, education and careers, Air Force customs and courtesies, physical training, athletic competition, drill and ceremonies, orienteering, and survival skills. Course content may vary slightly from year to year but will maintain AFJROTC standards. Offered: *

AGRICULTURAL EXPERIENCE PROGRAM 2 (SAE)--0234
½ credit; open to grades 10-12. Pre-requisite: Agricultural Experience Program, 0134. Students enrolled in agricultural education courses have the unique opportunity for experiential and contextual learning on a grand scale. Students may select and participate in appropriate agricultural enterprises which provide opportunity to acquire skills, earn money, and develop responsibility while also earning high school credit. Must be enrolled in another approved class by instructor. **In order to become a completer, students will need 2 semester credits of SAE for a full credit.** Offered: *

AGRICULTURE COOPERATIVE EDUCATION--0133
1-2 credits; open to grade 12. This course is designed for seniors in agricultural education classes. Students must be in their third or fourth year with satisfactory grades. Students will be placed in an agricultural occupation and will receive wages, credits towards graduation, and receive school release time up to a maximum of three hours per day. Students who wish to enroll will need approval from program coordinator and an attendance contract will Education be required. The contract will be signed by the student, parent/guardian, administrator and program coordinator. The course will give students experience in a potential agricultural career. Offered: *

AP COMPUTER SCIENCE PRINCIPLES--2806
1 credit; Prerequisite: None. This course introduces students to the foundational concepts of computer science and explores the impact computing and technology has on our society. It covers the big ideas and computational thinking practices required in the AP Computer Science Principles curriculum framework using an easy to learn blocks-based programming language called Snap! (based on Scratch), and powerful computer science ideas like recursion, higher order functions and computability. Through the course, students learn to create beautiful images, and realize that code itself can be beautiful. This is NOT just a programming course; students will and many other CS Principles big ideas: creativity, abstraction, data and information, algorithms, the Internet, and global impact. When discussing the social implications of computing, the course balances optimism about technology with a critical stance toward any particular technology. Offered: 1, 2, 4

AP PSYCHOLOGY--7047
1 credit; open to grades 11-12. Prerequisite: student must have approval of teacher and has acceptable standardized test scores. This is a college level introduction to psychology. Students study the biological components of behavior, human development, learning intelligence, personality, abnormal behavior, therapeutic intervention, and social psychology. Offered: *

AP RESEARCH-4046
1 credit; open to grades 11-12. Prerequisite: AP Seminar. Students develop the skills and discipline to conduct independent research to produce and defend a scholarly academic thesis. This second course in the AP Capstone experience allows students to explore deeply and academic topic, problem, or issue of individual interest and through this inquiry, students design, plan, and conduct a year-long mentored, research-based

investigation. The course culminates in an academic thesis paper of approximately 5,000 words, and a presentation, performance, or exhibition with an oral defense. Offered: 2, 3

ATHLETIC LEADERSHIP (formerly Sports Management)— 7713
1 credit; open to grades 11-12. Prerequisite: Physical Education 10 and 1 year of varsity sports experience. This course is recommended for students who have a desire to pursue an athletic related program in college. It is also helpful for students who may one day coach or officiate in youth league programs. Practical lab work is a strong part of this class. Offered: 2, 3

CIVIL WAR (Will not count as a Social Studies course to graduate. This is an elective credit only.)— (7237)
½ credit; open to grades 11-12. This course is an in-depth study of the events, people, and places of the Civil War era. May require field trips. Offered: 1, 2

COLLEGE 101— 7677
½ credit. This class is designed to prepare college-bound juniors and seniors for college admission testing practices by practicing vocabulary, analogies, reading, comprehension and verbal skills. Offered: *

COMMUNITY SERVICE--7631
1 credit; open to grades 9-12. Community service objectives extend the students' perspective and activities beyond the traditional academic courses. These voluntary programs provide community assistance in the non-paid service to others. These programs can take place for approval to receive credit from this course. Students may apply through the SAT. 60 verified volunteer hours equals a half credit. Maximum of one full credit per year is allowed. Offered: *

