

Galax High School

Program of Study

2025-2026



GHS Families & Students,

We are proud to share our program of studies with you. Galax High School staff and faculty stand ready to bring these course offerings to life in a manner that will inspire curiosity, encourage intellectual growth, and equip students with the skills they need to succeed in the future.

The program of studies is designed to help you make informed choices about your academic journey. Course offerings at Galax High School go far beyond those required to meet Virginia graduation requirements, providing rich opportunities for students to explore fine and performing arts, career and technical education, and college courses.

We encourage you to challenge yourself and select courses that will help you grow academically and personally. Learning is a journey, and each course you take is a step toward shaping your future. We are excited to be a part of every student's education journey toward a successful and rewarding future!

Sincerely,

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MISSION STATEMENT

The mission of Galax High School is to maximize a student's potential in a safe learning environment. By drawing on the resources of our community, we will provide all students with enhanced skills, knowledge, and character to become responsible and productive members of society.

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GALAX HIGH SCHOOL PHILOSOPHY, GOALS, AND OBJECTIVES

The primary purpose of Galax High School is to educate young people so they contribute to society as productive citizens of the home, school, and community. Our school strives to develop within every pupil a command of the fundamental process of learning. The school also works toward developing ethical character, physical and mental health, and respect for the property and rights of others.

The school strives to help each student develop talents and identify strengths so they can make educational, vocational, personal, and social choices that will help lead to a happy and fulfilling life.

Each student should contribute significantly to and benefit from the total school program. Curricula are diversified so that any student can satisfactorily complete a program of training or study in preparation for an accomplished future

The goal of instruction is to meet the physical, social, and emotional needs of the individual student and to be relevant to the student's environment and interests. It is the teacher's responsibility to motivate learning by creating the proper atmosphere, by leading constructive learning experiences in and out of the classroom, and by evaluating student performance and teacher effectiveness. An attitude of cooperation and mutual respect among teachers, students, administrators, and citizens of the community is to be fostered.

Because co-curricular and extra-curricular activities have intrinsic value, they are considered an integral part of the educational program. These activities provide students the opportunity to develop creative initiative, special interests, leadership, occupational skills, and self-direction. This philosophy allows our school to help each student find a constructive and satisfying role in our democratic society.

The Galax High School faculty and administration are committed to the following goals for 2025-2026:

1. Strengthen an environment of excellence through high expectations, trust, expanded leadership, open communication, and innovation.
2. Create more open access and equitable opportunities for all students concerning CTE options, advanced coursework, Gifted and Advanced Placement assignments, and post-secondary plans.
3. Additionally, student goals are:
 - ***Be Here:** Students are to miss no more than five days during the school year.
 - ***Be Involved:** All students will be members of two or more clubs, sports and/or activities.
 - ***Be Successful:** Students are to earn all passing grades and have no discipline referrals to the office during the school year.

WHAT'S NEW IN 2025-2026?

6 New In-Person Classes:

1. Adapted Physical Education
2. Agricultural Fabrication & Emerging Technologies
3. Building Trades I & II
4. Electricity I & II
5. Introduction to Power, Structural, & Technical Systems
6. Small Engine Repair

New Opportunity:

Teachers for Tomorrow 1+1+2

ACCREDITATION:

Galax City Public Schools are accredited by the Virginia State Department of Education.

PROGRAMS:

Galax High School offers academic, career and technical education, and developmental programs which allow students to select from a variety of classes supporting their interests and abilities.

GALAX HIGH SCHOOL SCHEDULE:

Galax High School uses a four-by-four block schedule. All students must register for a full schedule of eight classes. Students are required to take classes offered at Galax High School unless a conflict exists that can not be resolved within the master schedule. Prerequisites and grade level requirements are the same for both on and off-campus classes.

CLASS REGISTRATION PROCESS

- ❖ Students will review the 2025-2026 Program of Study with School Counselors. Topics will include graduation requirements, academic plans, information regarding various course offerings, and course registration guidelines.
- ❖ Students, along with family members, will complete a registration form by selecting classes and alternates. Grade 8 students and their families will be invited to a Galax High School informational meeting detailing expectations of high school students and the class selection process.
- ❖ School Counselors will conduct individual student/family conferences to ensure required courses are selected, prerequisites for courses are met, and class selections are aligned with individual academic plans and career goals.
- ❖ During the last two weeks of school, students will have an opportunity to make changes to their initial course requests. The final deadline to make changes will be the last Friday in May.

After the May deadline, class changes will not be made except for obvious errors. Only the administration may request a schedule change for a student if extenuating circumstances exist.

- ❖ The master schedule is developed over the summer based on course requests and student schedules are determined.
- ❖ A Freshman Orientation will be offered to entering 9th-grade students before Open House.
- ❖ Printed schedules will be available to students in August at Open House.

HIGH SCHOOL DIPLOMA OPTIONS:

All students begin their 9th grade year with the goal of earning an Advanced Studies Diploma which requires them to earn 26 standard credits and 5 verified credits. Students can earn a Standard Diploma which requires 22 credits and 5 verified credits. Diploma requirements are listed on pages 6-7.

Standard credits are awarded by the school per state and local school board policy. One unit of credit is received for most classes (half units of credit can be awarded as well) with a final grade of A, B, C, D, or F. If a student successfully completes a high school course in eighth grade, the credit will be included in the standard units required for graduation provided the course meets SOL content requirements equivalent in content and academic rigor to courses offered at the secondary level.

Verified credits are earned when a student passes a Standard of Learning (SOL) assessment associated with a SOL course. The verified credit is only awarded if the associated class is successfully completed. The following classes have an End of Course SOL assessment:

English 10 – Writing	Chemistry
English 11 – Reading	World Geography
Algebra I	World History & Geography to 1500
Geometry	World History & Geography: 1500 – Present
Algebra II	VA & US History
Biology	College US History
Earth Science	

No student will be required (or will be allowed) to take an EOC SOL test in a subject in which they have already earned a verified credit unless required for federal accountability purposes. For either diploma (Advanced Studies or Standard) students must earn a verified credit in: Writing, Reading, math, one science, and one history. Local Verified Credits can be earned by meeting state and local guidelines; see <http://www.doe.virginia.gov/instruction/graduation/creditaccommodations.html>

GRADE LEVEL CLASSIFICATIONS:

- ❖ To be promoted from grade 9 to grade 10, students must accumulate a total of 6 standard credits.
- ❖ To be promoted from grade 10 to grade 11, students must accumulate a total of 12 standard credits.
- ❖ To be promoted from grade 11 to grade 12, students must accumulate a total of 17 standard credits.

GRADING SCALES:

Three grading scales are used at Galax High School based on the educational entity providing the grade.

1. Galax High School/Southwest Virginia Governor's School

- A (90-100) Excellent
- B (80-89) Above Average
- C (70-79) Average
- D (60-69) Below Average
- F (59-0) Unsatisfactory (No credit earned)

2. Wytheville Community College (dual enrollment courses; a 3-credit college course receives .5 high school credit.

- A (91-100) Excellent
- B (81-90) Above Average
- C (71-80) Average
- D (61-70) Below Average
- F (60-0) Unsatisfactory (No credit earned)

(Instructors are not required to follow this recommended scale; however, if an instructor plans to deviate from these figures, the students will be informed in the class syllabus at the beginning of the term. For specific program and/or course grading requirements, please refer to your academic program, student handbook or the course syllabus)

1. Grayson County High School

- A (94-100) Excellent
- B (86-93) Above Average
- C (77-85) Average
- D (76-70) Below Average
- F (69-0) Unsatisfactory (No credit earned)

ADVANCED STUDIES DIPLOMA:

DISCIPLINE AREA	STANDARD CREDIT REQUIREMENT	VERIFIED CREDIT REQUIREMENT
English	4	2
Mathematics ¹	4	1
Laboratory Science ²	4	1
History & Social Science ³	4	1
World Language ⁴	3	
Health & Physical Education	2	
Fine Arts or Career & Tech Education ⁵	1	
Economics & Personal Finance	1	
Electives ⁶	3	
Student Select Test		
Total	26	5

ADDITIONAL REQUIREMENTS FOR GRADUATION

- **AP, Honors, IB, Dual Enrollment, Work-Based Learning, or CTE Credential** – Students shall (i) complete an Advanced Placement, honors, International Baccalaureate, or dual enrollment course; or (ii) complete a high-quality work-based learning experience, as established by Board guidance on work-based learning; or (iii) earn a career and technical education credential approved by the Board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the advanced studies diploma requirements. The career and technical education credential, when required, could include the successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.
- **Virtual Course** – Students shall successfully complete one virtual course, which may be a non-credit-bearing course or a required or elective credit-bearing course that is offered online. Guidance on this requirement is provided in the Guidance Document Governing Certain Provisions of the SOA (8VAC20-131)
- **First Aid, CPR, and AED Training** – Students shall be trained in emergency first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED), including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided in 8VAC20-131-420 (B).
- **Demonstration of the 5 C's** – Per the Profile of a Virginia Graduate, students shall acquire and demonstrate foundational skills in Virginia's 5 C's: critical thinking, creative thinking, collaboration, communication, and citizenship.

STANDARD DIPLOMA:

DISCIPLINE AREA	STANDARD CREDIT REQUIREMENT	VERIFIED CREDIT REQUIREMENT
English	4	2
Mathematics ¹	3	1
Laboratory Science ²	3	1
History & Social Science ³	3	1
Health & Physical Education	2	
World Language, Fine Arts or CTE Course ⁴	2	
Economics & Personal Finance	1	
Electives ⁵	4	
Student Select Test		
Total	22	5

ADDITIONAL REQUIREMENTS FOR GRADUATION

- **AP, Honors, IB, Dual Enrollment, Work-Based Learning, or CTE Credential** – Students shall (i) complete an Advanced Placement, honors, International Baccalaureate, or dual enrollment course; or (ii) complete a high-quality work-based learning experience, as established by Board guidance on work-based learning; or (iii) earn a career and technical education credential approved by the Board, except when a career and technical education credential in a particular subject area is not readily available or appropriate or does not adequately measure student competency, in which case the student shall receive satisfactory competency-based instruction in the subject area to satisfy the advanced studies diploma requirements. The career and technical education credential, when required, could include the

successful completion of an industry certification, a state licensure examination, a national occupational competency assessment, or the Virginia workplace readiness assessment.

- **Virtual Course** – Students shall successfully complete one virtual course, which may be a non-credit-bearing course or a required or elective credit-bearing course that is offered online. Guidance on this requirement is provided in the Guidance Document Governing Certain Provisions of the SOA (8VAC20-131)
- **First Aid, CPR, and AED Training** – Students shall be trained in emergency first aid, cardiopulmonary resuscitation (CPR), and the use of automated external defibrillators (AED), including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. Students with an IEP or 504 Plan that documents that they cannot successfully complete this training shall be granted a waiver from this graduation requirement, as provided in 8VAC20-131-420 (B).
- **Demonstration of the 5 C's** – Per the Profile of a Virginia Graduate, students shall acquire and demonstrate foundational skills in Virginia's 5 C's: critical thinking, creative thinking, collaboration, communication, and citizenship.

APPLIED STUDIES DIPLOMA:

The Applied Studies Diploma is a diploma option available to students identified as having a disability who complete the requirements of their individualized education programs (IEPs) and meet certain requirements prescribed by the Board of Education according to regulations, but do not meet the requirements for any named diploma.

CERTIFICATE OF PROGRAM COMPLETION:

A Certificate of Program Completion is available to students with disabilities who complete prescribed programs of study defined by a local school board but who do not qualify for diplomas.

INDIVIDUAL STUDENT ALTERNATIVE EDUCATION PROGRAM (ISAEP):

The first goal for every high school-aged student should be to complete the requirements for an advanced studies or standard diploma. Although every effort is made to counsel students to remain in the regular high school program through graduation, there are circumstances when this is no longer a viable option. The Individual Student Alternative Education Program (ISAEP) allows the fulfillment of the compulsory attendance requirement by any student who is 16 years old and for whom an ISAEP plan is developed in a meeting with the student, the student's family, and the principal or designee. In such cases, the Virginia State Board of Education provides students with an opportunity to exit high school with a well-recognized credential and the knowledge and skills necessary for a successful transition to adulthood; an option certainly more desirable than dropping out of school.

Program components must include: 1) Career guidance and counseling; 2) Required Career and Technical Education (CTE) opportunities; 3) Enrollment in Economics & Personal Finance class; and 4) General Education Development (GED) test preparation programs or other alternative education classes provided to help students prepare for the GED tests.

Students in ISAEP may elect to re-enroll in the regular school or other alternative program for any reason prior to completing their plan. School divisions shall have written procedures for re-enrollment.

