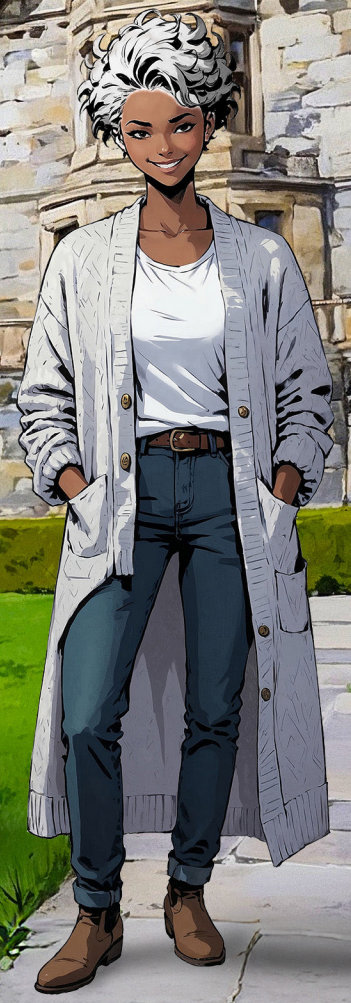




SALEM HIGH SCHOOL

VOL. #
2025-26

REGISTRATION GUIDE



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Introduction

This guide is designed to enable students and parents to make informed decisions regarding a program of study and to prepare for the lifelong career decision-making process.

The registration process is an important matter. For students, course selections formulate a student's program of study for the next school year. This program must consider current academic progress and future goals for the student. For schools, course requests guide staffing and budgetary decisions. Therefore, a student's requests cannot be made in a rushed or whimsical manner. Course requests represent a commitment to meet the prerequisites by finishing the current school year with the best possible grades and to follow the program of study agreed upon during spring registration with equal academic effort.

Inevitably, some changes are required when a prerequisite is not met or when an elective choice made by a student is not available. **Changes in a student's schedule will not be made prior to the opening of school simply to accommodate a change of mind.** Doing so runs the risk of overloading classes for the vast majority of students that seek to fulfill their registration commitment. Parents and students are encouraged to take their time, consult with teachers and counselors, and make sound decisions. If you have questions regarding the process, please contact your student's counselor.

General Registration Instructions

1. Students select courses they wish to take, making sure they meet all prerequisites, and register with their counselor.
2. Students should review course selections with parents and counselors to determine consistency with educational and career plans.
3. Parents sign registration form noting approval of course selections.
4. Students who fail to register will have courses selected by school counselors.
5. Students and parents should remember during the registration process that students will not be allowed to drop a dual-enrolled/Honors/CP/ AP course during the first four weeks of the school year.

Students who do not meet prerequisites at the end of the school year and who do not attend summer school will have their schedules adjusted by the school counseling department.

Note: Course offerings, including dual enrollment options, are contingent upon sufficient enrollment and staffing.

Drop/Add Guidelines

Adding a Course

Students may not add full year or semester courses after the first seven days of a semester.

Dropping a Course (Withdrawal Policy)

A student interested in dropping a course should request a Drop Request Form from the counseling office. The parent/guardian, the teacher of the class, and the student must sign the form. The student is responsible for returning the signed form to his or her school counselor, who will make a recommendation to the administration.

PLEASE NOTE: NOT ALL DROP REQUESTS WILL BE APPROVED.

The following restrictions apply:

- A course dropped before the end of the 1st Five weeks of the course will not appear on the transcript or be calculated in the GPA.
- A course dropped after the 1st Five weeks of the course appears as "W" (withdrawal) on the transcript and will not be calculated in the GPA.

Students are not permitted to drop a course during the last nine weeks of the course.

Withdrawal from College Prep (CP), Honors, AP, or Dual Enrolled Courses

Students registering for these courses are required to stay in the course for at least 4 weeks. If a student decides to drop such a course after 4 weeks, there is no guarantee the student will be able to transfer to a new course. Study hall might be the only option. Keep this in mind when registering.

By registering for an advanced course, the student and parent/guardian agree to abide by the Commitment to Advanced Programs of Study (page 6).

Attention Athletes - Take 5 Pass 5

Student athletes are eligible for sports only if they passed 5 courses during the previous semester and are currently enrolled in 5 new courses. Repeat classes do **not** count in this total. If a student drops a class during a semester leaving fewer than 5 courses in his or her schedule, the athlete is immediately ineligible to participate in sports that semester and the following semester. First-time freshmen are eligible fall semester regardless of grades the previous semester.

Graduation Credits

Denial of Credit

Students with excessive absences could be denied credit. Standards of student attendance and consequences for unsatisfactory attendance are a part of the Salem City School Board Attendance Policy.

Standard Unit of Credit

A Standard Unit of Credit in a course that does not have an end-of-course SOL test is earned by a student who successfully completes a course with a grade of "D" or better and maintains good attendance. **In courses having a required end-of-course SOL test, a student must also pass the SOL test to receive a verified unit of credit.**

Verified Unit of Credit

Verified Unit of Credits are earned by completing a course that has a required end-of-course SOL test with a grade of "D" or better, passing the end-of-course SOL test, and maintaining good attendance.

Graduation Credits in Middle School

High school courses taught at the middle school are the same as courses taught at the high school and carry the appropriate high school credit and SOL requirements.

Grades Dropped at the Middle School

A course having the grade dropped at the middle school may not be used as a prerequisite for a course at the high school. Example: If parents elect to have a French 1 grade dropped from the middle school transcript before entering high school, French 2 could not be taken until French 1 had been repeated.

Student Promotion

A. Promotion for grade classification purposes is based upon the total number of credits accumulated as follows:

Sophomore.....5 credits
Junior 11 credits
Senior..... 17 credits

B. Transfer students from other schools will be evaluated on an individual basis. Transfer students who take courses from VWCC will have those credits accepted at SHS only if the course has been pre-approved, qualifies as a 100 or 200 level course, and if VWCC awarded credit. For example, Algebra 2 at VWCC is remedial and credit is not awarded at VWCC or at SHS. This policy does not apply to dual-enrollment courses at SHS. Credit earned from online academic programs must have prior approval from the principal.

Graduation Requirements

Requirements for Graduation

The requirements for a student to earn a diploma from a Virginia high school shall be those in effect when that student enters the ninth grade for the first time.

Diploma Requirements

1. Must earn the units of credit described in Table 1 for a Standard Diploma and Table 2 for an Advanced Diploma.
2. Students may receive one locally awarded verified credit (LVC) towards their standard diploma. Students working towards a standard diploma that have a 504 plan or an IEP do not have a limit on the number of Locally Awarded Verified Credits.

A LVC may be awarded if
 - a) The student passed the course.
 - b) The student has taken the required end-of-course SOL test at least two times.
 - c) The student achieved a minimum score of 375 on at least one of the attempt
3. Students shall (i) complete Advanced Placement, honors, or dual enrollment course; or (ii) complete a high-quality work-based learning experience,; or (iii) earn a career and technical education credential.

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Standard Diploma Requirements

Students who complete the requirements for a Standard Diploma with an average grade of “A” (3.5 gpa or higher) will receive a Board of Education Seal on the diploma.

Table 1: Credits Required for Graduation: Standard Diploma

Discipline Area	Standard Units Required	Verified Credits Required
English	4	2
Mathematics ¹	3	1
Laboratory Science ²	3	1
History and Soc. Sciences ³	3	1
Health and Phys. Ed.	2	
W. Lang, Fine Arts or CTE	2	
Electives ⁴	4	
Econ and Personal Finance	1	
Total	22	5

¹Mathematics:

Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least two course selections from among: Algebra 1, Geometry, Algebra 2, or other mathematics courses above the level of algebra and geometry. The Board may approve additional courses to satisfy this requirement. (Computer Math has been approved for meeting the Standard Diploma for students who are a CTE completer.)

²Science:

Courses completed to satisfy this requirement shall include course selections from at least two different science disciplines: earth science, biology, chemistry, or physics. The Board may approve additional courses to satisfy this requirement.

³History & Social Science

Courses completed to satisfy this requirement shall include U.S. & Virginia History, U.S. & Virginia Government, and one world history/geography course. Courses which satisfy the world history/geography requirement are: (i) World Geography, (ii) Modern World History or (iii) Ancient World History. The Board may approve additional courses to satisfy this requirement.

⁴Electives:

Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality. Sequential electives are a series of two related, one-credit courses or a combination of 0.5 credit courses in a related content area.

Advanced Diploma Requirements

Must earn the units of credit described in Table 2

Students who complete the requirements for an Advanced Studies Diploma with an average grade of “B” or better, and successfully complete at least one AP or one college-level course for credit will receive the Governor’s Seal on the diploma.

Table 2: Credits Required for Graduation: Advanced Studies Diploma

Discipline Area	Standard Units Required	Verified Credits Required
English	4	2
Mathematics ¹	4	1
Laboratory Science ²	4	1
History and Soc. Sciences ³	4	1
World Language ⁴	3	
Health and Phys. Ed.	2	
Fine/ Performing Arts or CTE	1	
Econ & Personal Finance	1	
Electives ⁵	3	
Total	26	5

¹Mathematics:

Courses completed to satisfy this requirement shall be at or above the level of algebra and shall include at least three different course selections from among: Algebra 1, Geometry, Algebra 2, or other mathematics courses above the level of Algebra 2. The Board may approve additional courses to satisfy this requirement. (Computer Math does not meet the requirements for an Advanced Studies Diploma.)

²Science:

Courses completed to satisfy this requirement shall include course selections from at least three different science disciplines from among: earth sciences, life sciences, chemistry, or physics. The Board may approve additional courses to satisfy this requirement.

³History & Social Science

Courses completed to satisfy this requirement shall include U.S. & Virginia History and U.S. & Virginia Government. Other requirements include two courses from: (i) World Geography; (ii) Modern World History; or (iii) Ancient World History. The Board may approve additional courses to satisfy this requirement.

⁴World Language:

Three years of one language or two years each of two languages.

⁴Electives:

Courses to satisfy this requirement shall include at least two sequential electives as required by the Standards of Quality. Sequential electives are a series of two related, one-credit courses or a combination of 0.5 credit courses in a related content area.

Service Learning

As part of Government class, seniors are required to earn 10 hours of service learning in the community.

Grade Point Average

The number of graduation credits carried by a course is multiplied by a numerical grade equivalent. That product is added together with the product of every other course taken by the student. The result is divided by the total number of credits attempted by the student. The resulting number is the student's GPA. All credit courses at SHS are included in the calculation. Generally, numerical equivalents are assigned on the four-point scale listed here:

A = 4; B = 3; C = 2; D = 1; F = 0

AP and Honors courses use the following higher numerical equivalent to reflect their substantially greater difficulty:

<u>AP Courses</u>	<u>Honors Courses</u>
A = 5	A = 4.5
B = 4	B = 3.5
C = 3	C = 2.5
D = 1	D = 1
F = 0	F = 0

Official GPA is computed using year-end grades.

Distinguished Scholars

A 4.0 or better GPA at the end of the first semester of the senior year is used to determine which seniors will be named as Distinguished Scholars at the graduation ceremony. Students earning Distinguished Scholar status by the end of the senior year will receive the token awarded to all such scholars, but will not be recognized during the graduation ceremony.

Class Rank

Salem City Schools do not rank students within their class. For the purposes of facilitating college applications, the average GPA of a class will be listed on transcripts issued to colleges.

Advanced Programs of Study

SHS offers a number of courses which provide more depth and cover more material than their grade level counterparts. A significant amount of work outside class is to be expected. Students may be required to apply for specific courses.

Commitment to Advanced Programs of Study (AP, CP, Honors, Dual Enrolled, & any Weighted Courses)

By registering for Advanced Programs of Study courses, students and parents/guardians understand and agree to the following:

1. Student remains in class a minimum of 4 weeks.
2. If an advanced class is dropped after 4 weeks, there is no guarantee a replacement class will be available. Other classes will not be overloaded to accommodate the drop.
3. Outside of classroom reading/assignments are an expected part of an AP course.