CREATIVE WRITING, I--4022
1 credit; open to grades 9-12. This course is designed for the student who wishes to expand on writing skills. Formal and informal writing will be addressed. Descriptive, short story, poetry, and play writing will be covered. Offered: 2, 4

CREATIVE WRITING II--4023
1 credit; open to grades 10-12. Prerequisite: Creative Writing I. This course is designed for the student who wishes to further expand writing skills. The focus will be concentrated on advanced forms of writing, both formal and informal, rather than instruction of basic writing skills. Offered: 2

CULTURAL ENRICHMENT -- 7691
1 credit; open to grades 10-12. This course is designed to increase multicultural awareness and understanding by familiarizing students with the concept of culture and how ethnic, religious, and geographic factors have created cultural diversity. The course provides a basic overview of cultures in the U.S. today that include African American, Hispanic American, Native American, Asian American and European

American. Offered: 1, 2, 3

DRIVER EDUCATION--6811
½ credit; open to grades 9-12. Prerequisite: must be 15 years of age or older. This course is given to teach safe driving. Grade - 75% driving rules, and 25% lab and textbook. Students must pass both phases to receive credit. If students are unable to enroll during their 10th grade year as is recommended, it may be possible to take the course during summer school. Offered: *

ECONOMICS--7032
1 credit; open to grades 10-12. This course emphasizes the need to make sense of the array of economic facts, events, observations, and issues in everyday life and the ability to make effective decisions about economic issues. Offered: 1, 2, 3

ENGLISH AS A SECOND LANGUAGE—4115, ESL II – 4116, ESL III – 4117, ESL IV - 4118
1 credit; open to grades 9-12, where appropriate. English as the second language is a holistic approach to the acquisition of the English language by the student struggling with limited proficiency. ESL addresses the four strengths which contribute to language mastery: the ability of a student to speak, read, write, and comprehend English with fluency and proficiency. Great emphasis is placed on English grammar at all levels of student ability. Offered: *

FOUNDATIONS OF DIGITAL SCIENCE-2802
1 credit; open to grades 9-12. This course introduces students to the fundamentals of computer science, artificial intelligence (AI), networking, cybersecurity, and digital citizenship. Students develop computational thinking and problem-solving skills through hands-on activities while exploring the impact of technology on society and learning to use emerging technologies responsibly. Career pathways in computing, networking, cybersecurity, and AI are also examined. Offered: *

GEOGRAPHY--7033
1 credit; open to grades 10-12. Prerequisite: none. Geography education is essential for students to understand the values and roles of groups and individuals in a “Global Village” where economics, cultures, and environmental concerns are inextricably connected. This course enables students to view the world from their perspective as United States citizens. The study of geography contributes to the development of workplace skills and career choices. Offered: 1, 2, 3

INDEPENDENT STUDY
English-4122, Visual Art-3361, Dance-3421, Fine Arts-3511, Music-3751, Theatre-3875
The purpose of Independent Study is to allow **juniors** and **seniors** to explore areas of interest beyond the established curriculum on a one-year basis. The junior/senior student must obtain the approval of a faculty sponsor. The student must have an acceptable admission grade point average, a portfolio of their work in the program, and a journal/time-log of their studies/activities related to the study. The student must make

an oral presentation to the committee four times during the school year and have principal approval. Offered: *

LEADERSHIP—7651
1 credit; open to grades 11-12. Prerequisite: teacher approval. An application must be completed for enrollment. The student must be a member of a student organization. A 3.0 grade point average or better in all classes is recommended. Offered: *

LEARNING SKILLS--7653
Students who score below mastery in total math, total reading or total language on the achievement tests in their eighth, ninth, tenth or eleventh grade years are encouraged to attend a Learning Skills class provided during school, summer school or after school. Students who meet course requirements receive ½ elective credit. Offered: *

LIBRARY PRACTICE--5911
1 credit; open to grades 9-12. This course is designed for the student who has an interest in libraries and reading, good school citizenship, an attitude of helpfulness and has mastered basic reference skills. The class gives the student an opportunity to develop personal skills in using all types of library tools, to render service to the school community, to explore library service as a vocation and develop abilities related to library services. Offered: *