DIPLOMA SEALS:

Students can earn diploma seals to recognize academic achievement and community involvement by meeting the criteria required for each seal listed below:

1. **Governor’s Seal:** Awarded to students who complete the requirements for an Advanced Studies Diploma with an average grade of “B” or better, and successfully complete college-level coursework that will earn the student at least nine transferable college credits in Advanced Placement (AP), International Baccalaureate (IB), Cambridge, or dual enrollment courses.
2. **Board of Education Seal:** Awarded to students who complete the requirements for a Standard Diploma or Advanced Studies Diploma with an average grade of “A”.
3. **Board of Education’s Career & Technical Education Seal:** Awarded to students who:
 - earn a Standard or Advanced Studies Diploma and complete a prescribed sequence of courses in a Career and Technical Education concentration or specialization that they choose and maintain a “B” or better average in those courses.
 - OR pass an examination or an occupational competency assessment in a career and technical education concentration or specialization that confers certification or an occupational competency credential from a recognized industry, trade or professional association.
 - OR acquire a professional license in that Career and Technical Education field from the Commonwealth of Virginia. The Board shall approve all professional licenses and examinations used to satisfy these requirements.
4. **Board of Education’s Science, Technology, Engineering and Mathematics Seal:** Awarded to students who earn either a Standard Diploma or an Advanced Studies Diploma and
 - satisfy all math and science requirements for the Advanced Studies diploma with a “B” average or better in all coursework.
 - successfully complete a 50-hour or more work-based learning opportunity in a STEM area.
 - satisfy all requirements for a Career and Technical Education concentration (a concentration is a coherent sequence of two or more state-approved courses as identified in the course listing within the CTE Program Area Guide)
 - pass one of the following: (a) a Board of Education CTE STEM-H credential examination or (b) an examination approved by the Board that confers a college-level credit in a STEM field.
5. **Board of Education’s Excellence in Civics Education Seal:** Awarded to students who meet each of the following four criteria:
 - satisfy the requirement to earn a Standard Diploma or an Advanced Studies Diploma.
 - complete Virginia & United States History and Virginia & United States Government courses with a grade of “B” or higher.
 - complete 50 hours of voluntary participation in community service or extracurricular activities, such as volunteering for a charitable or religious organization that provides services to the poor, sick or less fortunate; participating in Boy Scouts, Girl Scouts, or similar youth organizations; participating in Junior Reserve Officer Training Corps (JROTC); participating in political campaigns, government internships, Boys State, Girls State or Model General Assembly; and participating in school-sponsored extracurricular activities that have a civics focus. Any student who enlists in the United States military before graduation will be deemed to have met this community service requirement.

6. **Board of Education’s Seal of Biliteracy:** Awarded to students who earn a Board of Education-approved diploma and:
- pass all required End-of-Course Assessments in English reading and writing at the proficient or higher level.
 - demonstrate proficiency at the intermediate-mid level or higher in one or more languages other than English as demonstrated through an assessment from a list approved by the Superintendent of Public Instruction. (American Sign Language qualifies as a language other than English)
7. **Board of Education’s Seal in Science and the Environment:** Awarded to students who earn either a Standard Diploma or Advanced Studies Diploma and:
- complete at least three different first-level board-approved laboratory science courses and at least one rigorous advanced-level or postsecondary-level laboratory science course, each with a grade of “B” or higher.
 - complete laboratory or field-science research and present that research in a formal, juried setting.
 - complete at least 50 hours of voluntary participation in community service or extracurricular activities that involve the application of science such as environmental monitoring, protection, management, or restoration.

EARLY COLLEGE SCHOLARS PROGRAM

This achievement program recognizes high school seniors who complete their Advanced Studies diploma requirements while earning at least 15 hours of transferable credits toward a college degree. Not only does this program provide a challenging senior year but reduces the expense of college tuition for families. Credits are earned in dual-enrollment programs through the Commonwealth College Course Collaborative and by taking Advanced Placement (AP) courses at their home high school or through the Virginia Virtual AP School. Early College Scholars receive a certificate from the Governor of Virginia recognizing their achievement.

WEIGHTING OF GRADES

Weighting grades encourages learning for the sake of learning. Weighted classes are assigned grade points of higher value. The following chart shows the point values assigned to grades earned in weighted courses compared with unweighted for technical and general courses.

GRADES	WEIGHTED	UNWEIGHTED
A	5	4
B	4	3
C	3	2
D	2	1
F	0	0

Weighted courses include all dual enrollment courses, Advanced Placement courses, and the following high school courses:

Honors English 9	Honors Algebra II	Honors Biology	Physics
Honors English 10	Trig/Statistics	Honors Earth Science	College US History
Honors English 11	Precalculus	Chemistry	Honors Government
College English	Calculus	Biology II – Anatomy	Level III World Languages

GRADE POINT AVERAGE:

Students will receive both a weighted and unweighted grade point average (GPA) beginning at the end of 9th grade. High School credited classes taken in the 8th grade will also be calculated into the weighted and unweighted grade point average. Weighted grade point averages include all grades with weighted classes receiving higher point values. Unweighted grade point averages include all grades without the higher point values.

RANKING:

Students will be ranked by grade level according to their weighted Grade Point Average (GPA). This and all other student information is confidential and will be kept in Student Services. The parent or guardian of any student may view the permanent record upon request with the assistance of a school counselor.

- The grade point average calculated at the end of the first semester of the senior year will be used to determine honor seniors.
 - Valedictorian: the student(s) with the highest weighted grade point average.
 - Salutatorian: the student(s) with the second highest weighted grade point average.
 - Honor Graduates: students with a weighted grade point average of 3.6 or higher.
- The valedictorian and salutatorian must have been enrolled in Galax High School for 4 consecutive semesters, including their senior year. Honor graduates can include transfer students.
- The top ten percent of the class will be recognized with a different colored tassel at graduation. In case of ties, all students with identical grade point averages will receive the appropriate honor.

GRADUATION:

To participate in the graduation ceremony, students must complete ALL graduation requirements by the last day of school and settle all financial obligations. Participation in the Galax High School graduation ceremony is a privilege. Only school-issued academic regalia (stoles, cords, medals) may be worn to the ceremony.

HONOR ROLL:

To be included on the Honor Roll, students must meet the following criteria:

A Honor Roll - All As

A/B Honor Roll - No grade lower than a B

Honor Roll eligibility is determined by the grades indicated when report cards are printed. Grade changes must be made by teachers within two days of the distribution of report cards to be considered for Honor Roll recognition.

SUMMER SCHOOL:

Galax High School offers summer instruction for students enrolled at GHS as needed. Students can enroll in summer school to compensate for failed subjects, take classes they could not otherwise include in their schedule, and for remediation.

Regarding failed classes, students must have a final grade of 50 or higher to take a class as a repeat course and only attend one summer session (two weeks). However, if a student's final grade is below 50, they must attend summer school for four weeks. Grades received in summer school for repeat classes will have standard weight.

When a student retakes a course, the better of the two grades received in that course will be used in the computation of their grade point average. A student receives credit for a course only once. Courses previously passed that are taken for grade improvement do NOT count toward VHSL participation requirements.

CAREER & TECHNICAL EDUCATION AND ACADEMIC PROGRAMS

CAREER & TECHNICAL EDUCATION COMPLETER:

By successfully completing any of the following pathways, students will receive a Career and Technical Completer Certificate. A completer certificate requires the completion of two courses except Automotive Services and JROTC, which require three courses. Students are not limited to taking only two courses during their high school career.

CTE classes and programs are offered regardless of race, color, national origin, sex, or disability. Galax City Public Schools is committed to providing equal access to all facilities located on our campus. Students with limited mobility, including those in wheelchairs, have access to all buildings, classrooms, and campus facilities. When a high school student, who is in a wheelchair or has limited mobility, registers for a class located in the CTE building, the enrollment staff will notify the building-level administration, the Director of Special Education, and the Director of Transportation to begin the process of ensuring equal access to all facilities. Once notification of enrollment is received, the team will ensure transportation to and from the CTE building's handicapped-accessible doors is scheduled.

CTE COMPLETER PATHWAYS

CLASS	PAIRINGS
Accounting	<ul style="list-style-type: none"> -Advanced Accounting -Intro to Digital & Informational Literacy & Computer Applications -Adv. Digital & Informational Literacy & Computer Applications -Digital Applications -Design, Multimedia & Web Technologies -Adv. Design, Multimedia & Web Technologies -Principles of Business & Marketing -Entrepreneurship
Agriculture Fabrication & Technologies	<ul style="list-style-type: none"> -Small Engine Repair -Intro to Power, Structure, & Technologies
Automotive Services I	<ul style="list-style-type: none"> -Automotive Services II -Automotive Services III
Building Trades I & II (Grayson County High School)	<ul style="list-style-type: none"> - Electricity I & II

Cosmetology I (Grayson County High School)	-Cosmetology II -Cosmetology III
Design, Multimedia & Web Technologies	-Accounting -Advanced Accounting -Intro to Digital & Informational Literacy & Computer Applications -Adv. Digital & Informational Literacy & Computer Applications -Adv. Design, Multimedia, & Web Technologies -Digital Applications -Principles of Business & Marketing
Digital Applications	-Accounting -Advanced Accounting -Intro to Digital & Informational Literacy & Computer Applications -Adv. Digital & Informational Literacy & Computer Applications -Design, Multimedia, & Web Technologies -Adv. Design, Multimedia, & Web Technologies -Principles of Business & Marketing
Digital & Social Media Marketing	-Principles of Business & Marketing -Sports & Entertainment Marketing -Entrepreneurship
Entrepreneurship	-Accounting -Intro to Digital & Informational Literacy & Computer Applications -Adv. Digital & Informational Literacy & Computer Applications -Digital & Social Media Marketing -Principles of Business & Marketing -Sports & Entertainment Marketing

Independent Living	-Nutrition & Wellness/Child Development
Junior Reserve Officer Training Corp (JROTC) I (Grayson County High School)	-JROTC II -JROTC III
Nursing (Grayson County High School)	-Intro to Health & Medical Records -Nurse Aide -Practical Nursing
Principles of Business & Marketing	-Accounting -Advanced Accounting -Intro to Digital & Informational Literacy & Computer Applications -Adv. Digital & Informational Literacy & Computer Applications

Principles of Business & Marketing Continued	-Design, Multimedia, & Web Technologies -Adv. Design, Multimedia, & Web Technologies -Digital Applications -Sports & Entertainment Marketing -Entrepreneurship
Sports & Entertainment Marketing	-Sports & Entertainment Management -Digital & Social Media Marketing -Principles of Business & Marketing -Entrepreneurship
Teachers for Tomorrow I	-Teachers for Tomorrow II
Welding I	-Welding II

ACADEMIC PROGRAMS

VIRTUAL CLASSES:

Virtual classes are available to students who want to learn more about a subject that is not offered at Galax High School. Virtual classes are tuition-based and will be paid for by Galax City Public Schools.

Before registration for a virtual course, students and a family member must sign a contract indicating their understanding of the expectations necessary to successfully complete the course. If the contract is not signed by both the family member and the student, the student will be dropped from the course and one of the student's alternate class choices will be used.

If the dual enrollment course is failed, GHS administration reserves the right to refuse permission for the student to take additional tuition paid (by GCPS) classes.

ADVANCED PLACEMENT (AP):

Advanced Placement courses offer students the opportunity to engage in college-level work while still in high school. Students will be required to take the nationally administered course-related AP exam in May with their score determining whether a college will award college credit for that subject area.

AP courses are taught via a virtual platform and typically are year-long classes (2 blocks – one in the fall semester and one in the spring semester). 11th and 12th grade students are eligible to take virtual AP courses but they must meet course prerequisites, obtain a teacher recommendation, and accept enrollment in the Early College Program. AP virtual classes are tuition-based and will be paid for by Galax City Public Schools.

Please note:

If a student chooses to drop a virtual AP course before the drop deadline established by the virtual platform, there will be no grade repercussions. If a student chooses to drop a virtual AP course after the drop deadline

established by the virtual platform, they will receive a W for the course (which will be noted on the high school transcript and counted as an attempted course).

Before registration for a virtual course, students and a family member must sign a contract indicating their understanding of the expectations necessary to successfully complete the course. If the contract is not signed by both the family member and the student, the student will be dropped from the course and one of the student's alternate class choices will be used.

If the AP course is failed, GHS administration reserves the right to refuse permission for the student to take additional tuition paid (by GCPS) classes.

If interested, students should see their grade-level school counselor for course listings and registration.

DUAL ENROLLMENT:

Through an agreement with the Virginia Community College System (VCCS), students can receive college credit while still enrolled in Galax High School. These classes are taught by college-accredited GHS staff, WCC online instructors, WCC instructors at Crossroads Institute, and college-accredited staff at the Southwest Virginia Governor's School (SWVGS) as well as Linwood Holton Governor's School.