AP Capstone Diploma

Salem High School anticipates offering the AP Capstone Diploma beginning with the class of 2026. Students interested in earning an AP Capstone diploma must meet the following criteria. Students completing requirements during senior year will be considered a capstone diploma candidate. Certificates can be received once scores are verified in the summer after graduation.

- AP Seminar or English 10: AP Seminar (earn an AP exam score of 3 or higher)
- AP Research (earn an AP exam score of 3 or higher)
- 4 additional AP Classes (earn an AP exam score of 3 or higher)

The Governor's School

The Governor's School is a regional center for the study of advanced courses in mathematics, science, computer applications, and technology. Students must apply for admission. Students should be academically prepared and motivated to want to learn advanced science and math. Students must have completed Algebra 1 and Geometry prior to enrollment.

The application period is January through mid-February. Parents, accompanied by the student,

may receive an application at any of the scheduled valley-wide informational meetings. Transportation is provided to the Governor's School. Nonresident students should apply through the school in their attendance area. Students who elect to complete course work at the Governor's School may have to make alternate course selections at their home school due to schedule constraints and may lose a class period that could include an elective due to the time spent traveling to/from the Governor's School.

Career & Technical Preparation

Career and Technical Education provides a sequence of study beginning in high school and continuing through at least two years of post-secondary education.

CTE programs prepare students for direct entry into the workplace. They include a combination of academic and technical courses providing knowledge and skills needed for success in modern business and industry.

Areas of Career & Technical Focus

<i>Auto Body Repair</i>	<i>Health Sciences</i>
<i>Auto Service Tech</i>	<i>Marketing</i>
<i>Business/Office Admin</i>	<i>Pharmacy Tech</i>
<i>Computer Science</i>	<i>Precision Machining</i>
<i>Cosmetology</i>	<i>Robotics & Mechatronics</i>
<i>Culinary Arts</i>	<i>Technlogy Education</i>
<i>Early Childhood Ed</i>	<i>Welding</i>

The Virginia Department of Education and the City of Salem School Division define a CTE program complete as a student who successfully fulfills all minimum requirements of an approved career and technical education program. An approved career and technical education program consists of a sequence of courses or learning experiences designed to develop competencies required for specific career fields or continuing education.

Dual Enrollment at SHS & VWCC

SHS has a rigorous course of study which includes several college-level courses. In recognition of this, VWCC has agreed to give college credit for a number of courses being taught at SHS.

In most dual enrolled classes, students receive three or four college credits per dual enrolled semester. Courses are taught at SHS by college-accredited high school staff. Books for the courses are provided at no charge to the student. Students who drop a dual enrolled course at SHS must also do so through the Advanced Studies

Office. **Dual Enrollment is optional.** Students who desire to receive college credit must register and pay tuition as determined by VWCC. Registration occurs in August for the fall semester and January for the spring semester. Students register and pay for classes at SHS through the Advanced Studies Office.

VWCC tuition is determined by the number of credit-hours a student elects to dual enroll and is subject to change. Scholarships are available.

VWCC credits can be transferred to many colleges and universities, dependent upon admission practices. Students and parents are encouraged to contact the admissions office at universities of interest to the student and inquire about credit transfer policies.

***All Dual Enrollment courses and offerings are subject to change based on staffing and availability.**

Student Fees

Some elective courses may charge a fee for materials that are consumed or retained by the students, or for specific supplies in excess of what is required for students to complete class assignments. However, fees should never prevent or discourage students from registering for a course. Financial assistance is available for students who qualify. For additional information regarding financial assistance please see the Principal.

SHS Counseling Department

During school hours call: (540)387-2437

Students Last Names (A—E):

Sheri Smith—email: ssmith@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0914

Students Last Names (F-L):

Kristi Snow—email: ksnow@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0912

Students Last Names (M-Q):

Michele Arbogast—email: marbogast@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0911

Students Last Names (R-Z):

Jenny Parrish—email: jparrish@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0913

School Counseling Department Secretary

Tammy Chitwood—email: tchitwood@salem.k12.va.us
24 hr. confidential voice mail: (540) 444-0910

Salem City Schools does not unlawfully discriminate on the basis of race, color, national origin, disability, gender, or age in employment or its educational programs and activities.

Course Guide

SHS encourages its students to choose challenging courses. Research shows the rigor of classes taken in high school is an excellent indicator of future academic success.

Prior academic success is a helpful predictor of how a student will do in a course. Therefore, courses in this Registration Guide have their own recommendations to help students and families make appropriate choices.

Students and parents should take recommendations into consideration when making course requests, and all students should speak with their current teachers and their school counselor for advice on what classes to take next year.

Enrolling in an advanced course comes with an expectation students commit to the academic requirements of the course. There is no guarantee students may drop to a lower level course.

Art

Art Foundations (9120)

Prerequisite: None
Credit: 0.5 GPA: 4.0

This course is designed to introduce students to various techniques and media used in both two- and three-dimensional design. Students will study and work in such areas as drawing, painting, design, and art appreciation with emphasis on the elements of art and the principles of design. Students are responsible for some art supplies.

Drawing (9140A)

Prerequisite: Art Foundations
Credit: 0.5 GPA: 4.0

This studio-oriented course is designed to provide students an opportunity to expand on experiences and processes learned in Art Foundations. Students are encouraged to develop independent thinking, self-confidence, self-expression, and perceptual awareness in solving accelerated studio problems. Areas of study include composition, sketching and shading techniques, perspective, figure drawing and portraits. Students are responsible for some supplies.

Ceramics 1 (9175)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Ceramics 1 is a one semester course designed to introduce students to making projects out of clay by handbuilding and using the pottery wheel. Basic skills are taught through each project. You will make the coolest, most mind-blowing ceramic art the world has ever seen.

Ceramics 2 (9176)

Prerequisite: Ceramics 1
Credit: 0.5 GPA: 4.0

Ceramics 2 is a one semester class that could be requested simultaneously at the same time to follow the Ceramics 1 class or can be requested the next year. Students will continue their skills learned in the previous class and will be able to apply those skills to higher level projects. Larger vases, bowl sets, jars with lids, matching mugs, sculpture, and handbuilt larger items are created while increasing the skill levels.

Ceramics 3 (9162)

Prerequisite: Ceramics 2
Credit: 0.5 GPA: 4.0

Ceramics 3 is a one semester class that could be requested simultaneously at the same time to follow the Ceramics 2 class or can be requested the next year. This class further develops skills to the extent that students master the techniques of ceramics. Students create wheel thrown pottery from hollow closed forms, combining forms, and using these skills to create teapots, rice bowl sets, chip and dip platters, plates, sculptures and other indepth handbuilt projects.

Beginning Painting (9130)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Beginning Painting is a one-semester course designed to introduce students to varied painting techniques and media. Students will be introduced to basic color theory and will have opportunities to work in watercolor and acrylic painting. Students will be asked to furnish certain basic supplies.

Advanced Painting (9145)

Prerequisite: Beginning Painting
Credit: 0.5 GPA: 4.0

Advanced Painting is a one-semester course presenting students with the opportunity to further express themselves through painting. Students will work with watercolor and oil paints while studying and experimenting with various painting styles. Students will be asked to furnish certain supplies.

Adobe Photoshop (9154)

Prerequisite: None
Credit: 0.5 GPA: 4.0

Adobe Photoshop is the premier software application used by artists, designers and creative professionals. for different disciplines including graphic design, digital photography, web design, and many other industries. This semester course is designed to give students an introductory understanding of how to use Photoshop and perform many different image-processing techniques. Students will learn the Photoshop fundamentals to create/edit graphics and manipulate images. Various lessons, projects, and class assignments will assist students in learning how to select parts of images, retouching photographs, layers, filters, color modes, and many other specific Photoshop operations.

Adobe Illustrator (9180A)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Adobe Illustrator is the standard application used to create computer graphics, logos, fonts, and many other kinds of artwork. Graphic designers and other professional artists utilize Illustrator to create vector based artwork required for many creative businesses and commercial industries. Illustrator is a semester class where the fundamentals of producing, manipulating and commercial use of vector graphics is explored. Illustrator's numerous functions and tools are covered in sequence to produce geometric primitives (points, lines, and shapes) to create art that is clean, camera ready, and can be scaled infinitely, without any loss of quality or fidelity. A range of vector based concepts, lessons, and projects will be covered outlining specific standards used by graphic designers, printers and web developers.

Advanced Graphic Arts (9153AD)

Prerequisite: Adobe Photoshop or Adobe Illustrator; or with Instructor Permission

Credit: 1.0 GPA: 4.0

Advanced Graphic Arts is a year long course designed to further student knowledge and understanding of Adobe applications and the elements of art and principles of design. Class assignments, lessons, and commercial projects will allow students to develop practical skills in graphic design, web design, photography, and Adobe applications. Activities call for students to apply problem solving methodology to analyze and formulate real world solutions. Students will work in a studio environment as a team to collectively accomplish individual and group projects. Students will put together a portfolio of work that will demonstrate a wide range of graphic design skills and have the option to get their ACA Specialist certificate (Adobe Certified Associate).

Digital Photography (9190)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Digital Photography is a semester class that will cover the fundamentals of cameras, lenses, lighting, image editing software (Adobe's Lightroom/Photoshop), and other basic photographic equipment. Digital Photography will cover essential camera concepts and functions such as aperture, shutter speed, ISO, and the production of a correct image exposure. School fields trips, class assignments, and student projects will comprise of portraits, still life's, food photography, and other photo related compositions based on the principles and elements of design. This class is an introductory course and is intended for students looking to explore or improve their skills in digital photography.

AP Drawing (05172)

Prerequisite: Art Foundations and completion of 1 previous art class with instructor permission.

Credit: 1.0 GPA: 5.0

AP Drawing is an introductory college-level drawing course. Students refine and apply drawing skills to ideas they develop throughout the course. AP Drawing is not based on a written exam; instead, students submit portfolios in May. Outside of classroom reading/assignments are an expected part of an AP course.

Business & Marketing

Microsoft Office (6617A)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course introduces the use of Digital Applications through the use of Microsoft Office productivity software commonly used in business and industry. Students will demonstrate knowledge associated with basic computer functionality, keyboarding skills, and the ability to create end-products using Microsoft Word, Excel, and PowerPoint. As part of this course students will take Microsoft Office Specialist Certification Examinations. This course is designed as a first step for students wishing to progress through more advanced business and information technology coursework. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Economics & Personal Finance (6120)

Prerequisite: None, Grade 11 or 12 recommended

Credit: 1.0 GPA: 4.0

Students will learn how economies and markets operate and how the United States economy is interconnected with the global economy. Students will learn basic consumer skills that will help them survive "life after graduation". Topics include: career exploration, budgeting, employment, savings options, investing, credit, managing debt, taxes, and insurance. Students take the WISE Financial Literacy Certification Test at the end of this course. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional. **This satisfies the Financial Literacy and Economics Graduation Requirement.**

Accounting (6320)

Prerequisite: Grade 11 or 12 (recommended), Algebra 1

Credit: 1.0 GPA: 4.0

Accounting is a yearlong course designed to study basic principles, concepts, and practices of the accounting cycle. Topics covered include analyzing transactions, journalizing and posting entries, preparing payroll records and financial statements, and managing cash control systems. Students planning to major in business in college or to work in business will benefit from this course. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Design, Multimedia, & Web Tech (6632A)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This semester course introduces the basics of desktop publishing working with graphics, and web design. Students apply creativity and technology to create visual design, multimedia projects, and web projects, using industry-standard software. Students enrolled in in this course may join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

Business Management: Honors (12052)

Prerequisite: Grades 10-12 and a strong academic background is highly recommended due to the advanced nature of this course.

Credit: 1.0 GPA: 4.5

This year-long dual enrollment course exposes students to the functions and topics of modern business, including economics, management, finance, accounting, marketing, production, international business, small business, and other areas of general business interest. Guides students in establishing a viable business vocabulary, fostering critical and analytical thinking, and refining business decision making skills. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA (optional).

Entrepreneurship (12053A)

Prerequisite: Grades 10-12

Credit: 1.0 GPA: 4.0

Entrepreneurship is designed to help students develop the knowledge and skills necessary to own and operate their own businesses. The course content typically covers topics from a number of fields: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, communication, information management, risk management, and strategic management. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization DECA (optional).