LIFE 0929--(LEARNING FOR INDEPENDENCE, FAMILY, & EMPLOYMENT)
1 credit; open to grades 9-10. Prerequisite: none. This class will focus on the development of skills which will enable students to assume their role in society as productive, successful individuals. Offered: 2, 3, 4

LIFETIME FITNESS AND EDUCATION— 6733
1 credit. Open to grades 11-12. No prerequisite. Students of low to middle-athletic ability will understand the importance of maintaining a life-long healthy lifestyle and learn how to incorporate fitness activities while maintaining an everyday work schedule. They will learn to develop a personalized fitness plan that meets an individual's specific needs and provides the opportunity for enjoyment, challenge, self-expression, and social interaction. They shall participate in fitness activities that promote and improve individual health. They will apply concepts and principles to human movement to the development of motor skills needed to perform various fitness activities, Offered: 1, 2

MEDIEVAL & RENAISSANCE HISTORY (Will not count as a Social Studies course to graduate. This is an elective credit only.) - (7243)
½ credit; open to grades 11-12. Prerequisite: World History. This course will explore the turbulent time of the Middle Ages in Europe to the Renaissance of arts and ideas, culminating in the discovery of the New World and the birth of humanistic thought. Famous people and events will be studied, as well as scientific, technological, artistic, and literary developments. Offered: 1

MICROBIOLOGY (Will not count as a science course to graduate. This is an

elective credit only course.) --7725
1 credit. Prerequisite: Biology or Chemistry. This course considers the nature and importance of microorganisms, including bacteria, fungi, viruses, and protozoa. Additional studies include the examination of the microscopic components of animal and plant tissues. Activities include the studies of their morphological, physiological, and cultural characteristics along with staining techniques, leading to their identification. Special attention is given to pathogenic forms and continued basic aspects of microbiology in relation to man and his environment. The role of these microorganisms in health and medicine is also addressed. Offered: 2

MYTHOLOGY 1--4138
1 credit; open to grades 10-12. Prerequisite: none. This course is an overview of world mythology centering on Greek and Roman as well as American Indian, Egyptian, Oriental, and African. Main topics include the "Aeneid," creation, the god teacher, and flood myths. Offered: *

PARENTING AND STRONG FAMILIES--0903
½ credit; open to grades 10-12. Prerequisite: None. This course is designed to help students evaluate readiness for parenting while examining appropriate Parenting and Strong Families practices. Students will develop an awareness of societal issues affecting families and explore support systems. Students will use reasoning processes, individually and collaboratively to take responsible action in families, workplaces, and communities. Offered: *

PHOTOGRAPHY--3343 (Semester)
½ credit; open to grades 10-12. Limit to 15 students. Requirement: students enrolled must have access to a 35 mm camera and a digital camera. A small supply of cameras may be available for loan. Students will earn an art credit while learning the elements of art and principles of design through photography. Students will learn camera function and technique through film, darkroom, and/or digital, Photoshop instruction. Students can enroll in a semester course or a full year course when available. Offered: 1

PSYCHOLOGY—7321
1 credit; open to grades 11-12. Prerequisite: none. The study of man's behavior motivation, intelligence, and personality. Offered: 1, 2, 3

SCIENCE LAB ASSISTANT (Will not count as a science course to graduate. This is an elective credit only course.) – (7631)
½ credit. Prerequisite: Earth and Space Science & teacher recommendation. The science laboratory assistant is directly supervised by the sponsoring teacher. The lab assistant prepares equipment and materials for student labs, assists in lab instruction, and reviews student lab results as directed by the teacher. The lab assistant must be competent handling chemicals, laboratory equipment, specimens and any other related materials or equipment in the course he/she chooses to assist. Offered: 1, 2, 4

SHAKESPEARE--7735

1 credit. Prerequisite: English 9 and 10. This course is a year-long study of the works, life, and times of William Shakespeare with the focus of the course being on Shakespeare and performance. Students will read, view, and participate in several of Shakespeare's plays and read a number of his sonnets. Poetry analysis will also be an integral part of the course. Students may attend live productions and participate in Shakespearean Workshops. Offered: 2