Dual enrollment courses can be taken in grades 10-12 with administrative approval. Students must meet course prerequisites, which include high school grade point averages. Students must have at least a 3.0 GPA to take college core classes and at least a 2.0 GPA to take college career and technical classes. GHS provides transportation to students attending the SWVGS and the WCC Crossroads Institute. Dual enrollment course grades are based on the grading scale assigned by the Virginia Community College System.

Six hours of college credit = 1 high school credit based on Carnegie units of credit requiring 140 instructional hours. Three hours of college credit = .5 high school credit. GCPS will pay for two dual enrollment courses and textbooks per year (6 hours of college credit or 8 hours of college credit for a course with a lab) in addition to college courses taught by GHS faculty. Payment does NOT include college courses taken after the regular school day or during the summer.

Please note:

If a student chooses to drop a Wytheville Community College (WCC) dual enrollment course before the drop date for a tuition refund, there will be no grade repercussions. If a student chooses to drop a WCC dual enrollment course after the drop date for tuition refund they will receive a W for the course (which will be noted on the high school transcript and counted as an attempted course).

If the dual enrollment course is failed, GHS administration reserves the right to refuse permission for the student to take additional tuition paid (by GCPS) classes.

A variety of dual enrollment courses are available. Students should see their grade-level counselor for course offerings.

COLLEGE TRANSFER PROGRAMS:

The college transfer programs at Wytheville Community College allow students at Galax High School to complete first- and second-year courses in arts and sciences and pre-professional courses that transfer to four-year colleges and universities.

Several four-year degree programs are available on the campus of Wytheville Community College, including degree programs that are taught at Crossroads Institute in Galax. Additionally, a multitude of online courses are available.

Associate of Arts and Sciences Degree Programs are designed with two primary goals in mind:

- 1) To offer the student a widely accepted program of general preparation for upper-division work in a chosen professional field, stressing a balance of required courses common to most baccalaureate degree programs; and
- 2) To offer maximum flexibility so that the student may select specific courses that may be required at the college or university to which transfer is contemplated.

Galax High School students apply for these programs by completing WCC application forms and demonstrating competency in at least one of the three respective areas:

- Grade-point average (GPA)
- Minimum scores received on either the PSAT, ACT, and/or SAT
- Minimum scores received on the Virginia Placement Test (VPT)

Guaranteed admission and transfer agreements with four-year colleges and universities only apply to students who complete the Associate Degree with the specified GPA. Students at Galax High School will enroll in the program as juniors and move as a cohort through the required courses.

Under **House Bill 1184** (*passed in 2012*), dual enrollment students can work towards either the General Education Certificate and/or one of several Associate Degree programs concurrent with earning their high-school diplomas. Current pathways are listed below.

- **Uniform Certificate of General Studies**
- **Business Administration – Associate Degree**
- **General Studies - CIS Specialization Degree**
- **General Studies – Associate Degree**
- **Science – Associate Degree**

Students interested in pursuing an Associate Degree from Wytheville Community College while completing their high school diploma, should see their school counselor for more details and to schedule an appointment with the WCC Dual Enrollment liaison to map out a plan of study to accomplish this goal.

TEACHERS FOR TOMORROW 1+1+2

This program is a collaborative opportunity between Galax High School, Wytheville Community College, and Emory and Henry University which allows a student to become a teacher three years after high school graduation.

Galax High School will:

- Meet with 10th-grade students to provide information about the Teachers for Tomorrow pathway to become a teacher.
- Provide classroom experiential learning opportunities for juniors and seniors.
- Provide dual-enrollment opportunities for 11th and 12th-grade students to earn enough credits to meet 1 year of college credit.
- Costs covered by Galax Schools and WCC

Wytheville Community College will:

- Provide dual-enrollment classes for students who attend Wytheville Community College to meet **Year 1** of the 1+1+2 Teachers for Tomorrow Program
- Provide a defined course sequence after high school graduation to meet **Year 2** of the 1+1+2 Teachers for Tomorrow Program (Associate Degree)
- Costs covered by Twin County Community Foundation Scholarship (last dollar)

Emory and Henry University will:

- Provide the **final 2 years** of the 1+1+2 Teachers for Tomorrow Program for students to complete their Bachelor’s Degree through a prescribed curriculum and obtain teacher licensure.
- Offer a discounted tuition rate of \$7,500 per year, excluding the Virginia Tuition Assistance Grant.

EARLY COLLEGE PROGRAM

The Early College Program allows seniors who will earn an Advanced Studies Diploma, successfully complete College English in the fall semester of the senior year, and complete all graduation requirements by the end of the first semester of their twelfth-grade year with a cumulative grade point average of 3.0 to attend Wytheville Community College the second semester of their senior year.

Students can take up to 13 hours of college credit paid in full by Galax City Public Schools during that spring semester. This pathway is for students planning to earn a general education associate degree or transfer to a four-year college or university. Students will still be under the GCPS umbrella and be able to participate in GHS athletics, clubs, extracurricular activities, and graduation.

EARLY CAREER PROGRAM

The Early Career Program allows seniors who will earn a Standard Diploma by completing all graduation requirements by the end of the first semester of their twelfth-grade year with a cumulative grade point average of 2.0 to attend Wytheville Community College the second semester of their senior year.

Students can take up to 13 hours of college credit paid in full by Galax City Public Schools during that spring semester. This pathway is for students planning to pursue a career and technical certificate or license. Students will still be under the GCPS umbrella and be able to participate in GHS athletics, clubs, extracurricular activities, and graduation.

Summary of GHS Course Offerings By Department

* Indicates Online Courses

ENGLISH:

English 9
Honors English 9
English 10
Honors English 10
English 11
Honors English 11
English 12
College English ENG 111/112
World Mythology
Creative Writing
Journalism
Theater I, II, III, IV
Yearbook

MATH:

Algebra I
Geometry
Algebra Functions
& Data Analysis
Honors Algebra II
Trigonometry/Probability
& Statistics
Precalculus
Calculus

SCIENCE:

Biology
Honors Biology
Earth Science
Honors Earth Science
Bio II: Ecology
Bio II: Anatomy
Chemistry
Forensic Science
Meteorology
Astronomy
Physics

HISTORY:

Wld History to 1500(WH 1)
Wld History 1500-Present(WH 2)
VA & US History
College US History HIS 121/122
VA & US Government
Honors VA & US Government
Economics & Personal Finance

WORLD LANGUAGES:

*American Sign Language I, II, III
EML I, II, III
*French I, II, III
*Latin I, II, III
*Native Speaker Spanish I, II, III
Spanish I, II, III

FINE ARTS:

Art I, II, III, IV, V
Individual Research in Art
Photography
Band I, II, III, IV
Chorus I, II, III, IV
Guitar I, II

HEALTH & PHYSICAL EDUCATION:

Health & PE 9
PE 10/Driver's Education
Weightlifting
Recreation Sports

CAREER AND TECHNICAL EDUCATION:

Accounting
Advanced Design, Multimedia, and Web Technologies I, II
Advanced Digital & Info Literacy & Computer Applications (ITE 215)
Agricultural Fabrication & Emerging Technologies
Automotive Service Technology I, II, III
Building Trades I & II
*Computer Science Foundations
*Computer Science Principles
*Computer Science Programming JAVA
*Computer Science Programming PYTHON
Cooperative Education
Cosmetology I, II, III (GCHS)
Criminal Justice I (ADJ 100), II ((ADJ 145), III (ADJ 201), IV (ADJ 146) (GCHS)
*Cybersecurity Fundamentals
*Cybersecurity Operations
Design, Multimedia, and Web Technologies
Digital Applications
Digital and Social Media Marketing
Electricity I & II
Engineering Explorations I
Independent Living
Intro to Digital & Info Literacy & Computer Applications (ITE 152)
Intro to Health and Medical Services (GCHS)
Intro to Power, Structural, and Technical Systems
JROTC I, II, III, IV (GCHS)
Nurse Aide I, II (GCHS)
Nutrition & Wellness/Child Development & Parenting
Organizational Behavior (BUS 201) & International Business Practice Firm (BUS 230)

Practical Nursing (PNE 141/155, PNE 142/173) (GCHS)
Principles of Business & Marketing (BUS100/MKT100)
Small Engine Repair
Sports & Entertainment Management
Sports & Entertainment Marketing
Technology of Robotic Design
Virginia Teachers for Tomorrow I (EDU 200)
Virginia Teachers for Tomorrow II (EDU 250)
Welding I (SAF 127/WEL 100/WEL 123/WEL 150)
Welding II (WEL 160/WEL 164)
Work-based Learning & Entrepreneurship (BUS 116)

ALL COURSE OFFERINGS ARE DEPENDENT UPON TEACHER AVAILABILITY, STUDENT INTEREST AND FINANCIAL RESOURCES.

AGRISCIENCE

Agricultural Fabrication & Emerging Technologies

Grade Level: 9, 10, 11, 12

Prerequisites: None

For agricultural applications, students will receive instruction in metal fabrication, including cutting, welding, and cold metalworking processes. The course will also include the investigation of emerging technologies used within agriculture. Leadership and career skills will be incorporated throughout. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to student's career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

Introduction to Power, Structural, and Technical Systems

Grade Level: 9, 10, 11, 12

Prerequisite: None

This introductory course prepares students for agricultural mechanics, fabrication, and construction careers. Students receive instruction in and hands-on experiences using tools, building agricultural structures, welding, working with electricity, carpentry, and operating, maintaining, and repairing agricultural machinery and equipment. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to student's career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

Small Engine Repair

Grade Level: 9, 10, 11, 12

This course offers an intensive study of the operation, maintenance, and repair of small gasoline engines. Instructional topics include principles of operation of internal combustion engines, repair and service procedures, and disassembly and reassembly. Instruction may also include the operation of two-cycle and four-cycle engines commonly found on lawnmowers, garden tractors, snow blowers, rotary tillers, chainsaws, and other equipment. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to student's career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

ART

Art I – Art Foundations

Grade Level: 9, 10, 11, 12

Prerequisites: None

Art I is an introduction to the basic principles of art, stressing understanding and personal development in the foundations of art. The course may include study/project work in several different types of art: fundamentals of drawing and sketching, color study, graphic design, art history/appreciation, art vocabulary, two-dimensional design, and related projects. This is a demanding class, where students are required to work independently and be responsible for the completion of their own coursework. Projects assigned may vary from year to year.

Art II – Intermediate Art

Grade Level: 9, 10, 11, 12

Prerequisites: “C” in Art I

Students will continue to develop and refine skills earned in Art I through a wide variety of art experiences. Due to the level of art experience of the student, student work will be on a more defined and rigorous level of difficulty including art history and vocabulary than that required during Art I. Projects may vary from year to year.

Art III, IV & V - Advanced Art

Grade Level: 10, 11, 12

Prerequisites: “B” in Art II; Teacher Recommendation

Advanced Art students are required to work independently in many phases of art using the skills learned in Art I and Art II. The teacher and student will establish an appropriate schedule of required projects to be completed each grading period. Areas of greatest strength or interest may be studied in depth through independent studies by each student.

Individual Research in Art

Grade Level: 11, 12

Prerequisites: Successful completion of Art III with a “B” average; Teacher Recommendation

Individual Research in Art allows students who have already taken Advanced Art classes and show an interest in creating their unique work to take a class where they make decisions about the subject, media used, etc. Students must have projects approved by the art teacher before beginning work, and must complete a minimum of four separate pieces of art.

Photography I

Grade Level: 10, 11, 12

Prerequisites: Art I

Students will explore black-and-white film photography through theory, practice, history of photography, discussion, and critique sessions. Each student will take photographs using film cameras only. (There will be no digital photography taught in this class). Students will develop their film and burn their prints in a darkroom setting using traditional techniques. Each student will also learn techniques to better their photographic skills equally at the camera and in the darkroom. This class is for students motivated to learn about the mechanics of traditional photography. Assignments will be made and may vary from year to year.

AUTOMOTIVE SERVICE TECHNOLOGY (ASE)

Auto Service Technology I (1 Block)

Grade Level: 10, 11, 12

Prerequisites: None

In this course, students explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drivetrain and axles, suspension and steering systems, and brakes. Students who successfully complete the Automotive Technology Program may be eligible to take the Automotive Service Excellence (ASE) Student Certification examination. The ASE Student Certification is the first step in building a career as a service professional in the automotive industry. Students are encouraged to participate in the student organization Skills USA. Students will prepare for the ASE and take the Workplace Readiness Skills for the Commonwealth Exam.

Auto Service Technology II (2 Blocks)

Grade Level: 11, 12

Prerequisites: At least a “C” average in Automotive Service Technology I; Teacher Recommendation

In this course, students build upon their basic knowledge of automotive technology, exploring more advanced tasks in engine repair, automatic transmission and transaxle, manual drive train and axles, suspensions and steering systems, and brakes. They also learn about electrical electronic, and HVAC systems in automobiles. Upon successful completion of the course, students may be eligible to take the Automotive Service Excellence (ASE) Student Certification Examination. Students are encouraged to participate in the student organization Skills USA. Students will prepare for the ASE and take the Workplace Readiness Skills for the Commonwealth Exam.