Entrepreneurship, Advanced (12053B)

Prerequisite: Grade 11 or 12, Entrepreneurship, and a strong academic background is highly recommended due to the advanced nature of this course.

Credit: 1.0 GPA: 4.5

This course is designed for students who wish to concentrate on advanced strategies for entrepreneurship, building upon concepts introduced in Entrepreneurship. The focus is on the development of a business plan, including projecting financials, economic influences, and business management. Students will apply knowledge gained to establish, market, and maintain a business. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization DECA (optional).

AP Economics (6136)

Prerequisite: Success in a previous AP course and a B or better in advanced math courses.

Credit: 1.0 GPA: 5.0

This year-long course is a college-level introduction to Microeconomics and Macroeconomics. Major topics include supply and demand, profit, taxes, economic growth, government fiscal and monetary policy, and international economics. Students will take TWO AP exams that could earn them a total of two semesters of college credit. Students enrolled in this course have the opportunity to join Future Business Leaders of America (FBLA). Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA (optional). Outside of classroom reading/assignments are an expected part of an AP course.

Business Law (6131)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Business Law is a semester course designed to help students develop an awareness of the individual's legal rights and responsibilities in society. Emphasis is placed on studying legal issues from a business perspective. Topics include: the legal system, civil law, criminal law, business ethics, contracts, agency law, commercial and consumer law, and employee/employer rights and responsibilities. Students visit area courts to observe the judicial process. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA (optional).

Introduction to Fashion Careers (8247)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

Introduction to Fashion Careers students learn what it takes to be successful in fashion by exploring careers within the industry. Instruction focuses on hands-on experiences. Students apply the design process from concept to final product and demonstrate basic fashion design techniques. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization DECA (optional).

Marketing Exploration: Sports & Entertainment (8111C)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

Explore the world of marketing to understand its importance in today's society. Students will develop skills related to interpersonal communication, self-presentation, economics, marketing, sales, employability, career discovery, promotion, and ethical decision-making—all essential skills in any career. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization DECA (optional).

Marketing (8120)

Prerequisite: Must be in grade 10-12

Credit: 1.0 GPA: 4.0

Students will learn how products are developed, branded, and sold. They will analyze industry trends and gain hands-on experience in the marketing of goods, services, and ideas and be prepared for success in postsecondary education and employment. Topics include professionalism in the workplace, product planning and positioning, promotion, pricing, selling, economic issues, and changes in the marketplace. Customer Service and Sales certification through the National Retail Federation is available to

enrolled students. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization DECA (optional).

Strategic Marketing (8130A)

Prerequisite: Marketing; CTE WBL Agreement

Credit: 1.0 GPA: 4.0

In this course, students learn to leverage marketing activities to best differentiate themselves and their businesses. They will participate in supervisory and management activities focusing on the marketing mix, purchasing, financing, human resources, global marketing, pricing, distribution, selling, operations research, and promotion. Students will prepare for marketing careers and postsecondary education, continuing to enhance self-presentation, communication, and leadership skills. Contextual instruction and student participation in co-curricular career and technical student organization (CTSO) activities will develop leadership, interpersonal, and career skills. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization DECA (optional). This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Sports & Entertainment Management (12163)

Prerequisite: Must be in grade 10-12

Credit: 1.0 GPA: 4.0

This course will combine theory and practical application to provide an overview of all facets of sports administration and entertainment management. The course will place a focus on the foundations of sports management, sports administration, broadcasting, communications, sports information, parks and recreation management, coaching, and officiating. The instructor will work in conjunction with local universities, colleges, sports governing bodies, parks and recreation agencies, and officiating governing bodies to provide real world experiences for our students. Our goal is to give our students the knowledge base necessary to pursue a career and/or job placement in sports administration and sports management.

Computer Science

Computer Science Foundations (10012)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Computer Science Foundations is a semester-long course that introduces students to various topics in computer science. Students will learn about problem-solving ap-

proaches, physical computing devices, Internet communication, designing interactive programs, data-centered decision-making, and the impact of technology on society. Students will develop a variety of projects throughout the course that utilize the skills covered in a way that is meaningful to students. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA (optional).

Cybersecurity Fundamentals (10302)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Cybersecurity Fundamentals is a semester-long course that introduces students to a variety of topics related to cybersecurity. Students will learn a variety of strategies they can use to keep themselves and others safe while using Internet-connected devices. Students will also explore cybersecurity threats that impact organizations and nation-states. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization FBLA (optional).

Programming (10152A)

Prerequisite: None; Algebra 1 and strong mathematical reasoning skills are strongly recommended.

Credit: 1.0 GPA: 4.0

Computer Science Programming introduces students to visual design through programming with Java. Computer Science programming builds the foundational programming concepts needed to create simple apps, games, and other programs with a modern programming language. Students use a text-based programming environment to learn how to code with logical command sequences, functions, data structures, and control structures. Students will create a variety of programs. Students enrolled in Computer Science Programming have the opportunity to join the Career and Technical Student Organization FBLA (optional).

Advanced Programming (10152B)

Prerequisite: Completion of a previous full-year programming course or instructor approval

Credit: 1.0 GPA: 4.5

Advanced Programming uses app development to introduce students to the use of a professional-level software development environment that specializes in the creation of 2D and 3D apps. The course builds on existing programming concept knowledge and transitions students to using object-oriented programming concepts to create scripted applications. Students will develop apps that can be deployed across a variety of computer platforms. Students will also be exposed to the use of databases to store data used with an application. Students enrolled in Advanced Programming have the opportunity to join the Career and Technical Student Organization FBLA (optional).

Cybersecurity I: Core Concepts (6303)

Prerequisite: Completion of a previous full-year programming course or instructor approval

Credit: 1.0 GPA: 5.0 **Radford University**

Core Concepts introduces students to the practices and technologies that are used to secure and protect personal, organizational, and national information. Students will learn about and use core cybersecurity concepts and tools that allow cybersecurity professionals to monitor for and protect against common cybersecurity threats. Students will also be exposed to information about careers and job roles associated with the field of cybersecurity. Students enrolled in Cybersecurity I: Core Concepts have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional.

AP Computer Science A (Java) (3185)

Prerequisite: Completion of a previous full-year programming course or instructor approval

Credit: 1.0 GPA: 5.0

AP Computer Science A (AP CSA) is an introductory college-level computer science course. Students cultivate their understanding of coding through analyzing, writing, and testing code as they explore concepts like modularity, variables, and control structures. AP CSA teaches object-oriented programming using the Java language and emphasizes critical thinking and algorithm development by using hands-on experiences to design, write, and test computer programs that solve problems and/or accomplish tasks. This course will prepare students for the end-of-course AP Exam. Students enrolled in AP CSA have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional. Outside of classroom reading/assignments are an expected part of an AP course.

AP Computer Science Principles (10160AP)

Prerequisite: 10th grade or instructor approval; Strong mathematical reasoning skills are strongly recommended

Credit: 1.0 GPA: 5.0

AP Computer Science Principles (AP CSP) is an introductory college-level computing course that introduces students to the breadth of the field of computer science. The course introduces students to foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. Students learn to use data to identify issues and opportunities. Students design and evaluate solutions through the development of algorithms and programs. This course will prepare students for the end-of-course AP Exam. Students enrolled in AP CSP have the opportunity to join the Career and Technical Student Organization FBLA. Membership in FBLA is optional. Outside of classroom reading/assignments are an expected part of an AP course.

Introduction to Artificial Intelligence (10156)

Prerequisite: Teacher recommendation and either completion of Advanced Programming or AP Computer Science Principles or AP Computer Science A (JAVA)

Credit: 1.0 GPA: 5.0

This course is designed to introduce students to Artificial Intelligence (AI) to gain knowledge and skills in AI with a focus on Machine Learning. This course will be taught in a hybrid design in which students will learn virtually with live instruction by a Harvard researcher, taught through The Coding School. Throughout the course students will complete AI projects, culminating in a capstone project.

English

English 9 (1130)

Prerequisite: Grade 9

Credit: 1.0 GPA: 4.0

In English 9, students enhance reading comprehension by comparing fiction and nonfiction texts. There is an increased focus on nonfiction reading, and vocabulary expands through study of roots and affixes. Students engage in the writing process with an emphasis on persuasion. Students apply media message analysis, multimodal presentations, and research techniques, addressing misconceptions and potential bias, with proper citation in MLA or APA style. Collaborative group work includes rule-setting and consensus-building.

English 9: Honors (1130H)

Prerequisite: Grade 9; score of 475 or above on all previous English SOLs is strongly recommended.

Credit: 1.0 GPA: 4.5

The major concepts of this course include, but are not limited to, instruction in the backgrounds and critical analyses of major literary works representing various genres, with an emphasis on American literature. Composition focuses upon using the writing process to develop themes and includes application of research skills. Vocabulary study will focus on preparation for SAT/ACT exams. Students should expect to do a majority of reading outside of class.

English 10 (1140)

Prerequisite: Grade 10

Credit: 1.0 GPA: 4.0

This college and career preparatory class will integrate the study of language with the study of literature and writing. In literature, emphasis is placed on analyzing works from a variety of eras and cultures, including short stories, novels, fiction, and nonfiction texts. This class will also focus on the grammar, vocabulary, communication, research, and writing composition skills necessary to demonstrate readiness on the Virginia End-of-Course writing assessment. Students will practice informal and formal writing and revision processes, focusing on persuasive composition, technical writing, and the research paper. Language study will focus on the mastery of grammar, usage, and mechanic skills.

English 10: Honors (1140H)

Prerequisite: Grade 10; score of 475 or above on all previous English SOLs is strongly recommended.

Credit: 1.0 GPA: 4.5

The major concepts of this course include, but are not limited to, instruction in the backgrounds and critical analyses of major literary works representing various genres, with an emphasis on British literature. Composition focuses upon using the writing process to develop themes and includes application of research skills. Vocabulary study will focus on preparation for SAT/ACT exams. Students should expect to do a majority of reading outside of class.

English 10: AP Seminar (01013)

Prerequisite: Grade 10; A grade of "B" or better in English 9; Honors or an "A" in English 9 are strongly recommended

Credit: 1.0 GPA: 5.0

English 10: AP Seminar mirrors a college-level English course. Students explore diverse texts in a seminar format, evaluating literary, informational, and visual materials to synthesize perspectives for evidence-based arguments. Students convey their findings through multiple written formats, multimedia presentations, and oral defenses. Outside of classroom reading/assignments are an expected part of an AP course.

English 11 (1150)

Prerequisite: Grade 11

Credit: 1.0 GPA: 4.0.

In English 11, students study the five English strands - oral language, grammar, reading/literature, writing, and research. The curriculum includes a survey of American literature, including the study of short fiction, poetry, and the novel, in addition to analysis of non-fiction selections; formal composition of analytical essays; and practice in written and verbal communication. Language study focuses on elimination of errors in grammar/usage/mechanics.

English 11: College Prep (1151)

Prerequisite: Grade 11; Recommended for students who earned a "B" or better in English 10

Credit: 1.0 GPA: 4.0

This course aims to develop the reading and writing skills necessary for successful performance at the college level. Instruction methods include discussion, lectures, models, group work, and audiovisual presentations. The course emphasizes literary analysis of significant works of American literature - both classic and contemporary, written analysis of these works, the elimination of common errors in formal composition, grammar skills necessary for proper composition style, the writing of expository essays, and the preparation of the research paper. Vocabulary study will focus on preparation for college entrance exams, such as the SAT and ACT. Students should expect to do the majority of reading and essay writing outside of class.

AP Language and Composition (1196)

Prerequisite: Grades 11 or 12, An "A" in all previous

English courses and pass advanced SOL scores are strongly recommended

Credit: 1.0 GPA: 5.0

This course focuses on developing collegiate-level writing and analytical skills. Students engage in the critical analysis of diverse texts, exploring rhetorical strategies and enhancing their own composition abilities. Emphasis on in-depth reading, extensive essay writing, and mastery of rhetorical techniques. Students participate in timed writings, research projects, and collaborative activities to strengthen their proficiency in language and composition. Outside of classroom reading/assignments are an expected part of an AP course.