SOCIOLOGY--7341
1 credit; open to grades 10-12. This course is concerned with how people behave in groups and how group interaction shapes behavior. Offered: 1, 2, 3

***COLLEGE SUSTAINABILITY STUDIES – 2469**
1 credit; open to 11-12. This course is a dual credit course through WVU; however, it will be taught by a high school science teacher. Offering this course allows our students an opportunity to take their first year of college Chemistry while still in the high school setting. Upon successful completion of the course, students will earn 6 college credits for WVU SUST 102 and 202 as well as a year of high school credit for Environmental Sustainability. Offered: *

TEAM SPORTS—6757, TEAM SPORTS 2 - 6758
1 credit; open to grades 10-12. Sports may include flag football, soccer, speedball, team handball, volleyball, basketball, floor hockey, gatorball, whiffle ball, pilo polo, speed-a-way, all American ball, Frisbee football, cricket, and softball. Goals are to include physical fitness through study of personal healthy habits, experience tournaments and the importance of teamwork and sportsmanship. Offered: *

WEIGHT TRAINING INTRODUCTION—6765, WEIGHT TRAINING – 6766, WEIGHT TRAINIG INTERMEDIATE – 6767, WEIGHT TRAINING ADVANCED - 6768
1 credit; open to grades 10-12. Prerequisite: none. A course designed to promote total body fitness. Included are neuromuscular and cardiovascular efficiency, muscular strength and flexibility through the teaching of plyometrics and running form. Drills and skills tests will be used. Offered: *

WORLD RELIGIONS (formerly History of the Bible)— 7013
1 credit; This course utilizes the Bible as a primary resource to examine the history of the Hebrew nation and roots of the Christian movement. The course uses the history, geography, literature and language that are contained within the Bible to help students understand these movements. The influence of the two historical segments, and the Bible itself, is then evaluated within several contexts: world history, world politics, foundations of American government and law, American history, American community life and culture. This exploration is done without imposing the doctrine of any particular religious sect. Offered: 2, 3

YOUNG ADULT FICTION I— (4136)
1 credit; open to grades 9-12. This course is designed for the student who enjoys reading. Books are chosen which are written specifically by or for the teenage reader.

Interest/theme will vary. Offered: 3

YOUNG ADULT FICTION II- (4150)
1 credit; open to grades 10-12. Prerequisite: Young Adult Fiction I. This course is designed for students who can work independently with freedom of selection of reading material within the teacher's book selections. Offered: 3

ZOOLOGY-6270 (Will not count as a science course to graduate. This is an elective credit only course.)
1 credit; open to grades 10-12. This course is a study of the structural and functional characteristics of animals with an in-depth examination of the habitat, identification classification, and dissection of representative animals. Invertebrates are covered first semester, and vertebrates are covered second semester. Students may take either semester for 1/2 credit or both semesters for 1 credit. Offered: *

ALTERNATE STANDARDS COURSES

These Alternate Standards courses are designated for students with the most significant cognitive disabilities who are following the alternate path to graduation determined by their IEP Team. They are credit-bearing courses required for graduation, providing instruction utilizing Alternate Academic Achievement Standards to meet the same graduation credit requirements as their peers pursuing a regular diploma.

ENGLISH LANGUAGE ARTS

ALTERNATE STANDARDS COURSES

7925 ELA 9 ALT STNDS (English Language Arts 9 - Alternate Standards)
1 credit; This is an Alternate Diploma Course structured to meet the English 9 graduation credit requirement. Students receive instruction based on Alternate Academic Achievement Standards, focusing on foundational skills within the English Language Arts content area. Offered: *

7926 ELA 10 ALT STNDS (English Language Arts 10 - Alternate Standards)
1 credit; This is an Alternate Diploma Course structured to fulfill the English 10 graduation credit requirement through instruction utilizing the Alternate Academic Achievement Standards. It is part of the sequence of required high school coursework in the English Language and Literature content area. Offered*