Auto Service Technology III (2 Blocks)

Grade Level: 12

Prerequisites: At least a “C” average in Auto Service Technology II; Teacher Recommendation

This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmissions and transaxle, manual drive trains and axles, suspension and steering, wheel and tire, brakes, electrical/electronic systems, HVAC, and engine performance. Students are provided with more

advanced instruction in all systems as they prepare for the Automotive Service Excellence (ASE) certification examinations. The Automotive Technology program provides the fundamental skills necessary to succeed in an ever-changing and challenging industry as an automotive technician. Students take the ASE Entry-Level Certification test.

BUILDING TRADES

The following courses will be taught at Grayson County High School
Seat availability will vary from year to year

Building Trades I & II (3 blocks)

Grade Level: 11, 12

Prerequisites: Must be age 16 before the first day of class.

This course is designed to help students prepare for a career in the Building Trades industry. It is a three-block class in which Building Trades I is one block first semester and Building Trades II is two blocks second semester. Subjects such as tool identification and use, electricity, plumbing, carpentry, and masonry will be covered. Workplace safety and commonly used Residential Building, Plumbing, and Electrical Codes will also be covered. Students will be taught employability skills to help them obtain and maintain employment and earn an Occupational Safety and Health Administration (OSHA) 10 Card.

Electricity I & II (3 blocks)

Grade Level: 11, 12

Prerequisites: Must be age 16 before the first day of class

This course is designed to help students prepare for a career in the Electrical industry. It is a three-block class in which Electricity I is one block first semester and Electricity II is two blocks second semester. Students will be introduced to the residential wiring of houses and apartments, and the commercial wiring of retailers, schools, and businesses. Workplace safety and commonly used electrical codes will also be covered. Students will be taught employability skills to help them obtain and keep employment and earn an Occupational Safety and Health Administration (OSHA) 10 Card.

BUSINESS

Online Economics and Personal Finance

Grade Level: 10, 11, 12

Prerequisites: None

This course is a graduation requirement for all students. Students learn how to navigate the financial decisions they must face and to make informed decisions related to career exploration, budgeting, banking, credit insurance, spending, taxes, saving, investing, buying/leasing a vehicle, and living independently. Students will develop financial literacy skills and an understanding of economic principles which will provide the basis for responsible citizenship and career success. Each student will take the W!SE Financial Literacy

Certification Test. If a grade of 66 or above is received on the test, the student will receive the W!SE Financial Literacy Certification. Students will also take the Workplace Readiness Skills Test for the Commonwealth Exam.

Accounting

Grade Level: 10, 11, 12

Prerequisites: None

Accounting students study the basic principles, concepts, and practices of the accounting cycle for a service business and a merchandising business. Topics covered include analyzing transactions, journalizing the posting entries, preparing payroll records and financial statements, and managing cash control systems. Business ethics and professional conduct are emphasized. Reinforcement activities and business simulations strengthen the learning of the accounting cycle. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

Digital Applications

Grade Level: 9, 10, 11, 12

Prerequisites: None

Students will look at basic computer operations such as keyboards, word processing, spreadsheets, multimedia presentations, databases, and career exploration. Students will be given project-based assignments to apply their computer skills in everyday life. Students will take the Workplace Readiness certification test.

Intro to Digital & Information Literacy & Computer Applications (ITE 152)

Grade Level: 10, 11, 12

Prerequisites: Must have a minimum 2.0 GPA

Students will develop an understanding of digital information literacy. Introduces basic computer concepts in hardware, software, cyber, cloud, database, and operating systems. Includes hands-on experience developing word processing, spreadsheet, and presentation documents. Evaluates the reliability of sources. Covers creating a simple web page. Examines topics such as social, legal, and ethical issues. **Students will receive three hours of college credit.** Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Microsoft Office Specialist Certification test.

Advanced Digital & Information Literacy & Computer Applications (ITE 215)

Grade Level: 10, 11, 12

Prerequisites: "C" or higher in Intro to Digital & Information Literacy & Computer Applications

This dual enrollment course covers computer concepts and internet skills and uses a software suite that includes word processing, spreadsheet, database, and presentation software to demonstrate skills. **Students will receive three hours of college credit.** Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Microsoft Office Specialist Certification test.

Principles of Business and Marketing BUS 100/MKT 100

Grade Level: 10, 11, 12

Prerequisites: Must have a minimum 3.0 GPA

Introduction to Business/BUS 100: This dual enrollment course presents a broad introduction to the functioning of business enterprises within the U.S. economic framework. BUS 100 introduces economic systems, essential elements of business organization, production, human resource management, market, finance, and risk management. Business vocabulary is also developed. **Students will receive three hours of college credit** upon completion of this course.

Principles of Marketing/MKT 100: This dual enrollment course presents principles, methods, and problems involved in marketing to consumers and organizational buyers. The course discusses problems and policies connected with the distribution and sale of products, pricing, promotion, and buyer motivation. MKT 100 examines variations of marketing research, legal, social, ethical, e-commerce, and international considerations in marketing. **Students will receive three hours of college credit** upon successful completion of the course and will take the Workplace Readiness Skills for the Commonwealth Exam.

Sports and Entertainment Marketing

Grade Level: 10, 11, 12

Prerequisites: None

This course helps students develop a thorough understanding of fundamental marketing concepts and theories as they relate to the sports and entertainment industries. Students will investigate the components of customer service skills, branding, product development, pricing and distribution strategies, business structures, sales processes, social media, sponsorships, and endorsements, as well as promotion plans needed for sports and entertainment events. This course also supports career development skills and explores career options. Students will participate all semester in real-life marketing and promotional activities with Maroon Tide Sports. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

Sports and Entertainment Management

Grade Level: 11, 12

Prerequisites: Sports and Entertainment Marketing; Teacher Recommendation

Students will build on prior knowledge of Sports and Entertainment Marketing.

Digital and Social Media Marketing

Grade Level: 9, 10, 11, 12

Prerequisites: None

This course introduces students to digital and social media marketing. Students explore principles, strategies, tools, and tactics related to consumers, branding, advertising, and promotions. Students explore how success is measured in a digital and social media marketing campaign. This course emphasizes ethics, laws, and security. Students also investigate business and marketing plans, as well as careers in digital and social media marketing. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

Design, Multimedia, and Web Technologies

Grade Level: 10, 11, 12

Prerequisites: None

Students develop proficiency in designing and creating desktop-published projects, multimedia presentations/projects, and websites, using industry-standard application software. Students apply principles of layout and design in competing projects. Students create portfolios that include a variety of desktop-published, multimedia, and website projects produced in the course. Students will gain experience using Adobe Creative Cloud, such as Photoshop, Premier Pro, Illustrator, and Dreamweaver. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Adobe Certified Associate (ACA) exam.

Advanced Design, Multimedia, and Web Technologies: Part I

Grade Level: 10, 11, 12

Prerequisites: "C" in Design, Multimedia and Web Technologies

Students develop advanced skills for creating desktop-published, interactive multimedia, and website projects. Students work with sophisticated hardware and software, applying skills to real-world projects. Students will have the opportunity to receive Adobe Certified Associate certification. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Adobe Certified Associate (ACA) Exam.

Advanced Design, Multimedia, and Web Technologies: Part II

Grade Level: 11, 12

Prerequisites: Advanced Design, Multimedia, and Web Technologies: Part I

Students who have completed Advanced Design, Multimedia, and Web Technologies: Part I will continue to expand their skills with the Adobe Creative Cloud Suite. Students will also remain a part of the GHS Design Team to help create many community projects and plan/implement the end-of-year senior videos.

Work-based Learning and Entrepreneurship (BUS 116)

Grade Level: 11, 12

Prerequisites: Application; Teacher Approval; Must have a minimum 2.0 GPA

Work-based learning is a school-coordinated, coherent sequence of workplace experiences that are related to student's career goals and/or interests, based on instructional preparation, and performed in partnership with local businesses, industries, or other organizations in the community. WBL enables students to apply classroom instruction in a real-world business or service-oriented work environment.

Entrepreneurship (BUS 116) presents the various steps considered necessary when going into business.

Includes areas such as product-service analysis, market research evaluation, setting up books, ways to finance startup, operations of the business, development of business plans, buyouts versus starting from scratch, and franchising. Uses problems and cases to demonstrate the implementation of these techniques. **Students will receive three hours of college credit** upon successful completion of this course. Students will also take the Workplace Readiness Skills for the Commonwealth Exam.

Organizational Behavior (BUS 201)/International Business Practice Firm (BUS 230)

Grade Level: 11, 12

Prerequisite: Must have a minimum 2.0 GPA

Organizational Behavior (BUS 201): Presents a behaviorally oriented course combining the functions of management with the psychology of leading and managing people. Focuses on the effectiveness of human resources through understanding human motivation and behavior patterns, conflict, management and resolution, group functioning and process, the psychology of decision-making, and the importance of recognizing and managing change. **Students will receive three hours of college credit** upon successful completion of this course.

International Business Practice Firm (BUS 230): Uses an international business model that prepares students to work as team members in a simulated business firm operating in a virtual economy. Provides tools for students to perform various business functions as their firm transacts business with other students operating business practice firms throughout Europe, Canada, Mexico, and the United States. Involves students in decision-making, critical thinking, and team activities. **Students receive three hours of college credit** upon successful completion of the course.

Virginia Teachers for Tomorrow I (EDU 200)

Grade Level: 10, 11, 12

Prerequisites: Minimum 3.0 GPA; Teacher Recommendation

The Teachers for Tomorrow course introduces students to a career in teaching and education. The primary elements of the curriculum components are the learner, the school, the teacher, and teaching. The components are intentionally broad in scope and provide a great deal of flexibility based on the career interest of the student. In addition to the fundamental curriculum components, all students are required to participate in an internship outside the Teachers for Tomorrow classroom.

Introduction to Teaching as a Profession (EDU 200): This course provides an orientation to the teaching profession in Virginia, including historical perspectives, current issues, and future trends in education on the national and state levels. Emphasizes information about teacher licensure examinations, steps to certification, teacher preparation and induction programs, and attention to critical shortage areas in Virginia. Includes supervised field placement in a K-12 school. **Students will receive three college credit** hours upon successful completion of the course. Students will also take the Workplace Readiness Skills for the Commonwealth Exam.

Virginia Teachers for Tomorrow II

Grade Level: 11, 12

Prerequisites: Virginia Teachers for Tomorrow I

Students continue to explore careers in the Education and Training Cluster and pathways. This course provides the opportunity for students to prepare for careers in education as they research postsecondary options, learn about the process of teacher certification in Virginia, and participate in a practicum experience. Students will take the Workplace Readiness Skills for the Commonwealth Exam and the Paraprofessional Exam.

Work Release

Grade Level: 12

Prerequisites: Must be employed; Administrative Approval

Students must provide proof of employment and be able to meet graduation requirements by the end of the year.

COSMETOLOGY

The following courses will be taught at Grayson County High School
Seat availability will vary from year to year

Cosmetology I (2 Blocks)

Grade Level: 11

Prerequisites: Good attendance record

Cosmetology is the study of hair, skin, nails, and their related care. Students study and prepare in a clinical lab setting using mannequins and live models for manipulative skill practice. The program emphasizes safety and sanitation, communication, and management skills. Related areas of study include psychology, ethics, and the presentation of a professional image. Competency completions prepare the student for the Virginia state licensing exam. This class meets one block in the fall semester and one block in the spring semester.

Cosmetology II (2 Blocks)

Grade Level: 12

Prerequisites: Successful completion of Cosmetology I

In this course, students expand on knowledge and skills which are required for licensure. Emphasis is placed on advanced technique, with increased speed and perfection. Most of the lab work is performed on patrons from the school and community. This allows students to gain the skills needed to ensure a smooth transition from school to industry. This class will meet during two blocks first semester.

Cosmetology III (2 Blocks)

Grade Level: 12

Prerequisites: Successful completion of Cosmetology I and II

In this advanced course, students build on their theoretical foundation of general sciences and practices in cosmetology to increase proficiency in hair cutting and styling on live models, with attention to professionalism, client consultation, safety, and infection control. Students are trained in safe chemical processes related to chemical texture services and advanced hair coloring techniques. They also develop artistic skills with wigs and hair additions. Students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. An advanced business management unit focuses on managing the salon. Competency completion prepares the student for the Virginia State Licensing Exam. Students can combine classroom instruction and supervised on-the-job training in an approved position or internship with continuing supervision throughout the year. This class will meet during two blocks second semester.

All three levels must be completed before the student is eligible to take the Virginia State Licensing Exam.