English 12 (01004A)

Prerequisite: Grade 12

Credit: 1.0 GPA: 4.0

This college and career preparatory course explores British literature, covering short stories, novels, plays, poetry, and nonfiction. Emphasizing academic and career readiness, the course hones skills in written and oral communication, higher-level thinking, research, and problem-solving. Students focus on a specific career or cluster, culminating in a portfolio that highlights critical thinking, problem-solving, and effective communication which is presented during a final exit interview before graduation.

English 12: College Prep (01004CP)

Prerequisite: Grade 12; A grade of "B" or better in 11th grade English course and a passing EOC 11 Reading SOL score is strongly recommended

Credit: 1.0 GPA: 4.0

In this advanced college preparatory course, students explore British literature, including short stories, novels, plays, films, poetry, and nonfiction. The focus on academic readiness sharpens skills in written and oral communication, higher-level thinking, research, and problem-solving, preparing college-bound students for the rigorous demands of reading, writing, and communication at the collegiate level. The curriculum emphasizes advanced literary analysis and composition, with a majority of reading completed outside of class.

AP Literature (1160AP)

Prerequisite: Grade 12, An "A" in English 11 College Prep or AP Language and Composition is strongly recommended

Credit: 1.0 GPA: 5.0

This course is an introductory college-level literary analysis course. Students cultivate their understanding of literature through reading and analyzing texts (fiction, poetry, drama) from various periods. They explore concepts like character, setting, structure, perspective, figurative language, and literary analysis in the context of literary works. self-edits, research projects, and other written and spoken activities designed to increase mastery of rhetorical techniques. Outside of classroom reading/assignments are an expected part of an AP course.

AP Research (22112)

Prerequisite: Grades 11-12, English 10: AP Seminar or AP Seminar

Credit: 1.0 GPA: 5.0

AP Research is designed to parallel college-level courses in independent research. Provides students with the opportunity to conduct an in-depth mentored research project. Course topics include research and methods, ethical research practices, and accessing, analyzing, and synthesizing information to address a research question. Culminates with an academic thesis paper and an oral defense of the research design, approach, and findings. This course is a requirement of the AP Capstone Diploma. Outside of classroom reading/assignments are an expected part of an AP course.

Creative Writing 1 (1171)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Designed to meet students at their present writing level, this emphasizes the concept of "writing with power," and finding the students' style and "voice" as writers. Through instruction and interaction with other student writers, students develop strategies to generate, develop, and revise their writing. Students will study and write from the following categories: journal, poetry, short story, autobiography, descriptive and narrative writing, interviewing, characterization, point-of-view, and children's stories. Students will generate a final portfolio of their best work for assessment, oral sharing, and publication at the end of the course.

Creative Writing 2 (1177)

Prerequisite: Creative Writing 1

Credit: 0.5 GPA: 4.0

This course is an accelerated review of strategies covered in Creative Writing 1, with emphasis placed upon editing for publication. Students will be strongly encouraged to submit work to the school's literary magazine, Delphi. Focus will be placed on workshop style editing to advance student's abilities and understanding of writing fiction, non-fiction, and poetry. The course will culminate in a portfolio style collection of the student's work over the course of the semester.

Classical Mythology (1519)

Prerequisite: None; Recommended for College Bound Students

Credit: 0.5 GPA: 4.0

How was the world created? Where do monsters come from? How do you live -- and die -- a hero? Students will explore how myths answer these questions, explain natural events, impact societal rules, set the bar for being a hero, and more. Focused mostly on Greek and Roman mythology, students will learn about the Olympians, Hercules, Jason and the Argonauts, Perseus and Medusa, and more. Students will also sample Aztec, Mayan, Celtic, Chinese, and Norse myths. Classical Mythology ends by examining how myths shape literature, art, history, video games, and movies today. Ideal for students who enjoy discussion, hands-on projects.

Photojournalism: Yearbook (1215)

Prerequisite: By application

Credit: 1.0 GPA: 4.0

The yearbook staff produces the school's award-winning yearbook, *The Laconian*, using Adobe InDesign and Photoshop. Students gain experience in layout and design, interviewing, writing, photography, small-business, and sales, while also learning to be committed to a team. The staff meets during a scheduled class time, but after-school hours are often necessary in order to meet deadlines. Students are also encouraged to attend workshops in the summer. The staff is selected by an application process. Applications are available from the adviser in the spring.

English Learners

Newcomer EL (5710EL)

Prerequisite: None

Credit: 1.0 GPA: 4.0

An introduction to high frequency social language and basic American cultural practices for newly arrived English Learners. Students will participate in daily drills (phonetic alphabet, calendar, counting, vocabulary recall). Students will access a curriculum of social and survival English language through core language skills practice: reading, writing, listening, and speaking activities. The course includes orientation to basic aspects of American lifestyle: holidays, foods, geography, signage, telephone and email, and transportation. This one year course is appropriate for students at WIDA levels up to 2.0 overall.

EL English/Language Arts 1 (1170EL)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Students enrolled in this course are simultaneously enrolled in an appropriate grade level English course. Students will gain English standards and appropriate grade-level skills through scaffolded texts. Students will focus on figurative language by analyzing poetry from various cultures represented in the classroom. Students will improve their reading skills through lessons on grammar, word parts, and various vocabulary activities. The literature portion of our course will culminate in the student's first novel in English. Persuasive writing skills will be taught and will lead up to the Workkeys Writing Test. Students of all grade levels will prepare to earn an English verified reading and writing credit.

EL English/Language Arts 2 (1171EL)

Prerequisite: EL English/Language Arts 1

Credit: 1.0 GPA: 4.0

Students enrolled in this course are simultaneously enrolled in an appropriate grade level English course. Students will continue building their reading and writing skills. Poetry will be analyzed for figurative language and deeper meaning. Critical thinking in a second language will be encouraged. Students will have the opportunity to read their second novel. Students of all grade levels will

prepare to earn an English verified reading and writing credit.

Family & Consumer Sciences

Introduction to Culinary Arts (16051)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

Designed to introduce students to selection and preparation of menu basics, this course provides opportunities through demonstrations, guest speakers, labs, individual and team projects and field experiences. Topics include safety and sanitation principles; analysis of food choices; teambuilding exercises; planning and preparing principles; introduction to equipment and usage; terminology; following and analyzing recipes; exploring career options; and food presentation and evaluation. Students are required to wear rubber-soled shoes and use hair covering and wear jacket/apron as provided. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Culinary Arts 1 (16052A)

Prerequisite: Grade 11; or completed Intro to Culinary Arts. 12th graders may only sign up as an alternate.

Credit: 1.0 GPA: 4.0

This course investigates principles and styles of food preparation. Students will be given opportunities to perform side work, explore regional foods and service styles, practice simple catering and banquet functions, explore professional opportunities, develop menus, investigate costing and purchasing principles and prepare and serve at various functions. Practical sanitation skills will be emphasized. Class activities include field trips, demonstrations, guest lecturers, individual and team labs. Students will be required to provide and to wear rubber-soled shoes and use hair covering and wear jacket/apron as provided. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FCCLA.

Culinary Arts 2 (16052B)

Prerequisite: Grade 11 or 12; Culinary Arts 1 and MUST have passed Serv-Safe Certification test; CTE WBL Agreement

Credit: 2.0 GPA: 4.0

This course is designed to investigate principles and styles of food preparation. Students will be given opportunities to perform side work, explore regional foods and service styles, practice simple catering and banquet functions, explore professional opportunities, develop menus, investigate costing and purchasing principles and prepare and serve at various functions. Practical sanitation skills will be emphasized. Class activities will include field trips, demonstrations, guest lecturers, individual and team labs. Students will be required to provide and to wear rubber-

soled shoes and use hair covering and wear jacket/apron as provided. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FCCLA. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Intro to Early Childhood Ed (8233EC)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate

Credit: 0.5 GPA: 4.0

This course serves as an introductory class for the Early Childhood Education program. Students learn about parenting through the study of the intellectual, social-emotional, and physical growth and development of children in the ages of early childhood. This class also provided the opportunity to explore careers in the early childhood education field. Class activities include lecture-demonstrations, live events, and individual projects. Child Development students and their parent/guardian will be expected to sign and abide by the Early Childhood Education Code of Ethics Contract. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FCCLA (optional).

Early Childhood Education 1 (8285)

Prerequisite: Submission of completed application packet.

Intro to ECE, Students in Grades 11 or 12 without Intro to ECE may request as an alternate; CTE WBL Agreement

Credit: 1.0 GPA: 4.0

This course teaches basic skills of child development in an early childhood setting. Students will have opportunities to observe, plan, and participate in developmentally appropriate children's activities. Early Childhood Education students and their parent/guardian will be expected to sign and abide by the ECE Code of Ethics Contract. This is an excellent course for any student interested in working with young children or in a teaching career. **Please note: This is a highly requested course; therefore, students must intend to remain in this course for the entire school year. Also, students are selected for this course by an application process. Applications are available from the instructor during 2nd semester.** Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FCCLA (optional). This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Early Childhood Education 2 (8286)

Prerequisite: Early Childhood Education 1 and submission of completed application packe; CTE WBL Agreement
Credit: 2.0 GPA: 4.0

This two-period course is the second year of a two-year Early Childhood Education program. Students completing this program will be prepared to be a child care aide, teacher's aide, or pursue collegiate study in early childhood education. ECE 2 emphasizes an advanced study of child development; curriculum planning implementation; and developmentally appropriate practices. Qualifying students may combine classroom instruction with teaching internships. Early Childhood Education students and their parent/guardian will be expected to sign and abide by the ECE Code of Ethics Contract. **Please note: This is a highly requested course; therefore, students must intend to remain in this course for the entire school year. Students are selected for this course by an application process. Applications are available from the instructor during 2nd semester.** Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization FCCLA (optional). This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

ECE Internship (22995A)

Prerequisite: 11th or 12th Grade, B or better in ECE 2, submission of completed application packet and selection interview.

Credit: 1.0 GPA: 4.0

This courses is available to qualifying students enrolled in the Early Childhood Education programs. This unpaid work experience provides the opportunity for students to apply classroom knowledge in a preschool setting. A training agreement is developed by the the coordinating teacher.

Also, students are selected for this opportunity by an application process. Applications are available from the instructor during 2nd semester. Once the completed application packet is submitted, an interview will be scheduled with the Selection Committee.

Elementary Education Internship (22995B)

Prerequisite: 12th Grade, B or better in ECE 2, submission of completed application packet and selection interview.

Credit: 2.0 GPA: 4.0

This courses is available to qualifying students enrolled in the Early Childhood Education programs. This unpaid work experience provides the opportunity for students to apply classroom knowledge in an elementary school setting. A training agreement is developed by the the coordinating teacher. Students in this course will take the ParaPro credentialing exam. **Also, students are selected for this opportunity by an application process. Applications are available from the instructor during 2nd semester. Once the completed application packet is submitted, an interview will be scheduled with the Selection Committee.**

Health & Physical Ed

Health 1 with CPR (08051A)

Prerequisite: Grade 9

Credit: 0.5 GPA: 4.0

This course will focus on the following topics: Health and Wellness, Healthy Family Relations, Consumer Health, Alcohol, Tobacco and Drugs, Communicable Diseases, Systems of the Body, Family Life, First Aid & CPR, Health Related Emergencies, Safety and Well-being, Internet Safety, Resolving Conflict and Preventing Violence. All students will complete the VDOE First Aid and CPR requirement for Health 1.

Health 2 (08057A)

Prerequisite: Health Education 1

Credit: 0.5 GPA: 4.0

Health 2 will focus on the following topics: Stress Management, Mental Health, Mental Health Disorders, Physical Fitness, Wellness, Decision Making, Nutrition, Infectious Disease, Steroids & Performance Enhancing Drugs, and Internet Safety. Health 2 students participate in Drug Abuse Resistance Education sponsored by SHS and the Salem Police. The SHS Counseling Department will also present a Signs of Suicide Prevention Program.