7927 ELA 11 ALT STNDS (English Language Arts 11 - Alternate Standards)
1 credit; This Alternate Diploma Course addresses the English 11 graduation credit requirement. It focuses on developing essential knowledge and skills in the English Language Arts content area by applying Alternate Academic Achievement Standards. Offered*

7928 ELA 12 ALT STNDS (English Language Arts 12 - Alternate Standards)
1 credit; Designed for students completing their alternate diploma path, this course satisfies the English 12 graduation credit requirement. It applies Alternate Academic Achievement Standards to the competencies covered in a senior-level English course. Offered*

MATHEMATICS

ALTERNATE STANDARDS COURSES

7932 ALG 1 ALT STR (Algebra I - Alternate Standards)
1 credit; This Alternate Diploma Course is an option for meeting the essential Algebra I graduation credit requirement. It implements Alternate Academic Achievement Standards focusing on content derived from Algebra I. Offered*

7933 GEO ALT STR (Geometry - Alternate Standards)
1 credit; This Alternate Diploma Course satisfies the Geometry graduation credit requirement. The instruction is delivered through Alternate Academic Achievement Standards focusing on geometric concepts within the Mathematics curriculum. Offered*

7934 ALG 2 ALT STR (Algebra II - Alternate Standards)
1 credit; This class fulfills the Algebra II graduation credit requirement for students pursuing an alternate diploma. It utilizes Alternate Academic Achievement Standards for instruction in advanced algebraic concepts. Offered*

7935 TRNS MATH SR ALT STR (Transition Math for Seniors – Alternate Standards)
1 credit; This class fulfills the senior fourth math graduation credit requirement for students pursuing an alternate diploma. It utilizes Alternate Academic Achievement Standards for instruction in advanced algebraic concepts. Offered*

SCIENCE

ALTERNATE STANDARDS COURSES

7936 EARTH SP SCI ALT (Earth Space Science - Alternate Standards)
1 credit; This Alternate Diploma Course is required to meet the Earth and Space science graduation credit, focusing on Earth and Space Science content. Instruction is provided using Alternate Academic Achievement Standards aligned with the Science curriculum. Offered*

7937 BIO ALT STR (Biology - Alternate Standards)
1 credit; This course fulfills the Biology graduation credit requirement, focusing on Biology content. As an Alternate Diploma Course, it uses Alternate Academic Achievement Standards aligned with the Life and Physical Sciences content area. Offered*

7938 PHY SCI ALT STR (Physical Science - Alternate Standards)
1 credit; Intended to satisfy the third science graduation credit requirement, this class focuses on the principles of Physical Science. Instruction is delivered via Alternate Academic Achievement Standards within the Science content area. Offered*

SOCIAL STUDIES

ALTERNATE STANDARDS COURSES

7939 WLD STU ALT STR (World Studies - Alternate Standards)
1 credit; This Alternate Diploma Course addresses the World Studies social studies graduation requirement using Alternate Academic Achievement Standards. The course content aligns with World Studies topics within the Social Sciences and History curriculum. Offered*

7940 US STU ALT STR (US Studies - Alternate Standards)
1 credit; This class is designated to meet the US Studies social studies graduation requirement focusing on United States (US) Studies content. Instruction is based on the Alternate Academic Achievement Standards aligned with the Social Studies content area. Offered*

7942 CON STU ALT STR (Contemporary Studies - Alternate Standards)
1 credit; This course is structured as an Alternate Diploma Course to fulfill the Contemporary Studies social studies graduation credit requirement. It uses Alternate Academic Achievement Standards to cover topics typically found in Contemporary Studies. Offered*

7943 CIV ALT STR (Civics - Alternate Standards)
1 credit; This Alternate Diploma Course satisfies the Civics social studies graduation requirement. Students receive instruction in this course based on Alternate Academic Achievement Standards aligned with Civics content. Offered*

PHYSICAL EDUCATION

ALTERNATE STANDARDS COURSES

7944 HS HEALTH ALT ST (High School Health - Alternate Standards)
1 credit; This course meets the prescribed Health graduation credit requirement. Students receive credit for this course through instruction based on Alternate Academic Achievement Standards within the Physical, Health, and Safety Education content area. Offered*