CRIMINAL JUSTICE

The following courses will be taught at Grayson County High School
Seat availability will vary from year to year

Criminal Justice I (ADJ 100)

Grade Level: 11, 12

Prerequisites: Minimum 2.0 GPA

Students are introduced to the legal foundations and processes, principles, techniques, and practices for exploring careers within the criminal justice system. This is a weighted dual enrollment class, allowing **students to earn three hours of college credit** through Wytheville Community College.

Criminal Justice II - Criminology (ADJ 145)

Grade Level: 11, 12

Prerequisites: Criminal Justice I

Students will study and evaluate the relationships and interactions between correctional organizations and free society. The course focuses on the shared responsibility of the community and correction agencies to develop effective programs for the management and treatment of criminal offenders. This is a weighted dual enrollment class, allowing **students to earn three hours of college credit** through Wytheville Community College.

Criminal Justice III – Criminology (ADJ 201)

Grade Level: 12

Prerequisites: Criminal Justice I and II

Students will study current and historical data about criminal and other deviant behavior. The course examines theories that explain crime and criminal behavior in human society. This is a weighted dual enrollment class, allowing **students to earn three hours of college credit** through Wytheville Community College.

Criminal Justice IV - Adult Correctional Institutions (ADJ 146)

Grade Level: 12

Prerequisites: Criminal Justice I, II, and III

This course describes the structures, functions, and goals of state and federal correctional institutions (prison farms, community-based units, etc.) for adult inmates. This is a weighted dual enrollment class, allowing **students to earn three hours of college credit** through Wytheville Community College.

ENGLISH

English 9

Grade Level: 9

Prerequisites: Pass English 8

English 9 involves a study of grammar, composition, and literature. Grammar includes studies of parts of speech, parts of the sentence, mechanics, sentence structure, and usage. Speaking, listening, and vocabulary are also emphasized. Composition covers formal persuasive essays, summaries, and reports. Literature units are taught on non-fiction selections, short stories, poetry, novels, and drama selections. Students are introduced to different types of literature (biography, epic, novel, etc.) and literary terms (satire, allusion, irony, etc.).

Honors English 9

Grade Level: 9

Prerequisites: “B” in Honors English 8 or “A” in English 8; Pass the grade 8 Reading and Writing SOL; Teacher Recommendation

Honors English 9 includes all material covered in English 9. However, the Honors course is more intensive with additional requirements and more rigorous expectations in both reading and writing.

The English Department of Galax High School requires that students who sign up for honors English courses read teacher-selected books during the summer. This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide before leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the assignment and test will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

English 10

Grade Level: 10

Prerequisites: Pass English 9

English 10 focuses on writers and the art of composition. Students will read a variety of fiction and nonfiction selections from world literature to analyze the elements an author uses to create quality writing. These include, but are not limited to grammar, usage, word choice, connotation, mechanics, literary devices, character development, inferences, etc... Students will plan, compose, edit, and publish a variety of essays and summaries that relate to the themes addressed in these reading selections. Students will also research topics related to the themes and examine a variety of authentic texts that provide a comprehensive view of each literary piece.

The administration of the EOC English Writing SOL will occur approximately 45 days into the English 10 class.

Honors English 10

Grade Level: 10

Prerequisites: “B” in Honors English 9 or “A” in English 9; Teacher Recommendation

Honors English 10 is designed to enhance reading comprehension and writing skills by focusing on prose and poetry pieces from world literature. Through analysis of these selections, students will display an understanding of various cultural beliefs and customs, the use of literary devices and figurative language, inferences, character development, and advanced vocabulary. Students will also utilize these pieces to complete projects and compositions that demonstrate research and critical thinking skills. The required writings will include a variety of essays (analytical, argumentative, interpretive, and reflective) as well as summaries and narratives. A comprehensive study of grammar, usage, and mechanics will be addressed to improve the writing ability of students.

The English Department of Galax High School requires that students who sign up for honors English courses read teacher-selected books during the summer. This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide before leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the assignments and tests will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

The administration of the EOC English Writing SOL will occur approximately 45 days into the English 10 class.

English 11

Grade Level: 11

Prerequisites: Pass English 10

English 11 focuses on the history of America through poetry and prose. Students will read selections in fiction and nonfiction that illustrate the impact of the historical American literary movements: colonialism/Puritanism, Revolutionary Movement/Rationalism/Enlightenment, Realism/Naturalism, Symbolism/Modernism/Harlem Renaissance/Postmodernism/Contemporary. Students will develop a better understanding of these historical times by analyzing the authors’ styles, which will include vocabulary, syntax, and literary devices and techniques. The required student compositions for this class are descriptive, reflective, analytical, interpretive, and argumentative. Multimedia projects presented by students will be utilized to check student understanding of the materials covered in this course. The class will culminate with the EOC English Reading SOL test.

Honors English 11

Grade Level: 11

Prerequisites: “B” in Honors English 10 or “A” in English 10; Teacher Recommendation

Honors English 11 is an advanced class in which students will be asked to study challenging issues through diverse selections of poetry and prose. In addition to covering the materials identified in the English 11 course, students will be required to read two novels per quarter (four for the semester) and create original projects/presentations that further analyze the literary movements and authors’ purposes. The class will culminate with the EOC English Reading SOL test.

The English Department of Galax High School requires that students who sign up for honors English courses read teacher-selected books during the summer. This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide prior to leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the assignments and tests will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

English 12

Grade Level: 12

Prerequisites: Pass English 11

English 12 will require students to read and analyze a variety of British literature, as well as literature of other cultures. The students will produce expository and informational papers, which will be logically organized and contain clear and accurate ideas. The students will also produce a well-documented research paper using MLA documentation. Grammar and mechanics will be reviewed through writing and editing required papers. English 12 will also require students to plan and deliver a 5-10 minute oral presentation.

College English ENG 111/ENG 112

Grade Level: 12

Prerequisites: Minimum 3.0 GPA

This course develops writing ability for study, college work and other areas of life. Writings are based on experience, observation, research, and reading analysis of selected world literature. Students learn writing as a process: understanding audience and purpose, exploring ideas and information, composing, revision, and editing. Writing supports the integration of experiences in thinking, reading, listening, and speaking. The class is accredited through Wytheville Community College (WCC). Students will earn **six hours of college credit** upon successful completion of the course.

The English Department of Galax High School requires that students who sign up for honors English courses read teacher-selected books during the summer. This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and study guide prior to leaving school for the summer.

The reading material must be read by the first day of English class. Students will be assessed on the summer reading. Student scores on the assignments and tests will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the principal by July 1.

World Mythology

Grade Level: 9, 10, 11, 12

Prerequisites: None

In this course, students will concentrate on a variety of different mythologies through a study of literature and cultural histories. Origin stories, deities, and creatures will be studied through the poetry and prose from the regions. There will be a strong emphasis on nonfiction selections and writing that focuses on literary analysis. Students will complete research-based projects showcasing the impact these stories still have on the modern world.

Creative Writing

Grade Level: 10, 11, 12

Prerequisites: English 9; Passing scores on all English SOLs

This course will involve the writing of poetry, short stories, essays, and other literary genres. Students study techniques and are encouraged to examine their own writing styles. The students are graded according to their own writing and class contributions. The reading of fiction and non-fiction is also required. The fields of literary criticism and journalism may be explored.

Journalism

Grade Level: 11, 12

Prerequisites: English 10; Verified Credits in all English SOL assessments

A class in journalism involves the production and distribution of reports on events. The word journalism applies to the occupation, as well as citizen journalists who gather and publish information. Journalistic media include print, television, radio, and the internet. The class will produce articles related to the Galax school system and may include activities that occur outside of the school day.

Theater I

Grade Level: 9, 10, 11, 12

Prerequisites: None

Come explore the world of live theater! Students will learn the history of theater, common theater terms, various types of stages and productions, how to evaluate performances, and some technical aspects of the stage. Further, students will be required to perform whether as a part in an actual play or delivering monologues/duets in front of classmates. Watching and critiquing theatrical productions will also be a significant portion of the class.

Theater II

Grade Level: 10, 11, 12

Prerequisites: Theater I

This class is for students who want to learn more in-depth about acting, directing, etc. Students will be required to participate in actual productions and direct and produce shows.

Theater III

Grade Level: 11, 12

Prerequisites: Theater II

This course is designed to help students integrate and build upon concepts and skills acquired in Theater II. Students will investigate acting styles and the process of playwriting, which includes character development, research, dramatic structure, conflict, and resolution. Students will study and respond to a variety of theater experiences that will refine collaborative, analytical, interpretive, and problem-solving skills. Students will expand their artistic abilities and appreciation of theatrical art.

Theater IV

Grade Level: 12

Prerequisites: Theater III

This course is designed to help students refine the concepts and skills acquired in Theater Arts III while reinforcing the principles learned in Theater Arts I and II. Students will use research, performance, and evaluation to develop artistic criteria that will be applied to performance and directing. Students will study and respond to a variety of theater experiences, showcasing collaborative, analytical, interpretive, and problem-solving skills.

Yearbook/Publication

Grade Level: 10, 11, 12

Prerequisites: Application; Approval of Instructor

Photojournalism is an elective class. Students taking this class plan, design, and produce the school yearbook. Topics covered include journalistic writing, graphic design, fundamentals of yearbook layout design, and photography. Some after-school and weekend work is necessary. Students must apply for a position on the staff. Applications include teacher recommendations, attendance and discipline records, grades and a sample of student writing.

FAMILY & CONSUMER SCIENCE

Independent Living

Grade Level: 9, 10, 11, 12

Prerequisites: None

Independent Living is a single-block course in which the student learns life management skills in the areas of nutrition, clothing, housing, and household management. Focus is given on managing resources to achieve individual goals. Computer skills that enhance family and household management are included. Students will take the Workplace Readiness Skills for the Commonwealth Exam.

Nutrition and Wellness/Child Development & Parenting

Grade Level: 10, 11, 12

Prerequisites: Independent Living

Nutrition and Wellness is a 9-week class in which the student learns how to make healthy food choices that promote wellness and good health. Meal planning, preparation, and diet analysis are included.

Child Development & Parenting is a 9-week class that focuses on all aspects of child growth and development. Emphasis is given to parental responsibility, nurturing skills, and building positive relationships with children.

Students will take the Workplace Readiness Skills for the Commonwealth Exam.

HEALTH & PHYSICAL EDUCATION

Health and Physical Education 9

Grade Level: 9

Prerequisites: Health/PE 8

Physical Education Nine includes activities that enhance cardiorespiratory endurance, individual exercises, and team sports. Physical fitness is stressed throughout the year to enhance fitness scores. A variety of exercises and games are incorporated to improve these scores. The state physical fitness tests are given each quarter. Students in Health Nine will integrate a variety of health concepts, skills, and behaviors to plan for their personal, life-long health goals. The VDOE requires that all students be trained in emergency first aid, CPR, and the use of an AED, including hands-on practice of the skills necessary to perform cardiopulmonary resuscitation. This requirement will be met in the Health and PE 9 course.

Physical Education 10 and Driver Education

Grade Level: 10

Prerequisites: Health/PE 9

Physical Education 10 includes team sports and activities that enhance cardiorespiratory endurance. Physical fitness is stressed throughout the semester, as students do various exercises to improve their physical fitness levels. The state physical fitness tests are given each quarter. Classroom Driver Education studies are required instructional components. The Driver Education curriculum includes eleven modules developed by the Virginia Department of Education and is a requirement to obtain a Virginia driver's license.

Recreation Sports

Grade Level: 11, 12

Prerequisites: Health & Physical Education 9 and Physical Education 10

This course is designed for students who want to continue with physical education to improve physical fitness and mental well-being. This course will focus on leisure activities that can be enjoyed throughout life such as bowling, golf, tennis, pickle ball, etc.

Weightlifting

Grade Level: 9, 10, 11, 12

Prerequisites: None

This course is designed mainly to help athletes get faster, stronger, and be the best athlete they can be. The class will consist of two parts: weightlifting and skill development. This course is designed to allow students to learn weight training concepts and techniques used for obtaining optimal physical fitness. Students will benefit from comprehensive weight training and cardiorespiratory endurance activities. Students will learn the

fundamentals of weight training, strength training, aerobic training, and overall fitness training and conditioning.

MATHEMATICS

Possible Math Sequences

GRADE	OPTION 1 (Advanced Path)	Option 2	Option 3
7 th	Math 7	Math 7	Math 7
8 th	Algebra I	Math 8	Math 8
9 th	Geometry	Algebra I	Algebra I
10 th	Honors Algebra II	Geometry	Geometry
11 th	Trig & Precalculus	Honors Algebra II & Trig	AFDA or H. Algebra II
12 th	Calculus	Precalculus & Calculus	H. Algebra II or Trig

Algebra I

Grade Level: 9

Prerequisites: Pass Math 8

Algebra I is a traditional course that requires the student to use algebra as a tool for representing and solving a variety of practical problems, to use tables and graphs, to interpret algebraic expressions, equations, and inequalities, and to analyze behaviors of functions using appropriate tools.