PE 1 (08001A)

Prerequisite: Grade 9 (counts as a PE graduation req)

Credit: 0.5 GPA: 4.0

This course focuses on lifetime fitness, recreational sports, and team sports activities. The student will demonstrate the ability to independently apply basic FITT principles of training and intensity level concepts to help increase physical activity and improve personal fitness. The student will apply appropriate training principles in multiple lifetime fitness activities, while demonstrating appropriate behavior in all physical activity settings. All students will be encouraged to pursue lifetime fitness and sports based activities after they graduate from high school.

PE 2 (08005A)

Prerequisite: PE1 (counts as a PE graduation req)

Credit: 0.5 GPA: 4.0

This course focuses on lifetime fitness, recreational sports, and team sports activities. The student will demonstrate the ability to independently apply basic FITT principles of training and intensity level concepts to help increase physical activity and improve personal fitness. The student will apply appropriate training principles in multiple lifetime fitness activities, while demonstrating appropriate behavior in all physical activity settings. All students will be encouraged to pursue lifetime fitness and sports based activities after they graduate from high school.

Introduction to Coaching (08018)

Prerequisite: Health 1
Credit: 0.5 GPA: 4.0

This course is designed to emphasize the responsibilities, duties, and problems in training and instructing athletes and athletic teams. Course topics typically include principles of behavior, teaching, physical and mental training, and team management. Different coaching philosophies, outcomes, and styles may also be covered. This course also encourages students to be engaged citizens in their community, taking an active role in supporting youth sports, teaching honesty and hard work.

Introduction to Officiating (7655)

Prerequisite: Health 1
Credit: 0.5 GPA: 4.0

This course is designed to enable students to acquire knowledge of sport rules and regulations, to develop skills in officiating selected sports, improve skills in specified team sports, and maintain or improve health-related fitness. Students will be introduced to the rules and techniques of officiating team sports. Students will also learn important characteristics of becoming an official. In addition to learning the rules and mechanics of officiating, students will have the opportunity to demonstrate these learned skills. Students enrolled in this course will be given the opportunity to officiate a variety of team sports within other physical education classes offered at Salem High School. Students will also be given contact information to assist them in finding officiating jobs within the community. This course does not satisfy a PE requirement.

Strength & Conditioning (7650SC)

Prerequisite: Health 1, P.E. 1, Must have a specific sport in mind for training purposes
Credit: 0.5 GPA: 4.0

This familiarizes students to an approach at athletic conditioning and strength training, and promotes the student's knowledge in developing, tracking and learning about resistance training as it relates to athletics. Students develop a weight-training program based on a personal fitness goal. Students will be instructed in basic principles of strength training & conditioning for personal fitness and development. The focus is on strength training which includes instruction in lifts & principles of strength training and conditioning. Students will be provided quality workout opportunity based on the strength training principles taught. This course does not satisfy a PE requirement.

Weight Training 1 (7650A)

Prerequisite: None
Credit: 0.5 GPA: 4.0

This elective course is designed to provide students with a variety of opportunities to acquire basic knowledge/skills in weight training. The student will understand key concepts that include analysis of performance, application of principles of movement and principles of training while setting goals to help improve personal skills. The student will create a plan for future physical activities beyond school years. Students will receive individualized instruction on safe and proper lifting techniques. This course does not satisfy a PE requirement.

Weight Training 2 (08003)

Prerequisite: Weight Training 1
Credit: 0.5 GPA: 4.0

This course is designed to build upon basic knowledge learned in Weight Training 1. The student will use proper lifting techniques to improve personal skills and goals. This course does not satisfy a PE requirement.

Personal Training (7660B)

Prerequisite: Health 1, PE 1
Credit: 0.5 GPA: 4.0

This course is designed to prepare students with the knowledge, skills, and competence to conduct fitness assessments and to design exercise programs for various populations. Students will gain practical experience related to healthy fitness management programs, basic exercise physiology and nutrition. The goal is for students to develop a personal training knowledge base that will make them more marketable for future internships, partnerships, and employment opportunities in the fitness industry. This course does not satisfy a PE requirement.

Personal Training 2 (08017B)

Prerequisite: Personal Training 1
Credit: 0.5 GPA: 4.0

This course is a continuation of Personal Training 1. Students will develop personal training models based on physiology and nutrition, fitness management, and exercise science. This course will further develop a student's knowledge base of the fitness industry. This course does not satisfy a PE requirement.

Driver's Education (S7015)

Prerequisite: Recommended for Grades 10-12
Credit: 0.0

Driver Education is a noncredit course and includes three-phases: a required 90 minute student and parent meeting, student classroom instruction and student on-the-road instruction. Emphasis is placed on attitude and on skills that are vital to basic driving behavior. Much concentration and practice outside of school are mandatory. State minimum requirements of 36 hours in classroom, 7 hours in-car observation, and 7 hours in-car driving must be met.

Health Sciences

Introduction to Health Science (4200)

Prerequisite: None
Credit: 1.0 GPA: 4.0

This course is designed to introduce students to careers in health science including educational requirements and employment opportunities. Topics to be covered include health informatics, therapeutics, support services, diagnostics and biotechnology fields. Students will practice basic procedures and skills associated with health career interactions. This course will focus on the changing workplace, the importance of developing a strong knowledge base, preparedness to solve complex problems, challenging decision making and abilities to assess ethical implications.

Sports Medicine 1 (14062A)

Prerequisite: Intro to Health Science

Credit: 1.0 GPA: 4.0

This course introduces students to human anatomy and physiology, nutrition, medical terminology, injuries and illnesses, and legal and ethical issues in sports medicine. Students will learn and demonstrate emergency care, taping and wrapping of injuries, and apply other skills for treating injury. Students will examine careers in the sports medicine field. Students earn a certification in First Aid, CPR, and AED. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization HOSA (optional).

Sports Medicine 2 (7660SM)

Prerequisite: Sports Medicine 1

Credit: 1.0 GPA: 4.0

This course builds basic knowledge acquired in Sports Medicine 1 on topics such as exercise physiology, biomechanics, exercise program design, and injury prevention, assessment, treatment, and management. Students will assess fitness, measure body composition, and design exercise programs. Students prepare for a career in sports medicine, including visiting facilities, practicing interview skills, and building a resume. Upon successful completion of this course, students will be eligible to take the National Academy of Sports Medicine-Certified Personal Trainer exam. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization HOSA (optional).

Sports Medicine 3 - Internship (7660D)

Prerequisite: Instructor Approval

Credit: 0.5 GPA: 4.0

This semester course will combine the knowledge base from Sports Medicine 1 and Sports Medicine 2. This course will be designed to apply skills learned in a sports medicine clinical setting and will focus on the anatomy, physiology, prevention, treatment, rehabilitation, and nutrition related to sports medicine injuries. Sports Medicine 3 will also introduce the students to a minimum of five hours per week in the athletic training room.

Medical Terminology (8384)

Prerequisite: Introduction to Health Sciences or Introduction to Sports Medicine

Credit: 1.0 GPA: 4.0

Medical Terminology is designed to help students learn common medical terms essential for safe patient care. Topics are presented in logical order, beginning with each body system's anatomy and physiology and progressing through pathology, laboratory tests and clinical procedures, therapeutic interventions, and pharmacology. Students learn concepts, terms, and abbreviations for each topic.

Emergency Medical Technician I (14055A)

Prerequisite: Introduction to Health Sciences or Sports Medicine, Students must be at least 16 years old prior to the first day of EMT instruction. Must undergo a background check that includes fingerprinting and drug screening.

Credit: 1.0 GPA: 4.0

The tasks for this course represent the National and Virginia Emergency Medical Services (EMS) Educational Standards. Students explore and apply the fundamentals of EMS, anatomy, physiology, and medical terminology while demonstrating skills in assessing and managing patient care, including assessing the scene and understanding shock, resuscitation, and trauma. Successful completion of this course and instructor endorsement qualifies students to enroll in EMT II to complete the program sequence. Students must complete a minimum of 85 percent of the didactic and lab aspects of the course, per 12VAC5-31-1501 in the Code of Virginia. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization HOSA (optional).

Emergency Medical Technician II (14055B)

Prerequisite: EMT I and Instructor approval, Must undergo a background check that includes fingerprinting and drug screening.

Credit: 1.0 GPA: 4.0

The tasks for this course represent the National Emergency Medical Services (EMS) Educational Standards. Students build on their knowledge and skills for providing basic life support by focusing on the areas of emergency medical services (EMS) operations, medical emergencies, and management of special patient populations. Supervised field experience that includes at least 10 patient contacts outside school hours is required. Students must complete a minimum of 85 percent of the didactic and lab aspects of the course, per 12VAC5-31-1501. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization HOSA (optional).

Medical Assistant 1 (8345)

Prerequisite: Grade 11 or 12, Introduction to Health Sciences

Credit: 2.0 GPA: 4.0 **VWCC**

Students will focus on the administrative components of healthcare. Students will explore health insurance, billing and coding, as well as communication techniques with patients and other healthcare providers. Students also will gain foundational knowledge in basic anatomy and physiology, pharmacology, medical ethics, medical asepsis, medical terminology, medical mathematics, and legal responsibilities. Students also develop basic skills and techniques to assist the healthcare provider and/or other medical professionals in patient examinations, basic life support (BLS through AHA), simple laboratory tests, and administrative duties. Additionally, students explore medical assisting career pathways through HOSA-Future Health Professionals and potential on-the-job clinical instruction and/or observation in a healthcare facility. Successful students will be eligible

to take a national credential exam offered by National Healthcare Association, CMAA (Certified Medical Administrative Assistant). Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization HOSA (optional).

Medical Assistant 2 (14151B)

Prerequisite: Medical Assistant 1

Credit: 2.0 GPA: 4.0 **VWCC**

In the second year of study, students gain foundational knowledge in basic anatomy and physiology, medical ethics, medical asepsis, terminology, medical mathematics, and legal responsibilities. Students will develop skills and techniques to assist the healthcare provider and/or other medical professionals in patient examinations, basic emergency care, and simple laboratory tests. Students enrolled in in this course have the opportunity to join the Career and Technical Student Organization HOSA (optional).

History & Social Science

World History: Modern (04053A)

Prerequisite: None

Credit: 1.0 GPA: 4.0

World History: Modern incorporates a study of history and geography from the late Middle Ages (1500 AD) to the present with a strong emphasis on the history and development of western civilization. Topics include the evolution of nation-states, scientific and technological revolutions which create new economic models, social and political changes, and the biographies of individuals who contributed to the societal development. Strong connections will be drawn between historical events and contemporary issues.

AP World History: Modern (2342AP)

Prerequisite: Grades 9-12, An "A" in previous Social Studies courses is recommended

Credit: 1.0 GPA: 5.0

This course is an introductory-level college course in modern world history. Students will study the cultural, economic, political, and social developments that have shaped the world from c. 1200 CE to present. Students will analyze visual texts, visual sources, and other historical evidence and write essays expressing historical arguments. Outside of classroom reading/assignments are an expected part of an AP course.

World History: Ancient (04052)

Prerequisite: Grade 10-12; or Modern World History

Credit: 1.0 GPA: 4.0

World History: Ancient examines the historical development of the world, its peoples, and the patterns of life and its development. Students will study their heritage and traditions from prehistory to 1500 AD. The course emphasizes the Greek, Roman, and Byzantine cultures and the role played by the Mediterranean nations in the development of the Western world. Eastern cultures of India, China, Japan, Africa, and Central America will also be examined.

AP Human Geography (2310AP)

Prerequisite: Grades 10-12. A "B" or better in previous Social Studies courses is strongly recommended.

Credit: 1.0 GPA: 5.0

This course is an introductory college-level human geography course. Students cultivate their understanding of human geography through data and geographic analyses as they explore topics like patterns and spatial organization, human impacts and interactions with their environment, and spatial processes and societal changes. Outside of classroom reading/assignments are an expected part of an AP course.

Virginia and U.S. History (04101A)

Prerequisite: Grade 11

Credit: 1.0 GPA: 4.0

This course is a survey of United States History from the pre-colonial period to the present. Emphasis is placed on mastering social studies skills, studying important people and events, developing historical concepts, and relating current issues to historical events. The study is chronological and complements 11th grade literature. Virginia and United States History fulfills the United States History requirement for graduation.