7945 HS PE ALT STNDS (High School Physical Ed - Alternate Standards)
1 credit; This Alternate Diploma Course meets the prescribed Physical Education graduation credit requirement. Instruction is based on the Alternate Academic Achievement Standards and covers content from the Physical, Health, and Safety

Education content area. Offered*

FINE ARTS

ALTERNATE STANDARDS COURSES

7946 ART ALT STR (Art Alternate Standards)
1 credit; This Alternate Diploma Course applies to Alternate Academic Achievement Standards to fulfill the required Arts graduation credit. The content area is Visual and Performing Arts, specifically focusing on visual arts instruction. Offered*

7947 MUS ALT STR (Music Alternate Standards)
1 credit; As an Alternate Diploma Course this class allows students to earn their required Arts graduation credit. Instruction is based on the Alternate Academic Achievement Standards as applied to the Music content area. Offered*

PERSONAL FINANCE

ALTERNATE STANDARDS COURSES

1452 PERSONAL FINANCE ALTERNATE STANDARDS
1 credit; This Alternate Diploma Course applies to Alternate Academic Achievement Standards to fulfill the required Personal Finance graduation credit. This course provides instruction in essential money management and financial literacy skills. Students learn to make informed financial decisions related to earning, saving, spending, banking, budgeting, and consumer responsibility to support independent living and postsecondary success. Offered*

ADDITIONAL COURSES

ALTERNATE STANDARDS COURSES

7557 LRN STRATS I (Learning Strategies I)
1 credit; This is a locally approved elective course designated for students pursuing an alternate diploma. The course focuses on instruction related to learning strategies (LRN STRATS I), utilizing standards that must be county-created and locally approved. Offered*

7558 LRN STRATS II (Learning Strategies II)
1 credit; This locally defined course continues instruction in learning strategies. As a local elective, it is available for students on the alternate diploma path and requires county-created and locally approved standards. Offered*

7559 LRN STRATS III (Learning Strategies III)
1 credit; As a progressive elective course this class covers advanced topics in learning

strategies. It falls under the category of local instructional courses, requiring its standards to be county created and locally approved. Offered*

7560 LRN STRATS IV (Learning Strategies IV)
1 credit; This elective is the fourth level of instruction dedicated to learning strategies for students pursuing an alternate diploma. The standards for this course are defined and approved at the local county level. Offered*

7610 DAILY LIVING SKILLS (Daily Living Skills)
1 credit; This local instructional elective course provides instruction in daily living skills. The course is utilized for students on the alternate diploma path, requiring the standards to be county created and locally approved. Offered*

7561 DLY LIV SKILLS II (Daily Living Skills II)
1 credit; This progressive elective course continues instruction focusing on skills necessary for daily living. As a locally developed course, it requires its instructional standards to be county created and locally approved. Offered*

7562 DLY LIV SKILLS III (Daily Living Skills III)
1 credit; This is a locally defined elective course providing advanced instruction in daily living skills. This course is used as an elective option for students working toward an alternate diploma and utilizes county created and locally approved standards. Offered*

7563 DLY LIV SKILLS IV (Daily Living Skills IV)
1 credit; This elective is the fourth level of instruction focusing on daily living skills. As a local instructional course, it must adhere to county created and locally approved standards. Offered*

7603 AL PRC/WRKPL (Alternate Process/Workplace Skills)
1 credit; This local instructional elective course focuses on developing skills in alternate processes and workplace skills. This course may assist with transition goals and requires county-created and locally approved standards. Offered*

7611 SOCIAL SKILLS
1 credit; This course is listed as an elective example providing instruction in social skills for students pursuing an alternate diploma. Standards for this local course must be county created and locally approved. Offered*

7507 SOCIAL SKILLS II
1 credit; This course is listed as an elective example providing instruction in social skills for students pursuing an alternate diploma. Standards for this local course must be county created and locally approved. Offered*