Geometry

Grade Level: 9, 10, 11

Prerequisites: Algebra I or AFDA or Honors Algebra II

This course includes properties of geometric figures, trigonometric relationships, and reasoning to justify conclusions including paragraph proofs, two-column proofs, indirect proofs, coordinate proofs, algebraic methods, and verbal arguments. Inductive and intuitive approaches to proof as well as deductive reasoning will be used. Emphasis is placed on two- and three-dimensional reasoning skills, coordinate and transformational geometry, and the use of geometric models to solve problems.

Algebra Functions and Data Analysis

Grade Level: 9, 10, 11, 12

Prerequisites: Algebra I or Geometry

Within the context of mathematical modeling and data analysis, students will study functions and their behaviors, systems of inequalities, probability, experimental design and implementation, and analysis of data. Data will be generated by practical applications arising from science, business, and finance. Students will solve problems that require the formulation of linear, quadratic, exponential, or logarithmic equations or a system of equations.

Honors Algebra II

Grade Level: 10, 11, 12

Prerequisites: “A” average in Algebra I; Algebra I SOL considered; Teacher Recommendation

Honors Algebra II is a rigorous and in-depth treatment of advanced algebraic concepts through the study of functions, families of functions, equations, inequalities, systems of equations and inequalities, polynomials, rational and radical equations, complex numbers and sequences, and series. Emphasis will be placed on practical applications and modeling. Projects and homework will be an essential part of this class.

Trigonometry/Probability and Statistics

Grade Level: 10, 11, 12

Prerequisites: “C” in Geometry and Honors Algebra II

Trigonometry is the study of trigonometric definitions, applications, graphing, and solving equations and inequalities. Connections between right triangle ratios, trigonometric functions, and circular functions are emphasized. Emphasis will also be placed on oral and written communication concerning the language of mathematics, logic of procedure, and interpretation of results, along with applications and modeling of functions. This course may be taken along with Precalculus.

The second course is an introduction to the basic components of Probability and Statistics. One of the principle purposes of probability is to put a numerical measure on the “likelihood” that the result of an experiment will have a certain designated form. Statistics is concerned with the collection, presentation, analysis, and interpretation of sets of data. Topics will include permutations, functions, combinatorics, probability, statistics, algebraic systems, frequency distribution, measures of central tendency, standard deviation, and the standard normal curve.

Precalculus

Grade Level: 11, 12

Prerequisites: Geometry, Honors Algebra II and Trigonometry; Teacher Recommendation

Precalculus presents topics in polynomial, rational, exponential, logarithmic functions and systems, trigonometric functions, analytical geometry, and an introduction to conics.

Calculus

Grade Level: 12

Prerequisites: Precalculus; Teacher Recommendation

Calculus presents topics in limits, continuity, differentiation, and integration of algebraic, exponential, and logarithmic functions.

MUSIC

Marching Band I, II, III, IV

Grade Levels: 9, 10, 11, 12

Prerequisites: At least 2-3 years of musical study on a band instrument; Pass an audition and/or band Director recommendation; Be in good standing as a current band member

The marching band/symphonic band is the premiere instrumental group of GCPS. Participation in both bands is highly encouraged. As a member of the class, students will participate in marching band in the summer/fall and symphonic band in the spring.

Marching Band will begin once school is out for the summer, with events including but not limited to, rookie camp, summer rehearsals, full band camp (two weeks), parades (4th of July, Homecoming, Christmas), pep rallies, football games (regular season & playoffs), band competitions (3-4), after-school rehearsals, practice journals, etc.

Symphonic Band will begin in October/November once the competition season is over and continue until the end of the year. Events for symphonic band include but are not limited to practice journals, Christmas concert (counts as an exam), Concert Assessment, Pre-Assessment Concert, Spring Concert, Graduation (counts as an exam), etc.

Guitar I

Grade Level: 9, 10, 11, 12

Prerequisites: An interest in learning how to play the guitar!

This course introduces students to the fundamentals of music and guitar-playing techniques, such as strumming and chords. This course may also include more advanced guitar-playing techniques.

Guitar II

Grade Level: 10, 11, 12

Prerequisites: "B" average in Guitar I or audition

Guitar II is a one-semester course designed to provide a further understanding of the fundamentals of playing guitar. Open chords, barre chords, and first-position note reading are essential. Chords studied will include Jazz chords and note reading will be expanded to reading notes in five positions. Chord intervals will be studied as well as music theory in the form of building major scales in any key, Roman numeral analysis, transpositions, and modal soloing. Students will examine composition techniques, lyric writing, and singing while playing.

Chorus I, II, III, IV

Grade Level: 9, 10, 11, 12

Prerequisites: Interest in music and singing

This class is designed to improve each student's singing voice and develop the ability to sing successfully in front of others. During their course of study, they will be taught the fundamentals of healthy vocal production which includes the following: 1) proper posture and breathing to sing, 2) tone production, 3) diction, 4) expression, and 5) gaining confidence. Individual vocal problems will be assessed, and exercises will be given to help strengthen and improve the voice. Students will be singing together and for recordings as well as School Concerts and out-of-school performances as needed in the community. Interested students will be eligible to audition for high-level choral opportunities at the university and state levels. A wide variety of musical repertoire will be studied including classical, popular selections, and world music. Students will explore the role music plays in society, both present day and in the past. Students will build music literacy skills through the training of music reading and musical symbols, both traditional and non-traditional.

JROTC

Junior Reserve Officer Training Corp – Navy

The following courses will be taught at Grayson County High School

Seat availability will vary from year to year

JROTC I

Grade Level: 9, 10, 11, 12

Prerequisites: None

This course introduces students to the Navy Junior Reserve Officer Training Corps program, the importance of citizenship, the elements of leadership, the US government, and the value of scholarship in attaining life goals. Additional instruction includes: the principles of health and first aid, geography, orienteering, reading skills, survival skills, financial skills, and an overview of the US Navy, naval ships, and aircraft. The importance and promotion of a healthy lifestyle including physical fitness, proper diet, controlling stress, and drug awareness are pursued at the fundamental level.

JROTC II

Grade Level: 9, 10, 11, 12

Prerequisites: JROTC I

This course builds on the general introduction provided in Navy JROTC I to further develop the traits of citizenship and leadership, introduces cadets to the technical areas of naval science, the role of the US Navy in maritime history, and the vital importance of the world's oceans to the national security of the United States. An introduction to maritime history including the American Revolution, the American Civil War, the rise of the United States to world power status, World Wars I and II, the Cold War era, the 1990s, and conflict in the new millennium is provided. Additional instruction in the nautical sciences will include an introduction to maritime geography, oceanography, meteorology, astronomy, and physical science.

JROTC III

Grade Level: 11, 12

Prerequisites: JROTC II

This is the third in a series of four JROTC courses. It may be taken in grades 11 or 12. While still instructed in core areas such as leadership, fitness and wellness, these students will also be evaluated in each of the following subject areas: Naval knowledge, sea power and national security, the US Merchant Marine, naval operations, communications and intelligence, naval logistics, naval research and development, military law, international law, naval skills, ship construction and damage control, shipboard organization and watch-standing, seamanship, nautical rules of the road, navigation and time, the Maneuvering Board, naval gunnery, naval aircraft and missiles, public speaking/effective communications.

JROTC IV

Grade Level: 11-12

Prerequisites: JROTC III

This is the third in a series of four JROTC courses. It may be taken in grades 11 or 12. While still instructed in core areas such as leadership, fitness and wellness, these students will also be evaluated in each of the following subject areas: Naval knowledge, sea power and national security, the US Merchant Marine, naval operations, communications and intelligence, naval logistics, naval research and development, military law, international law, naval skills, ship construction and damage control, shipboard organization and watch-standing, seamanship, nautical rules of the road, navigation and time, the Maneuvering Board, naval gunnery, naval aircraft and missiles, public speaking/effective communications.

NURSING

The following courses will be taught at Grayson County High School
Seat availability will vary from year to year

Intro to Health and Medical Services

Grade Level: 11, 12

Prerequisites: None

This course introduces the student to a variety of healthcare careers and develops basic skills required in all health and medical sciences. It is designed to help students understand the key elements of the US healthcare system and learn basic healthcare terminology; anatomy and physiology for each body system, pathologies, diagnostic and clinical procedures, therapeutic interventions, and the fundamentals of traumatic and medical emergency care. Throughout the course, instruction emphasizes safety, cleanliness, asepsis, professionalism, accountability, and efficiency within the healthcare environment. Students also begin gaining job-seeking skills for entry into the health and medical sciences field. In addition, instruction may include the basics of medical laboratory procedures, pharmacology fundamentals, biotechnology concepts, and communication skills essential for providing quality patient care.

Nurse Aide I/II (2 Blocks)

Grade Level: 11, 12

Prerequisites: Intro to Health and Medical Services

Nursing Aide I/II is a two-block course that emphasizes the study of nursing occupations as related to the health care system. The course can be used as an introduction to practical nursing.

Practical Nursing I (PNE 141/155 PNE 142/173) (4 Blocks)

Grade Level: 12

Prerequisites: Algebra I; Biology; Chemistry

The practical nursing program is a dual credit course with Wytheville Community College. It is a five-semester program, two of which are taught during the senior year at Grayson County Career and Technical Education Center and three are taught post-graduation at Crossroads Center with clinical experience at local healthcare facilities.

SCIENCE

Biology I

Grade Level: 9, 10, 11, 12

Prerequisites: Physical Science

The study of Biology is divided into two parts: Part I includes study of the cell and its functions, cell division (mitosis and meiosis) and DNA replication; processes of the cell: photosynthesis, nutrition acquisition and requirements, respiration, protein synthesis, reproduction, etc. Part II concentrates on the principles of genetics, human heredity, classification and variation of organisms and evolution, bacteria and infectious diseases and the use of vaccines and serum, antibiotics and chemotherapy in their treatment, and study of invertebrates. If students earn a passing score on the Biology SOL, it will stand as the final exam for this course.

Honors Biology I

Grade Level: 9, 10, 11

Prerequisites: Verified credit in Physical Science; Passing score on the most recently completed math SOL

Honors Biology is designed for the disciplined student to entertain more difficult course work than standard Biology I. Biology studies life. Major areas covered in Honors Biology I relevant to the standards of learning are molecular biology, cellular biology, genetics, ecology, and human anatomy. If students earn a passing score on the Biology SOL, it will stand as the final exam for this course.

Earth Science

Grade Level: 10, 11, 12

Prerequisites: Biology I

Earth Science is designed to present to the student the most modern principles and concepts of earth and space science. The main topics include a study of the universe and its origin; the solar system; the earth's history, composition, and features; weathering, erosion, and climates; the atmosphere and hydrosphere; and man's interaction with his environment.

Honors Earth Science

Grade Level: 10, 11, 12

Prerequisites: Verified credit in Biology

Honors Earth Science is designed to present a more in-depth study of earth and space science's most modern principles and concepts. The main topics include a study of the universe and its origin; the solar system; the Earth's history, composition, and features; weathering, erosion, and climates; the atmosphere and hydrosphere; and man's interaction with his environment. Honors Earth Science will stress a more in-depth understanding of the principles and concepts of Earth Science through the use of literature (fiction and nonfiction) and professional journals. A final project will be required.

Biology II: Ecology

Grade Level: 11, 12

Prerequisites: Biology and Earth Science

This course will include, but will not be limited to, the study of the dynamic earth, ecosystems, organization of life, human population, biodiversity, atmosphere, climate, and energy resources among other ecological interactions. Concepts taught will be put to use in everyday activities in the school community.

Biology II: Anatomy/Physiology

Grade Level: 11, 12

Prerequisites: Verified credit in Biology

This course provides a college-level understanding of what the parts of the body are and how they work together. The emphasis is on normal structure (anatomy) and function (physiology).

Chemistry

Grade Level: 11, 12

Prerequisites: Minimal grade of "C" and a verified credit in Biology; Minimal grade of "C" and a verified Credit in Algebra I; Geometry

This course deals with the basic concepts of general chemistry. Topics covered in the lecture are the metric system, composition of matter, chemical and physical changes, structure of the atom, periodic table and properties of elements, chemical bonding, writing of formulas, significance of chemical formulas, balancing of equations, types of equations, stoichiometric relations (mathematics of chemistry), liquid, solids, water, the solution process, ionization, the Gas Laws, and a survey of organic chemistry.

Forensic Science

Grade Level: 11, 12

Prerequisites: Verified credit in Algebra I; Verified credit in Biology: One additional science course

This course focuses on the skills and concepts behind crime scene investigation and forensic science. Whether you desire to be a crime scene investigator forensic pathologist, or some other medical scientist, this course will help you hone your investigative skills and review a wide range of science concepts. You will review physics, chemistry, anatomy, cell biology, environmental science, and computer science in the process of learning about forensic science. You will engage in lectures, put science to use by doing labs, case studies, online activities, and receive real-world scenario-based experience through professional visits as part of this course.