AP U.S. History (04104AP)

Prerequisite: Grade 11, A grade of "A" in previous social studies course is strongly recommended. A pass advanced on a previous SOL writing test is recommended.

Credit: 1.0 GPA: 5.0

This is the equivalent of a two-semester survey course in college. Students investigate significant events, individuals, developments, and processes in nine historical periods from 1491 to the present. Strong writing background recommended; AP level essays are a major component of this class. Outside of classroom reading/assignments are an expected part of an AP course.

Virginia and U.S. Government (04151A)

Prerequisite: Grade 12

Credit: 1.0 GPA: 4.0

This course surveys the basic principles of American Government and is designed to help students understand the structure, function and operation of local, state and federal government. The course provides an examination of politics, which should be a part of every citizen's education, and fulfills the government requirement for graduation.

AP Government and Politics: (04157A)

Prerequisite: Grade 12, US/VA History

Credit: 1.0 GPA: 5.0

This course provides a college-level, nonpartisan introduction to key political concepts, ideas, institutions, policies, interactions, roles, and behaviors that characterize the constitutional system and political culture of the United States. Analysis of Supreme Court cases, policy topics, and constitutional issues will be a focus. Strong writing background recommended; AP level essays are a major component of this class. The course includes an end of course AP exam that universities use to evaluate whether qualified students receive college credit or advanced placement. Outside of

classroom reading/assignments are an expected part of an AP course.

U.S. Wars & Military Conflicts (04110)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course is a survey of the history of the United States Military, and all the branches that comprise it, from the French and Indian War to the present era. Emphasis will be placed on the major conflicts the military has been a part of, and the individual development of each branch of the military.

African American History (2372)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course will survey African American history from precolonial Africa through the present. Students will be introduced to key concepts in African American history from early beginnings in indigenous Africa through the transatlantic slave trade, the Civil War, Emancipation, Reconstruction, the Civil Rights era and into the present. The course, offered in a variety of learning models, will give students an opportunity to explore social events and processes, individuals and agency, documents and institutions; and analyze past and present positions for future implications for African Americans. This course does require students to complete a Capstone project.

Law Studies (04162)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Law Studies is designed to help students develop an understanding of basic civil and criminal law and their legal rights and responsibilities. Other areas to be studied include civil rights, juvenile rights, law enforcement procedures and the penal system. Students will visit the local jail, the courthouse, and will attend a jury trial. Law enforcement officers will be invited to speak to the class about their particular interest areas.

Sociology (2500)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Sociology is the study of society, its structure, and its dynamics. There is a major focus on culture and its role in shaping individuals and their values. Modern social problems are also examined. The study is achieved through classroom lecture, discussion, experiments, outside readings, guided research and projects.

Psychology (2900)

Prerequisite: None

Credit: 0.5 GPA: 4.0

Psychology provides students opportunities for understanding themselves. The course provides background for the study of post-secondary psychology through the explanation of its various fields. Emphasis will be on practical insights into everyday behavior and on a survey of the major areas of study in psychology. Topics of study include learning, memory and thought, the body and behavior, sensation and perception, stress, developmental psychology and relational psychology.

AP Psychology (2910AP)

Prerequisite: Grades 10-12

Credit: 1.0 GPA: 5.0

This is an introductory college-level psychology course. Students cultivate their understanding of the systematic and scientific study of human behavior and mental processes through inquiry-based investigations as they explore concepts like the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology.

Mathematics

Algebra 1 (3130)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Algebra 1 is one way to begin the sequence of earning three credits of mathematics. Topics to be studied include fundamental algebraic language, the real number system, linear and quadratic equations and inequalities, polynomials, factoring, coordinate graphing, systems of linear equations and inequalities, rational expressions, radicals, and regression.

Geometry (3143)

Prerequisite: Algebra 1

Credit: 1.0 GPA: 4.0

This course deals with the Euclidean geometry of points, lines, and planes. Emphasis is placed on deductive reasoning and algebraic problem-solving skills through the study of geometric theorems and proofs. Arithmetic and algebraic skills are required. This class includes a study of coordinate and transformational geometry and trigonometry of right triangles.

Algebra Functions and Data Analysis (3134)

Prerequisite: Algebra 1, Grades 10 -12

Credit: 1.0 GPA: 4.0

This course is designed for students who have completed Algebra 1 standards. The content covered includes key topics from Algebra 1 that are expanded to include many of the Algebra 2 standards.

Algebra 2 (3135)

Prerequisite: Algebra 1 and Geometry

Credit: 1.0 GPA: 4.0

Algebra 2 is designed to be an extension and a reinforcement of Algebra 1. New concepts that broaden algebraic reasoning are introduced. Topics include the study of quadratic equations and inequalities, radical and rational expressions and equations, transformations, graph analysis, logarithms, polynomials, and statistics.

Algebra 2 with Intro to Trig: Honors (3135H)

Prerequisite: Algebra 1 and Geometry

Credit: 1.0 GPA: 4.5

Algebra 2 with Intro to Trigonometry Honors covers all

Algebra 2 Standards of Learning topics and provides students with an introduction to Trigonometry.

Trigonometry (3151)

Prerequisite: Alg. 2 or Alg. 2 with Intro to Trig: Honors
Credit: 1.0 GPA: 4.0

This course builds on the topics covered in Algebra 2. It covers determining the domain, performing operations with transformational graphing and symmetry, and finding inverses of functions, including polynomial, exponential, and logarithmic. It also provides a thorough treatment of trigonometry. Topics studied include trigonometry of right and oblique triangles, The Unit Circle, graphs of trigonometric functions, inverse trigonometric functions, and trigonometric identities and equations.

Data Science (02911)

Prerequisite: Geometry and Algebra 2; recommended for 12th grade students.
Credit: 1.0 GPA: 4.0

This course's nontraditional treatment of mathematical concepts will help students develop conceptual understanding by supporting them in making connections between concepts and applying previously learned material to new contexts. This course allows students to do mathematics with real data, wherein students will prepare for success in future courses, gain skills for the workplace, and become better-informed consumers of data and reports.

AP Precalculus (3162AP)

Prerequisite: Algebra 2 with Intro to Trig: Honors or Trigonometry
Credit: 1.0 GPA: 5.0

AP Precalculus prepares students for college-level mathematics and science courses and covers content and skills that are foundational for careers in mathematics and science. Students will study numerous function types through graphical, numerical, verbal, and analytical representations, including applications in a variety of contexts. Course topics include polynomial and rational functions, exponential and logarithmic functions, trigonometric and polar functions, and functions involving parameters, vectors, and matrices. Outside of classroom reading/assignments are an expected part of an AP course.

AP Statistics (3192)

Prerequisite: Algebra 2; It is strongly recommended that students have taken either Trigonometry or AP Precalculus.
Credit: 1.0 GPA: 5.0

AP Statistics is equivalent to a one-semester, introductory, non-calculus-based college course in statistics, and covers major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are 4 topics in the AP Statistics course: exploring data, sampling and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding. Outside of classroom reading/assignments are an expected part of an AP course.

AP Calculus AB (3177)

Prerequisite: AP PreCalculus
Credit: 1.0 GPA: 5.0

AP Calculus AB is an introductory college-level calculus course. This course is the study of limits, derivatives, definite and indefinite integrals, and the Fundamental Theorem of Calculus. The course covers material typically included in first semester college calculus. Outside of classroom reading/assignments are an expected part of an AP course.

AP Calculus BC (3178)

Prerequisite: AP Calculus AB
Credit: 1.0 GPA: 5.0

AP Calculus BC extends the content learned in AP Calculus AB. This course covers topics in differential and integral calculus, including concepts and skills of limits, derivatives, definite integrals, the Fundamental Theorem of Calculus, and series. The course teaches students to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions. Outside of classroom reading/assignments are an expected part of an AP course.

Performing Arts

Choral Music

Chorale (9289)

Prerequisite: Audition
Credit: 1.0 GPA: 4.0

This chorus requires the highest degree of performance from every member and further develops individual vocal skills and musical understanding. Previous training in one of the other choral ensembles is helpful but not necessary. Emphasis is placed on individual vocal production, sight-reading, music fundamentals and vocal techniques. **This is a performance-based class. After-school rehearsals and performances are required unless released by director.**

Vocal Ensemble (9280VE)

Prerequisite: None
Credit: 1.0 GPA: 4.0

This choir is an intermediate level ensemble. Repertoire will be challenging and prior experience in other choral ensembles is recommended but not required. The following fundamentals of good choral singing will be further developed: musical literacy, healthy tone production, and musicianship. **This is a performance-based class. After school rehearsals and performances are required unless released by director.**

Instrumental Music

Concert Band (9233)

Prerequisite: Open to all students, **but must have instrumental experience**

Credit: 1.0 GPA: 4.0

This course is primarily for entry-level students who would like to improve their instrumental skills. Emphasis is on group instruction, and private practice by the student.

This is a performance-based class, and after school rehearsals and performances are required unless released by director.

Symphonic Band (9298)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

Students in this group already read music and want to improve their instrumental skills. Emphasis is placed on learning to perform with a group of musicians at a higher level. **This is a performance-based class, and after school rehearsals and performances are required unless released by director.**

Percussion (9250)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

The percussion ensemble provides an opportunity for students to perform music written for that particular instrumentation. In addition to that body of literature, transcriptions of large orchestral works and smaller chamber ensembles are often included, allowing percussionists the opportunity to participate in the performance of music that would be a valuable vehicle in the development of the student's musical awareness of form, style, interpretation.

Jazz Band (9297)

Prerequisite: Audition

Credit: 1.0 GPA: 4.0

This advanced music ensemble allows students to perform jazz music. This course requires the highest degree of performance from members, and further develops instrumental skills and techniques. Emphasis is placed on improvisation, sight-reading, and ensemble playing. Students have numerous opportunities to perform publicly. **This is a performance-based class. After school rehearsals and performances are required unless released by director.**

Marching Band (9296)

Co-requisite for Instrumentalists: Enrollment in an additional band class or instructor permission.

Prerequisite for Auxiliaries: Audition/instructor permission.

Credit: 0.5 GPA: 4.0

This award-winning organization performs at SHS football games, parades in the community, and at contests with other high school bands. An audition is required. At times the contests require the band to travel out of state on overnight trips. **There is a financial commitment required to be a member.** Marching band begins rehearsals in late July/early August (depending on the school calendar). Students typically rehearse 4 days a week before school begins and attend band camp for 1 week out of town. During the first

semester, the band rehearses 2 days a week after school. Students who play the piano can perform with the band on keyboard instruments. Membership in the organization is voluntary; however, participation in a band class is required unless excused by the Director. There will be open tryouts for students wishing to participate exclusively in auxiliary units (flags, rifles, sabres, dance, etc.) Members of the Auxiliary do not have to be enrolled in a band class.

This is a performance-based class, and all rehearsals and performances are required.

Piano Lab 1 (05107A)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course will provide students an introduction to, and refine the fundamentals of, music and keyboard including literature and techniques such as scales, chords, and melodic lines and may offer instruction in more advanced techniques. Formal and informal performances are typically included as well as experiences in creating and responding to music.

Beginning Guitar (05108A)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This course will provide students an introduction to, and refine the fundamentals of, music and guitar including literature and techniques such as scales, chords, and melodic lines and may offer instruction in more advanced techniques. Formal and informal performances are typically included as well as experiences in creating and responding to music.

Guitar Ensemble (05108B)

Prerequisite: Beginning guitar or audition

Credit: 1 GPA: 4.0

Students in this group already read music and want to improve their instrumental skills. Emphasis is placed on learning to perform with a group of musicians at a higher level than in Beginning Guitar. This class would perform at multiple points throughout the year as students learn to navigate the guitar using new, more advanced techniques.

Theatre

Theatre I: Intro to Theatre (05052)

Prerequisite: None

Credit: 1.0 GPA: 4.0

This course focuses on the study and performance of drama in its many forms, including musical theater, drama, and comedy. Students participate in several performances throughout the year.