7508 SOCIAL SKILLS III
1 credit; This course is listed as an elective example providing instruction in social skills for students pursuing an alternate diploma. Standards for this local course must be

county created and locally approved. Offered*

7509 SOCIAL SKILLS IV
1 credit; This course is listed as an elective example providing instruction in social skills for students pursuing an alternate diploma. Standards for this local course must be county created and locally approved. Offered*

7613 WORKPLACE SKILLS (Workplace Skills)
1 credit; This local instructional elective provides targeted instruction in necessary workplace skills. The standards for this course are defined by the county and must be locally approved. Offered*

7626 LRN SKILLS I (Learning Skills)
1 credit; This elective is a local instructional course dedicated to teaching students essential learning skills. Like all local electives, its standards must be county-owned and locally approved. Offered*

7527 LRN SKILLS II (Learning Skills)
1 credit; This elective is a local instructional course dedicated to teaching students essential learning skills. Like all local electives, its standards must be county-owned and locally approved. Offered*

7528 LRN SKILLS III (Learning Skills)
1 credit; This elective is a local instructional course dedicated to teaching students essential learning skills. Like all local electives, its standards must be county-owned and locally approved. Offered*

7529 LRN SKILLS IV (Learning Skills)
1 credit; This elective is a local instructional course dedicated to teaching students essential learning skills. Like all local electives, its standards must be county-owned and locally approved. Offered*

7678 CAREER SKILLS (Career Skills)
1 credit; This locally defined elective course provides instruction focused on career skills. This course is available for students on the alternate diploma path and requires county-created and locally standards. Offered*

James Rumsey Technical Institute

Program of Studies

The West Virginia Standards for 21st Century Learning include the following components: Content Standards, Learning Skills, and Technology Tools. Classroom instruction integrates learning skills, technology tools, and content standards and objectives. Group and individual activities engage students in problem-solving techniques and manipulative skills while completing industry related activities.

Through Simulated Workplace, students are prepared for the various jobs common in the industry. Students will be responsible for job duties which may include safety, customer service, management, estimating, and production. Emphasis will be placed on leadership development and soft skills as students learn how these various roles interact with each other to create an effective simulated company.

Career and College Prep Programs for Students Who Like To:

- Work with Computers and Technology: Aerospace Engineering; Coding, AI & Game Design; Cyber Security/Cisco Networking Academies; Multimedia Publishing; Robotics
- Help People: Allied Health Sciences; Early Childhood Classroom Teacher Assistant; Emergency/Firefighting Services; Law and Public Safety; Therapeutic Services (Health Care)
- Work with Their Hands: Automotive Technology; Carpentry; Diesel Technology; Electrical Technician; HVAC; Masonry, ProStart (Culinary); Welding
- Be Creative: Graphic Design; Multimedia Publishing; ProStart (Culinary)

The James Rumsey Technical Institute program of studies can be found on their website: www.jamesrumsey.com

Berkeley County Schools

Statement of Non-Discrimination

No person shall be excluded from participation in, be denied the benefits of, or be subjected to discrimination in any educational program, activity, or employment available in any school on the basis of race, color, creed, ancestry, sex, religion, creed, political belief, age, national origin, linguistic and language differences, sexual orientation, gender, gender identity, gender expression, socioeconomic status, height, weight, marital or familial status, disability or veteran status.

The following persons have been designated to handle inquiries and regarding the application of nondiscrimination policies:

Title IX/Gender/Sexual harassment

Title IX Coordinator
Elice Gregory, Director of Student Support Services
1453 Winchester Avenue
Martinsburg, West Virginia 25405
(304) 267-3500
emgregor@k12.wv.us

Employees/Employment

Dr. Justin Schooley, Deputy Superintendent of Human Resources
1453 Winchester Avenue
Martinsburg, West Virginia 25405
(304) 267-3500
jschoole@k12.wv.us

Students/Educational Programs

Dr. Jessica Alfonso, Executive Director of Organizational Development & Student Learning Experiences
1453 Winchester Avenue
Martinsburg, West Virginia 25405
(304) 267-3500
jalfonso@k12.wv.us

Special Education

David Dilly, Executive Director of Special Education
1453 Winchester Avenue
Martinsburg, West Virginia 25405
(304) 267-3500
ddilly@k12.wv.us