Meteorology

Grade Level: 11, 12

Prerequisites: Earth Science; Verified credit in Biology

This is a survey course that will examine in detail meteorology, the science dealing with lower atmosphere. Special emphasis is placed on computer technology in making weather observations, data collection, and forecasting. Students will analyze present weather conditions and formulate forecasts. Topics include the movement of air masses, global climate changes, the effects of air pollution, and weather-related phenomena. An understanding of convection currents, pressure changes, and cloud development will be applied through the study of weather. Course content will include topics strongly tied to forecasting, such as instrumentation, large-scale weather systems, winds, and precipitation. Special emphasis will be placed on severe weather and students will track the events as they unfold both locally and across the U.S.

Astronomy

Grade Level: 11, 12

Prerequisites: Earth Science; Verified credit in Biology; Algebra II

This course is the study of our universe. Topics that will be studied will include the life cycles of stars, cosmological theories, our solar system, and recent discoveries. Laboratory investigations will include topics such as stellar classification, star charts, spectra, and parallax. In addition, there will be opportunities to observe the night sky.

Physics

Grade Level: 11, 12

Prerequisites: Trigonometry/Statistics

Physics explores the fundamental principles of physics covering mechanics, thermodynamics, wave phenomena, electricity and magnetism, and selected topics in modern physics.

SPECIAL EDUCATION

Learning Strategies I – IV

Grade Level: 9, 10, 11, 12

Prerequisites: Teacher Recommendation

This course is available to students who have a current Individualized Educational Plan (IEP) and who need academic support and/or positive behavioral support to compensate for learning differences. Students are placed into the Learning Strategies course as outlined in their IEP. Special Education teachers provide review and re-teaching of key concepts in other classes, support for organizational, study, and planning skills and strategies, standardized test preparation, and monitoring of work completion and comprehension. The goals of the Learning Strategies course are to maximize student access to available programs at Galax High School, to assist students in reaching their fullest potential, and to support students in their efforts to effectively transition to post-secondary opportunities, including college, technical schools, or career options.

Functional Skills I-IV

Grade Level: 9, 10, 11, 12

Prerequisites: Teacher Recommendation

This course is designed to incorporate functional skills, promote the transfer of skills, and to foster the growth of appropriate social skills. Experiences in the prevocational and vocational areas and independent living are emphasized daily.

Career Awareness and Transition I

Grade Level: 11, 12

Prerequisites: Teacher Recommendation

This course is designed for students not enrolled in general education courses. Students will learn a career-planning process, assess their abilities, analyze those abilities, and make realistic decisions regarding career options. Students will be exposed to a variety of career options and hands-on work experiences. They will learn to set goals and follow through with goal attainment. Additionally, students will learn appropriate work behaviors and habits, understand the job application process, and participate in the interview process.

Career Awareness and Transition II

Grade Level: 11, 12

Prerequisites: Teacher Recommendation

This course will continue with information and skills started in Career Awareness and Transition I and build upon those concepts.

English Skills I – IV

Grade Level: 9, 10, 11, 12

Prerequisites: Teacher Recommendation

This course is designed for students who are not enrolled in a general education English class. The class reinforces language arts skills and supports deficit areas with specialized instruction and a modified curriculum as determined by the Individualized Education Plan (IEP).

Math Skills I – IV

Grade Level: 9, 10, 11, 12

Prerequisites: Teacher Recommendation

This course is designed for students who are not enrolled in a general education Math class. The class reinforces math skills and supports deficit areas with specialized instruction and a modified curriculum as determined by the Individualized Education Plan (IEP).

Science Skills I – IV

Grade Level: 9, 10, 11, 12

Prerequisites: Teacher Recommendation

Science Skills is a course composed of the following three strands: Life Science, Earth Science, and Physical Science. Course objectives are designed to ensure students are exposed to critical information that will make them better informed and more productive citizens. Students in this course are not currently enrolled in general education science courses.

Social Studies Skills I – IV

Grade Level: 9, 10, 11, 12

Prerequisites: Teacher Recommendation

Social Studies is composed of the following three strands: Geography, U.S. History and Government. Course objectives are designed to ensure students are exposed to critical information that will make them better informed and more productive citizens. Students in this course are not currently enrolled in general education social studies courses.

Adaptive Physical Education

Grade Level: 9, 10, 11, 12

Prerequisite: Teacher Recommendation

This class provides developmentally appropriate physical education by adapting or modifying the health and physical education course to meet the individualized needs of students with disabilities.

SOCIAL STUDIES

World History & Geography to 1500 (World History I)

Grade Level: 9, 10, 11, 12

Prerequisites: World Geography

The study of World History and Geography to 1500 enables students to explore the historical development of people, places, and patterns of life from ancient times in terms of the impact on Western civilization. The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however, requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision-making. These skills are developed through use of maps, pictures, narratives, and a variety of graphic organizers.

World History & Geography from 1500 to Present (World History II)

Grade Level: 9, 10, 11, 12

Prerequisites: World Geography and/or World History I

The study of World History and Geography enables students to examine history and geography from 1500 A.D. (C.E) to the present, with emphasis on Western Europe. Geographic influences on history will continue to be explored but increasing attention will be given to political boundaries that developed with the evolution of nations. Significant attention will be given to how scientific and technological revolutions created new economic conditions that in turn produced social and political changes. Noteworthy people and events of the nineteenth and twentieth centuries will be emphasized for their strong connections to contemporary issues. The study of history rests on knowledge of dates, names, places, events, and ideas. Historical understanding, however, requires students to engage in historical thinking, raise questions, and marshal evidence in support of their answers. Students engaged in historical thinking draw upon chronological thinking, historical comprehension, historical analysis and interpretation, historical research, and decision-making. These skills are developed through use of maps, pictures, narratives, and a variety of graphic organizers.

Virginia & United States History

Grade Level: 11

Prerequisites: World History I or World History II

The study of Virginia and United States History includes the historical development of American ideas and institutions from the Age of Exploration to the present. While focusing on political and economic history, the course provides students with a basic knowledge of American culture through a chronological survey of major issues, movements, people, and events in the United States and Virginia history. Students should use historical and geographical analysis skills to explore in depth the events, people, and ideas that fostered our national identity and led to our country's prominence in world affairs. The study of history must emphasize the intellectual skills required for responsible citizenship. Students practice these skills as they extend their understanding of the essential knowledge defined by the standards of history and social science.

College U.S. History HIS 121/HIS 122

Grade Level: 11, 12

Prerequisites: 3.0 GPA

HIS 121 United States History I: Surveys United States history from its beginning to the present. Students will earn three hours of college credit.

HIS 122 United States History II: Surveys United States history from its beginning to the present. Students will earn three hours of college credit.

Students will earn six hours of college credit for this course.

United States Government

Grade Level: 12

Prerequisites: World History I/World History II; United States History

The study of Virginia and United States Government provides the background of knowledge that enables citizens to participate effectively in civic and economic life. Students will examine fundamental constitutional principles, the rights and responsibilities of citizenship, the political culture, the policy-making process at each level of government, and the operation of the United States market economy. The standards identify the personal character traits that facilitate thoughtful and effective participation in the civic life of an increasingly diverse democratic society. Civic education also must emphasize the intellectual skills required for responsible citizenship. Students will practice these skills as they extend their understanding of the essential knowledge defined by the standards for Virginia and United States Government. This course is a study of the American constitutional system of government at the local, state, and national levels.

Honors United States Government

Grade Level: 12

Prerequisites: World History I/World History II; Minimum "B" average in US History; Teacher Recommendation

This course is the advanced study of the American constitutional system of government with special attention on the government of Virginia. Students will be expected to use the background knowledge of civic and economic life to wrestle with the fundamental constitutional principles, the rights and responsibilities of citizenship the political culture, the policy-making process at each level of government (local, state, federal), and the operation of the United States market economy. As with any civic education, emphasis will be placed on the intellectual skills required for responsible citizenship. Students will exercise these skills in activities that will include role-playing, current affairs, and research projects.

The Social Studies Department of Galax High School requires the students who are enrolled in Honors US Government to read a teacher-selected book. This is an advanced class in which the students are asked to study challenging issues and materials. It is the responsibility of the student to acquire the reading material and the study guide before the class begins. The reading material must be read by the first day of the Honors US Government class. Students will have a test or a project based on this reading. Student scores on the test/project will weigh heavily on the first nine weeks grading period. Requests for alternate reading material must be filed with the Principal by July 1.

STEM

Science, Technology, Engineering, Math

Technology of Robotic Design

Grade Level: 9, 10, 11, 12

Prerequisites: None

Students will engage in the study of robotic systems and their applications. Students will apply the engineering design process and explore topics including programming, electrical and mechanical concepts, and control systems. Learning and problem-solving activities will challenge students to design, build, and program robotic systems. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to student's career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Engineering Exploration I

Grade Level: 9, 10, 11, 12

Prerequisites: Robotic Engineering I

In Engineering Explorations I, students examine technology and engineering fundamentals to solving real-world problems. Students investigate engineering history, including major engineering accomplishments, and their effect on society. They also examine engineering specialty fields and their related careers. Students practice engineering fundamentals and apply the engineering design process through participation in hands-on engineering projects. Students communicate project-related information through presentations, proposals, and technical reports. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to student's career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

WELDING

Welding courses will take place on the WCC Crossroads Institute campus.

Welding I (SAF 127/WEL 100/WEL 123/WEL 150 (2 Blocks)

Grade Level: 11, 12

Prerequisites: 2.0 GPA

SAF 127: (Fall Semester) Industrial Safety provides a basic understanding of safety and health in an industrial situation. This course includes hazardous materials, substances, conditions activities, and habits as well as the

prescribed methods and equipment needed for the apprentice to protect himself/herself and others. Students will earn **two college credits** from Wytheville Community College.

WEL 100: (Fall Semester) Fundamentals of Welding introduces electric and gas welding and cutting. Provides fundamental principles of joining ferrous and non-ferrous metals, welding cutting processes, equipment operation, and safety procedures with emphasis on welding and cutting procedures. Students will earn **three college credits** from Wytheville Community College.

WEL 123: (Spring Semester) Shielded Metal Arch Welding (Basic) teaches the operation of AC and DC power sources, welding polarities, heats, and electrodes for use in joining various metal alloys by the arch welding process. Deals with running beads butt, and fillet welds in all positions. Emphasizes safety procedures. Students will earn **three college credits** from Wytheville Community College.

WEL 150: (Spring Semester) Welding Drawing and Interpretation teaches fundamentals required for successful drafting as applied to the welding industry. Includes blueprint reading, geometric principles of drafting and freehand sketching, basic principles of orthographic projections, preparation of drawings, and interpretation of symbols. Students will earn **three college credits** from Wytheville Community College.

Welding II WEL 160/WEL 164 (2 Blocks)

Grade Level: 12

Prerequisites: "C" average in Welding I

WEL 160: (Fall Semester) Gas Metal Arc Welding introduces semi-automatic welding processes with an emphasis on practical application. Includes the study of filler wires, fluxes, and gases. Students will earn three college credits from Wytheville Community College.

WEL 164: (Spring Semester) Tungsten Inert Gas (TIG) introduces practical operations in the use of tungsten arc welding and equipment. Studies equipment operation setup, safety, and practice of Gas Tungsten Arc Welding (GTAW) and tungsten Inert Gas (TIG). Students will earn three college credits from Wytheville Community College.

WORLD LANGUAGES

American Sign Language I Virtual Course Year Long (2Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: None

This course introduces the basic skills in the production and comprehension of American Sign Language (ASL). The course focuses on the alphabet, numbers, fingerspelling, vocabulary, and grammar which will lead to increased communicative and cultural proficiency in ASL. The culture, history current events and traditions of the deaf community are introduced through selected readings, visual recordings, and other authentic materials. Each student should be able to carry on a short conversation with another student by the end of the course. Also, students will develop the practical skills and knowledge necessary for basic interactions within the deaf community.

American Sign Language II Virtual Course Year Long (2Blocks)

Grade Level: 10, 11, 12

Prerequisites: American Sign Language I

In this course, students will build upon the skills that were taught in American Sign Language I and continue to increase their ability to comprehend and respond with increasing accuracy to expressive American Sign Language. ASL II provides basic instruction in production and comprehension, vocabulary, and grammar and eventually leads to increased communicative and cultural proficiency in ASL. Emphasis is placed on the progressive development of expressive and receptive skills. The culture, history, current events, and traditions of the deaf community are introduced on the appropriate level through selected readings, visual recordings, and other authentic materials. Students can converse with other students or individuals within the deaf community, emphasizing appropriate language used in common communication settings.