Theatre II: Literature & History (05059)

Prerequisite: Theatre I

Credit: 1.0 GPA: 4.0

This courses explore in depth the structure, elements, and style of dramatic compositions, and, as an extension, how the dramatic literature influenced theatrical production and acting styles throughout history. Major contributors (i.e.

playwrights, directors, designers) and the architecture of the theater may also be included as topics of study. Students participate in several performances throughout the year.

Theatre III: Acting & Playwriting (05058)

Prerequisite: Theatre II
Credit: 1.0 GPA: 4.0

This course helps students understand and employ writing and acting principles, and refine technical theatre techniques, in order to create original scripts suitable for theater production. Students participate in several performances throughout the year.

Theatre IV: Adv. Acting & Directing (05057)

Prerequisite: Theatre III
Credit: 1.0 GPA: 4.0

This course focuses on developing students' skills in translating a script into a final production. This course enables students to create an artistic vision and develop a personal aesthetic. This course will also expose students to different types of theatrical techniques and traditions and provide students with opportunities to direct the performances of others. Students participate in several performances throughout the year.

Science

Environmental Science (03003)

Prerequisite: None
Credit: 1.0 GPA: 4.0

Environmental Science covers the following areas: biodiversity, population studies, pollution, natural resources, ecosystems and biomes, atmosphere and climate change, and food and agriculture. Students will investigate these areas through projects, lab work, and discussions.

Biology: Honors (03051H)

Prerequisite: Grade 9 or 10; Strongly recommend a grade of B or better in Physical or Earth Science.
Credit: 1.0 GPA: 4.5

This course is designed as an inquiry-based course for students who want to learn Biology at an accelerated pace leaving time to conduct more laboratory investigations and research-based projects. It is designed to prepare students for AP Biology or a first-year college course in Biology. This course aligns with the pre-AP Biology curriculum. Outside of classroom reading/assignments are an expected part of an honors course.

Biology I (03051)

Prerequisite: Grade 10
Credit: 1.0 GPA: 4.0

Biology provides a detailed understanding of living systems. Emphasis is on laboratory activities with controlled experiments and dissection. Key topics include biochemical life processes, cellular organization, classification, genetics, evolution, and ecology. It presents the fundamentals

of science stressing the importance of scientific research and the application of scientific concepts to everyday life.

AP Biology (03056AP)

Prerequisite: Grade 11 or 12; A grade of B or better in Honors Biology and Honors Chemistry strongly recommended
Credit: 1.0 GPA: 5.0

This course is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore topics like evolution, energetics, information storage and transfer, and system interactions. Outside of classroom reading/assignments are an expected part of an AP course.

Chemistry: Honors (03101H)

Prerequisite: Algebra 1; Grades 10 or 11; A strong math background is recommended
Credit: 1.0 GPA: 4.5

This course is designed as an inquiry-based course for students who want to learn Chemistry at an accelerated pace leaving time to conduct more laboratory investigations and research-based projects. It is designed to prepare students for AP Chemistry or a first-year college course in Chemistry. This course aligns with the pre-AP Chemistry curriculum. Outside of classroom reading/assignments are an expected part of an honors course.

Chemistry (03101)

Prerequisite: Algebra 1; Grades 10-12; A strong math background is recommended.
Credit: 1.0 GPA: 4.0

Chemistry is a very math-intensive course. This college preparatory course provides an introduction to the concepts of chemistry necessary to study chemistry at the college or nursing school level. Students interested in attending college at a four-year or two-year university should take this course. Units of study include: theories and mathematical concepts of matter, physical/chemical changes, the mole concept of equations and related mathematical problems, the periodic table, atomic/molecular structures, and a brief introduction to organic and nuclear chemistries, solutions, and acids/bases.

AP Chemistry (03106AP)

Prerequisite: Grades 11 or 12; Algebra 2 and Chemistry; a B or better is strongly recommended in both courses.
Credit: 1.0 GPA: 5.0

This course is an introductory college-level biology course. Students cultivate their understanding of chemistry through inquiry-based lab investigations as they explore the four big ideas: scale, proportion, and quantity; structure and properties of substances; transformations; and energy. Outside of classroom reading/assignments are an expected part of an AP course.

Earth Science I (03001)

Prerequisite: Grade 10-12

Credit: 1.0 GPA: 4.0

Earth Science is a content based course designed to develop an understanding of the interrelationships between meteorology, geology, oceanography, and astronomy. Hands-on activities and visual aides provide emphasis and interpret the continual changes of the earth. Key topics include Virginia's geologic development, natural resources, and the Earth's composition, structure, history, and total environment.

Earth Science II: Astronomy (03004)

Prerequisite: Grade 11 or 12

Credit: 1.0 GPA: 4.0

Astronomy courses offer students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. These courses usually introduce and use astronomic instruments and typically explore theories regarding the origin and evolution of the universe, space, and time.

Biology II: Anatomy and Physiology (03053)

Prerequisite: Grade 12; Biology I or Honors Biology

Credit: 1.0 GPA: 4.0

This course is designed for students in twelfth grade who are interested in advanced science, nursing, pharmacy, or other medically related fields. Basic chemistry of the body, cells and tissues, and the nine systems of the vertebrate animal are studied. Special emphasis is placed on exploring mammalian structure through dissection.

Physics (03151)

Prerequisite: Grade 11 or 12; Completed or enrolled in

Algebra 2, Strongly recommended that students are currently in a math class.

Credit: 1.0 GPA: 4.0

A first-year Physics course which covers the topics of one and two-dimensional motion, energy conservation, gravitational and circular motion, electricity and magnetism, momentum, and fluid dynamics. This requires students to use mathematical reasoning and experimental skills to solve problems. Students who expect to study engineering, medicine, or any science discipline are advised to enroll.

AP Physics 1 (03165AP)

Prerequisite: Grade 11 or 12; Completion of Algebra 2 or concurrent enrollment. Credit: 1.0 GPA: 5.0

A first or second year, algebra-based, introductory college-level physics course. Students cultivate their understanding of physics through classroom study, in-class activity, and hands-on, inquiry-based laboratory work as they explore concepts like, systems, fields, force interactions, change, conservation, and waves. Topics of study match a typical sequence of a first semester college physics course; 1 & 2 dimensional motion, harmonic & circular motion, universal gravitation, energy & momentum, and rotational dynamics. Outside of classroom reading/assignments are an expected part of an AP course.

AP Physics C (Mechanics) (03156AP)

Prerequisite: Completion of AP Calculus AB

Credit: 1.0 GPA: 5.0

A first or second year calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in one of the physical sciences or engineering. Students cultivate their understanding of physics through classroom study and activities as well as hands-on laboratory work as they explore concepts like systems, fields, force interactions, and conservation. Topics of study match a typical sequence of a first semester college physics course; 1 & 2 dimensional motion, harmonic & circular motion, universal gravitation, energy & momentum, and rotational dynamics. Outside of classroom reading/assignments are an expected part of an AP course.

AP Environmental Science (03207)

Prerequisite: Grade 11 or 12; Biology & One Additional Science Course

Credit: 1.0 GPA: 5.0

The goal of the AP Environmental Science course is to provide students with the scientific principles, concepts, and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/or preventing them. Outside of classroom reading/assignments are an expected part of an AP course.

Special Education

All special education students and their parents or guardians participate in developing an individualized educational program (IEP) of studies.

Education for Work 1 (S0960)

Prerequisite: Special Education Students in Grades 10-12
Credit: 1.0 GPA: 4.0

This course is recommended for students preparing for the world of work following high school. Instruction will include: reasons people work, interests, aptitudes and skills, job selection, locating employers and career exploration, planning and decision making. Students will have the opportunity to complete simulation activities, interests and aptitude inventories as well as regular textbook practices. Class activities will include: lecture/demonstration, group process, individual projects, guest lecture and field trips as appropriate.

Education for Work 2: Co-op (S0962)

Prerequisite: Special Education Students in Grades 10-12
Credit: 2.0 GPA: 4.0

Education for Work 2 Co-op is a course that facilitates movement or transition toward increased integration of students with disabilities into both in-school and community-based on-the-job training experiences. Instructional priorities for each student are based on

real world needs and lead toward increased independence and autonomy in his or her home and community. The focus of the course is meaningful, functional, and age appropriate in the school and community environment, using naturally-occurring materials and situations. Instruction is developed and driven by individual strengths and needs.

Start on Success: Employment Education (22901)

Prerequisite: Special Education students in grades 9-12
Credit: 1.0 GPA: 4.0

This class is a highly structured school-to-work program designed to increase the readiness for college and career success among high school students with disabilities. SOS is a year-long program in which students enroll in a career pathways course during the first semester and participate in a paid internship at a local business during the second semester of the school year. This course will enable students to make informed career and continuing education choices as they transition from school, gain technical skills, and adapt to the workplace. High-quality work-based learning (HQWBL) will provide experiential learning opportunities related to students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Resource (Sem. 1 - S0971 and Sem 2 - S0970)

Prerequisite: Special Education Students in Grades 9-12
Credit: 0.0 GPA: none

This class is designed for students requiring additional academic support beyond the regular classroom. Focus is given to developing learning and study strategies. Students will be expected to define compensatory skills to facilitate active learning in the regular classroom setting. Class activities will include but not be limited to time management, goal setting, problem solving and assignment analysis.

Supplemental Math Skills (Sem. 1 - S0909A and Sem. 2 - S0909B)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

Students receive both group and individualized instruction in this semester course designed to improve skills and processes necessary for the Algebra 1 and Geometry SOLs. This course also supports classroom instruction for both Algebra 1 and Geometry.

Supplemental English Skills (Sem 1. - S0908A and Sem. 2 - S0908B)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

This semester course supports reading instruction to prepare students for the reading and writing SOLs. Students receive individualized reading instruction based on their current reading level and instructional needs. This course works with students to increase reading comprehension, fluency, and decoding skills to make connections needed for meaningful interactions with text.

Life Skills (S0161)

Prerequisite: Determined by Case Manager through IEP
Credit: 1.0 (0.5) GPA: 4.0

This special education course is designed to meet individual needs of students as they transition from high school to adult living. The course emphasizes goal-setting, decision making and problem solving, communication, healthy lifestyles and relationships, nutrition, personal safety, citizenship and consumerism. The life skills curriculum changes each year based on student's needs and family input.

Adaptive Health (08057S)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

This Special Education Adaptive Health and Safety course is a semester course for students in grades 9 -12. The course provides students with the skills needed to make decisions that will affect their lives today and in the future. Topics include personal hygiene, proper nutrition, decision-making, sexuality, and First Aid/CPR.

Interpersonal Relations (7892)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

This course is designed to increase students' understanding of social skills and interpersonal relations. Students will be directly instructed in social skills topics related to their areas of need. Some areas may include: initiating conversations, maintaining conversations, taking turns to speak, nonverbal expressions, nonverbal actions, sarcasm, voice tone and volume, and other topics related to what skills the students are lacking or those skills needing improvement. The course is recommended for students with disabilities that need instruction in appropriate social skills. Students should be referred to the course by case managers.

Consumer Math

(Year 1 - 02002A, Year 2 - 02002B, Year 3 - 02002C, Year 4 - 02002D)

Prerequisite: Determined by Case Manager through IEP
Credit: 1.0 GPA: 4.0

This course is designed to increase students' understanding and applications of basic consumer skills that will help prepare them for making wise decisions during "life after graduation." It includes the study of personal income and banking, purchasing food and clothing, renting or buying a place to live, the purchase and maintenance of a car including insurance and taxes. Also included are the applications of ratios, proportions, percents and the mathematics of budgeting personal income. This course is recommended for juniors and seniors as a final math course.

Functional Skills

(Year 1 - 22907A, Year 2 - 22907B, Year 3 - 22907C, Year 4 - 22907D)

Prerequisite: Determined by Case Manager through IEP
Credit: 1.0 GPA: 4.0

This course is designed to build functional skills related to vocational training, community orientation, hygiene, and interpersonal relationships.

Adaptive Art (S0112)

Prerequisite: Determined by Case Manager through IEP
Credit: 1.0 GPA: 4.0

This special education course focuses on improving the creativity and fine motor skills of students with unique needs by providing meaningful art experiences. Processes explored include (but are not limited to) drawing, painting, printing, and sculpting.