American Sign Language III Virtual Course Year Long (2Blocks)

Grade Level: 10, 11, 12

Prerequisites: American Sign Language II

In this course, students will build upon the skills that were taught in ASL II and continue to increase their ability to comprehend and respond with increasing accuracy to expressive American Sign Language. ASL III provides advanced instruction in production and comprehension, vocabulary, and grammar, leading to increased communicative and cultural proficiency in ASL. Emphasis is placed on the progressive development of expressive and receptive skills.

French I Virtual Course Semester or Year Long (2 Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: None

French I students will begin their study of French by developing the five major skills of listening, speaking, reading, writing, and cultural competency. Students will study the richness of culture in Francophone countries, comparing and contrasting the habits of the Francophone people to our own, while expanding their vocabulary, communication, and grammar skills.

French II Virtual Course Semester or Year Long (2 Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: French I

French II students continue to build on the skills from the first level of their study of French by developing the five major skills of listening, speaking, reading, writing, and cultural competency. Students will study the richness of culture in Francophone countries, comparing and contrasting the habits of the Francophone people to our own, while expanding their vocabulary, communication, and grammar skills. Students are expected to speak and write in French as much as possible, and assessments will be in French.

French III Virtual Course Year Long (2 Blocks)

Grade Level: 10, 11, 12

Prerequisites: French II

French III students continue to build on the skills from the two previous levels of their study of French by developing and refining the five major skills of listening, speaking, reading, writing, and cultural competency. Students will study the richness of culture in Francophone countries, comparing and contrasting the habits of the Francophone people to our own, while expanding their vocabulary, communication, and grammar skills. Students are expected to speak and write in French as much as possible, and assessments will be in French.

Latin I Virtual Course Semester or Year Long (2 Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: "B" in the previous year's English class

Latin I is an introduction to the language, culture, and history of the Ancient Romans. The course focuses on Latin grammar, vocabulary, and translation with minimal focus on history, culture, and pronunciation. Latin I offers students a unique opportunity to appreciate the continued influence of the Roman world on our culture, language, history, and government.

Latin II Virtual Course Semester or Year Long (2 Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: "C" in Latin I

This course is a continuation of studies begun in Latin I. Students will review and build on skills such as vocabulary, grammar, translation, and culture. Continued emphasis on grammar, vocabulary, and grammatical constructions build on Latin I knowledge. One of the goals of Latin II is a true rendering of Latin passages into English that relays the sense of Latin.

Latin III Virtual Course Year Long (2 Blocks)

Grade Level: 10, 11, 12

Prerequisites: "C" in Latin II

Latin III builds upon the grammar, vocabulary, and English derivatives learned in Latin I and II and introduces Latin prose and poetry through readings by Caesar, Cicero, Ovid, Catullus, and Vergil.

Spanish I

Grade Level: 9, 10, 11, 12

Prerequisites: "C" average in English in the previous year

The emphasis of Spanish I is on pronunciation, vocabulary development, basic conversational skills, and mastery of simple grammar through lively classroom activities. Students will be introduced to the geography of the Spanish-speaking world, and various aspects of popular Hispanic culture through their textbook, CDs, DVDs, and computer activities.

Spanish II

Grade Level: 9, 10, 11, 12

Prerequisites: “C” average in Spanish I; Teacher Recommendation

Spanish II is a continuation of Spanish I. Students explore a new level of Spanish which increases understanding of the Hispanic culture, geography, and popular cultural themes through comparisons of traditional practices in Spanish-speaking countries and the United States. Students make connections with other subject areas, develop a deeper understanding of the English language, and become increasingly aware of the need to communicate across communities.

Spanish III

Grade Level: 9, 10, 11, 12

Prerequisites: “C” average in Spanish II; Teacher Recommendation

Spanish III challenges students to use their skills by using personalized conversations, creative writing, reading Hispanic literature, media, entertainment, and technology. Students strengthen their knowledge of English through comparing, contrasting, and the study of increasingly complex elements of the Spanish language. Students relate topics in other subject areas by observing Hispanic Arts, and Hispanic music, and discussing historical and contemporary events and issues of Spanish-speaking countries.

Spanish for Native Speakers Level I

Grade Level: 9, 10, 11, 12

Prerequisites: Spanish must be the first language

This course will focus on literary analysis, cultural studies, and basic Spanish grammar, including simple present tense, present progressive tense, and the past tense (preterit and imperfect) in Spanish. The course will be delivered in Spanish and all instructional materials will be written in Spanish.

Spanish for Native Speakers Level II

Grade Level: 9, 10, 11, 12

Prerequisites: “C” average in Spanish for Native Speakers Level I

This course is a continuation of Spanish I for Native Speakers. Students make further discoveries of the Spanish-speaking world and literature. More advanced grammar will be covered, including perfect tenses with a review of the preterit and imperfect past tenses. The course will be delivered in Spanish and all instructional materials will be written in Spanish.

Spanish for Native Speakers Level III

Grade Level: 10, 11, 12

Prerequisites: “C” average in Spanish for Native Speakers Level II

This course challenges Spanish-speaking students to use the Spanish language to explore other content areas and conduct investigative literary research. Students will review advanced Spanish grammar, including the subjunctive tense. This course will be delivered in Spanish and all instructional materials will be written in Spanish.

ENGLISH FOR MULTILINGUAL LEARNERS

Newcomer English for Multilingual Learners (EML I)

Grade Level: 9, 10, 11, 12

Prerequisites: Identified by ACCESS or WIDA Screener; Test as an EL level 1.0-1.9

The purpose of the Newcomer English for Multilingual Learners class at GHS is to help beginning-level English Language Learners communicate socially and academically in English as quickly as possible through ESL education and to help those students become successful in their school programs. Instruction will also strive to help those students adjust culturally to life in the United States.

English II for Multilingual Learners (EML II)

Grade Level: 9, 10, 11, 12

Prerequisites: Identified by ACCESS or WIDA Screener; Test as an EL level 2.0-2.9

The purpose of the English II for Multilingual Learners class at GHS is to continue to instruct English Language Learners in the English language by concentrating on content vocabulary study. Greater emphasis is placed on reading and writing skills. Also, content area classes are closely monitored and content area instruction is scaffolded and reinforced.

English III for Multilingual Learners (EML III)

Grade Level: 9, 10, 11, 12

Prerequisites: Identified by ACCESS or WIDA Screener; Test as an EL level 3.0-4.4

In this advanced English language acquisition course, students will focus on content vocabulary and academic language structures. Emphasis will be on reading and writing to support learning in content areas.

ADDITIONAL VIRTUAL COURSES

For specific interests, check with your school counselor for virtual course availability.

Computer Science Foundations Semester or Year Long (2 Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: None

This course provides an emphasis on computer programming within the context of broader concepts of computer science. The course builds on the concepts of computer science developed in prior grade levels. The course provides a transition from block-based programming to a text-based programming language and familiarizes the student with developing and executing computer programs. Programmable computing tools are used to facilitate the design, analysis, and implementation of computer programs. Students will use these tools for exploring and creating computer programs, facilitating reasoning and problem-solving, and verifying solutions.

Computer Science Principles Semester or Year Long (2 Blocks)

Grade Level: 9, 10, 11, 12

Prerequisites: Computer Science Foundations

This course builds on the concepts introduced in the Computer Science Foundations course. Students in this course will expand their programming skills and begin to think about and analyze their problem-solving process. Students will continue to develop the ideas and practices of computational thinking and consider how computing impacts the world. Programmable computing tools are used to facilitate the design, analysis, and implementation of computer programs. Students will use these tools for exploring and creating computer programs, facilitating reasoning and problem-solving, and verifying solutions.

Computer Science Programming with JAVA Semester

Grade Level: 10, 11, 12

Prerequisites: Computer Science Principles

This course builds on the concepts introduced in the Computer Science Foundations and Computer Science Principles courses. Using the JAVA programming language, this course continues the study of computer programming and prepares students to write programs of increasing complexity to solve problems of personal interest and professional relevance in a variety of technical fields. Additionally, this course provides the knowledge and experience to prepare students for further studies in computer science. The majority of this course will address algorithms and programming.

Computer Science Programming with PYTHON Semester

Grade Level: 10, 11, 12

Prerequisites: Computer Science Principles

This course builds on the concepts introduced in the Computer Science Foundations and Computer Science Principles courses. Using the PYTHON programming language, this course continues the study of computer programming and prepares students to write programs of increasing complexity to solve problems of personal interest and professional relevance in a variety of technical fields. Additionally, this course provides the knowledge and experience to prepare students for further studies in computer science. The majority of this course will address algorithms and programming.

Cybersecurity Fundamentals Semester

Grade Level: 9, 10, 11, 12

Prerequisites: None

We depend more and more on the technologies we interact with every day and we put more and more of our data out there online. Can all that data be kept “secret”? We all need to know more about protecting our personal information especially given how much we rely on and use our network devices and media. You’ll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You’ll also dive into the tools, technologies, and methods that will help protect you from an attack and discover any opportunities in the rapidly growing field of cybersecurity.

Cybersecurity Operations Semester

Grade Level: 9, 10, 11, 12

Prerequisites: Cybersecurity Fundamentals

Ever wonder what it's like to be a hacker? Or think about who is trying to steal your passwords while you are shopping online using free Wi-Fi at your local coffee shop. Unmask the cybersecurity threats around you by understanding hackers and identifying weaknesses in your online behavior. Learn to avoid the various types of cyber-attacks, including those on your social media accounts, and to predict the potential legal consequences of sharing or accessing information that you do not have rights to. Dig into these crimes in depth by looking at cyber forensics and other cybersecurity careers. In a world where such threats have no boundaries cybersecurity will undoubtedly play an increasingly larger role in our personal and professional lives in the years to come.

GOVERNOR'S SCHOOLS

Southwest Virginia Governor's School

Grade Level: 11, 12

Prerequisites: Standardized test scores: 90th percentile or above; SOL scores 400 or greater; Science and math Course grades; PSAT/SAT scores: 90th percentile or above; Consistent attendance; Teacher and Counselor recommendations; Completion of Algebra I and Algebra II (completion of Geometry preferred); Galax City School Board approval

The Southwest Virginia Governor's School (SWVGS) is one of only nineteen Academic Year Governor's Schools in Virginia. SWVGS allows students to take responsibility for their learning, develop their identities, and prepare for their futures. SWVGS provides challenging academic courses as well as changes to participate in real-world opportunities while encouraging students to explore connections between mathematics, science, and technology. All students have the experience of conducting and presenting an independent research project and learn how to make contributions to the scientific community. The experience of being a Governor's School student reaches beyond the classroom. Students leave with more than just knowledge because the SWVGS motivates students to compete and stretch beyond previous limits. SWVGS prepares students for future academic competition in college, shortens time to undergraduate degree completion, and prepares students for math and science careers.

A Linwood Holton Governor's School

Grade Level: 11, 12

Prerequisites: Gifted Designation; 3.2 GPA; No D's or F's on transcripts; class rank in top 30%; Successfully Passing VPT test for community college; College preparatory coursework on student's transcript; School Counselor recommendation; Principal recommendation; Galax City School Board approval.

A Linwood Holton is a virtual Governor's School. Using sophisticated distance learning and Internet-based telecommunications technologies to deliver an advanced curriculum especially designed for gifted and talented students in their home schools, the A Linwood Holton Governor's School fills a unique need in a very

innovative way. Students use “state of the art” software to attend classes, listen to lectures, participate in discussions, complete lab activities, etc. – from their home school.

SCHOOL COUNSELING PROGRAM

The Galax City School Board affirms that parents are the student’s first teachers and that the public schools should serve to strengthen family and parental support. No student will be required to participate in any counseling program to which the student’s parents object.

For this policy, the following definitions apply:

1. Academic Guidance - Guidance assists students and their parents in acquiring knowledge of the curriculum choices available to students, planning an individual program of studies, arranging and interpreting academic testing, and seeking post-secondary academic opportunities.
2. Career Guidance - Guidance helps students acquire information and plan action about work, jobs, apprenticeships, and post-secondary educational and career opportunities.
3. Personal/Social Counseling - Counseling assists a student in developing an understanding of themselves, the rights and needs of others, how to resolve conflicts, and how to define individual goals, reflecting their interests, abilities, and aptitudes. Such counseling may be provided whether (i) in groups in which generic issues of social development are addressed or (ii) through structured individual or small group multisession counseling which focuses on the specific concerns of the participant(s).

It is the policy of the Galax City School Board with respect to personal/social counseling that parents will notify the school division in writing if the student is not to participate in the personal/social counseling program.

Counseling techniques that are beyond the scope of the professional certification or training of school counselors including hypnosis or other psychotherapeutic techniques used to treat psychopathology, are prohibited.

NOTES

The Galax City School System does not discriminate on the basis of race, color, religion, age, sex, disability, national origin, or marital status in its practices or programs.