Adaptive Music (S9296)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

In this class, students will be introduced to the basic fundamentals of music. Topics covered will include: basic music theory, rhythm practice, and music history. Students will also be introduced to a variety of musical instruments, and have opportunities to play percussion instruments collaboratively.

Adaptive Physical Education (7700)

Prerequisite: Determined by Case Manager through IEP
Credit: 0.5 GPA: 4.0

This course is structured to meet the needs of the permanently or temporarily disabled students. Such students require individualized instruction based upon their needs. This course will focus on enhancing physical fitness, muscle strength, flexibility, endurance, coordination and social development through a wide variety of activities and skill based movement.

Technology Education

Technical Drawing & Design (21101)

Prerequisite: None
Credit: 1.0 GPA: 4.0

This course is the first in a series of engineering courses explaining the fundamentals of drafting. Students discover and develop their talents in basic drafting with respect to industrial processes. Experience will be gained with all drawing tools and equipment with extensive use of computer-aided drafting. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Engineering Drawing (8436)

Prerequisite: Technical Drawing and Design
Credit: 1.0 GPA: 4.0

Engineering Drawing is a continuation of Basic Technical Drawing with emphasis on mechanical engineering. Students experience in greater depth the skills and techniques of mechanical engineering in a laboratory-oriented course. Typical engineering design problems will be stressed and explored. There will be advanced assignments and applications in computer-aided design. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA (optional).

Architectural Drawing (8437)

Prerequisite: Technical Drawing and Design
Credit: 1.0 GPA: 4.0

Architectural Drawing emphasizes designing a home of the student's choice and making a complete set of plans for that home. The student will draw floor plans; electrical plans; exterior elevations; detail drawing of walls, stairs, fireplaces, and other illustrations of the house. Advanced applications in computer-aided design will be stressed heavily. This course provides information helpful to the future homeowner, homebuilder, interior designer, interior decorator, or future architect. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Robotics (8421)

Prerequisite: Technical Drawing and Design
Credit: 1.0 GPA: 4.0

Students will engage in the study of computers and microprocessors and their applications to manufacturing, transportation, and communication systems. Topics include computer equipment and operating systems, robotics, programming, control systems, and social/cultural impact of these technologies. Problem-solving activities would challenge students to design, program, and interface devices with computer systems. Learning activities include robotics, computer-aided design, computer-aided manufacturing, and design and control of electromechanical devices. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA Membership in TSA is optional.

Manufacturing Systems (13002)

Prerequisite: Robotics or Instructor Approval
Credit: 1.0 GPA: 4.0

This course provides an orientation to careers in various field of manufacturing. Emphasis will be placed on manufacturing systems, safety, materials, production, business concepts, and the manufacturing process. Students participate in individual and team activities to create products that demonstrate critical elements of manufacturing. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization TSA (optional).

Trades & Industrial Education

Intro to Trade & Industry (9075)

Prerequisite: 9th or 10th grade; 11th and 12th may only request as an alternate
Credit: 0.5 GPA: 4.0

This course is designed to provide students with an introduction to Automotive & Diesel Technology, Auto Body, and Welding. Topics will include career strategies, safety, tools, analysis, introductory auto mechanics, introductory auto body, and introductory welding. Students signing up for this course will complete three 6 week rotation explor-

atories of each of these three fields. Students enrolled in the class will take the Workplace Readiness Skills Test. Students enrolled in this class will have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional.

Auto Body 1 (8676)

Prerequisite: Grades 10-11; Intro to Trade and Industry
Recommended. Grade 12 May only request as an alternate.

Credit: 1.0 GPA: 4.0

Auto Body 1 is a one-period year course designed to train students for entry level employment in the auto body service area. Students will receive training in all phases of restoring damaged vehicles. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Auto Body 2 (8677)

Prerequisite: Auto Body 1; CTE WBL Training Agreement
Credit: 2.0 GPA: 4.0

Auto Body 2 is a two-period block, yearlong course designed to advance students for employment in the auto body service area. Students will be trained on modern up-to-date equipment including a complete paint booth. Auto Body 2 students may participate in local, state, and national Skills USA events. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Auto Body 3 (8678A)

Prerequisite: Auto Body 2 and instructor permission; CTE WBL Training Agreement

Credit: 2.0 GPA: 4.0

This course builds upon the skills learned in Auto Body 2. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Automotive Technology 1 (8506)

Prerequisite: Grades 10-11; Intro to Trade and Industry
Recommended. Grade 12 May only request as an alternate.

Credit: 1.0 GPA: 4.0

In this course, students explore, handle, and perform basic functions in engine repair, automatic transmission and transaxle, manual drive train and axles, suspension and steering systems, and brakes as they prepare for Ford and ASE (Automotive Service Excellence) certifications. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Automotive Technology 2 (8507)

Prerequisite: Grades 11-12; Automotive Technology 1; CTE WBL Agreement

Credit: 2.0 GPA: 4.0

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, suspension and steering systems, and brakes. They also learn about electrical, electronic, and HVAC systems in automobiles. Upon successful completion of the course, students will be eligible to take the Entry Level Automotive Service Excellence (ASE) Student Certification examinations. Students will be a part of the Spartan Automotive workplace simulation program where students work on customer vehicles in our shop. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Automotive Technology 3 (8508A)

Prerequisite: Automotive Technology 2 and instructor permission; CTE WBL Agreement

Credit: 2.0 GPA: 4.0

This course prepares students to perform automotive diagnosis and repairs in the following areas: engine repair, cooling systems, transmission 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 enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical

Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Welding 1 (8672)

Prerequisite: Grades 10-11; Intro to Trade and Industry Recommended. Grade 12 May only request as an alternate.

Credit: 1.0 GPA: 4.0

Welding I is a one period year long course designed to teach the safe and proficient use of all welding equipment/processes in flat, horizontal, and vertical welding positions. Additionally, students will fabricate and design welding projects using blueprints as a guide. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Welding 2 (8673)

Prerequisite: Welding 1 & OSHA 10 Certification; Grade 11 or 12; CTE WBL Agreement

Credit: 2.0 GPA: 4.0

Welding 2 is a two period year long course. Students will focus on demonstrating mastery of SMAW (Shielded Metal Arc Welding) and GMAW (Gas Metal Arc Welding) by successfully passing welding qualifications in accordance with the American Welding Society D1.1 "Structural Steel Welding Code" during this course. Additionally, there will be an emphasis on fabrication and design with the expectation for students to participate in the Simulated Workplace Program. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class

Welding 3 (8674)

Prerequisite: Welding 2 & OSHA 10 Certification; Grade 12; instructor permission; CTE WBL Agreement

Credit: 2.0 GPA: 4.0

This course builds upon the skills learned in Welding 2. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Cosmetology I (8527)

Prerequisite: 9-10 Grade, Completed Application, Students in Grade 11 and 12 may only request Cosmetology 1 as an alternate

Credit: 2.0 GPA: 4.0

In this course, students study hair, skin, and nails and their related care. Students are grounded in theory and prepare to practice procedures in a clinical lab setting or classroom, using manikins for manipulative skill practice. The course emphasizes personal safety, professionalism, and sanitation and disinfection of equipment and facilities. Students develop skills in shampooing and conditioning hair, as well as styling and cutting hair. They are introduced to chemical texture services and develop skills in manicure and pedicure procedures. Cosmetology students must satisfy a minimum of 840 hours of instruction in a three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA Membership in SKILLS USA is optional.

Cosmetology 2 (8528)

Prerequisite: Cosmetology 1 and Grades 10-11. Students in Grade 12 may only request Cosmetology 2 as an alternate; WCTE WBL Agreement

Credit: 2.0 GPA: 4.0

In this continuing 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 permanent waves, relaxers, lightening, and coloring hair. In addition, students learn to care for skin, hands, and feet, developing experience in providing facials, manicures, pedicures, and nail enhancements. Students will be introduced to a business management unit with a focus on managing the salon. Cosmetology students must satisfy a minimum of 840 hours of instruction in a three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

Cosmetology 3 (8529)

Prerequisite: Cosmetology 2; CTE WBL Agreement

Credit: 2.0 GPA: 4.0

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. In addition, 3rd year 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 school year. Cosmetology students must satisfy a minimum of 840 hours of instruction in a three-year coherent sequence of courses to be eligible to take the Board for Barbers and Cosmetology licensing examination. Upon successful completion of the program, students may earn the Virginia Board for Barbers and Cosmetology license. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SKILLS USA. Membership in SKILLS USA is optional. This class is part of Salem High School's Simulated Workplace and School-Based Enterprise. Enrollment in this class requires students to complete and submit the Career and Technical Education (CTE) Work-Based Learning Training Agreement. This agreement outlines the expectations, responsibilities, and requirements for participation in the program. Failure to submit the agreement may result in ineligibility to participate in the class.

T & I Co-op (Auto Tech - 8508B, Auto Body - 8678B, or Welding - 8674B)

Prerequisite: Grade 12; Must be in Automotive Technology 3, Auto Body 3, or Welding 3; Instructor Permission is Required

Credit 1.0 GPA: 4.0

The T&I Co-op allows students in the 3rd year of a trades class to earn additional credit and gain valuable work experience by working in the Automotive, Collision Repair, or Welding Industries. Students must have a minimum of 396 hours of continuous, supervised, on-the-job training during the school year in an instructor approved business.

Note: Students requesting Co-op will have a study hall and will NOT be released early from school until they have an approved and verified job and have turned in all necessary Co-op paperwork. Additionally, Unsatisfactory progress in their trades class will result in removal from the Co-op privilege, and if any student enrolled in the T&I Co-op loses or quits the approved job, the student will return to a study hall and will NOT be allowed to leave school early.

Criminal Justice 1 (15051)

Prerequisite: Grade 10 and 11

Credit 1.0 GPA: 4.0

Students are introduced to law, public safety, corrections, and security practices. Students examine contemporary issues in the criminal justice system and explore crime scene investigation, criminal investigation, court procedures, policing, and juvenile justice. This course provides a foundation for careers as lawyers, forensics specialists, emergency communications professionals, and law enforcement and corrections officers. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SkillsUSA. Membership in SkillsUSA is optional.

Criminal Justice 2 (15051A)

Prerequisite: Criminal Justice 1; Grade 11 and 12

Credit 1.0 GPA: 4.0

Students apply knowledge learned in Criminal Justice I through practical scenarios involving crime scene investigation, criminal investigation, and crisis intervention. Students explore trends in correctional standards and in identifying and preventing terror threats. This course prepares students for careers as lawyers, forensics specialists, emergency communications professionals, and law enforcement and corrections officers. Students enrolled in this course have the opportunity to join the Career and Technical Student Organization SkillsUSA. Membership in SkillsUSA is optional.

Introduction to Teachers for Tomorrow

(19199)

Prerequisite: None

Credit: 0.5 GPA: 4.0

This exploratory course fosters student interest in, understanding of, and appreciation for the teaching profession and introduces students to careers in education. Students will develop self-awareness, collaborate with peers, build positive learning environments, and discover learner differences. The curriculum is designed to help students set attainable professional goals in the education and training career cluster. This course introduces students to the high school Virginia Teachers for Tomorrow (VTfT) program. 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 students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Virginia Teachers for Tomorrow 1 (19151)

Prerequisite: None

Credit: 1.0 GPA: 4.0

Virginia Teachers for Tomorrow (VTfT) I fosters student interest, understanding, and appreciation of the teaching profession and allows secondary students to explore careers in the education and training career cluster and related pathways. Students build a foundation for teaching; learn the history, structure, and governance of teaching;

apply professional teaching techniques in classroom and field experiences; and reflect on their teaching experiences. 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 students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

Virginia Teachers for Tomorrow 2 (19151A)

Prerequisite: Virginia Teachers for Tomorrow 1

Credit: 1.0 GPA: 4.0

Students continue to explore careers in the education and training career cluster and related pathways. This course provides hands-on opportunities for students to examine careers in education, observe professional practice, and apply professional standards and educational theory. In an authentic practicum experience, students will be able to teach lessons, manage classrooms, create learning opportunities, and build their professional portfolio in the process. 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 students' career goals and/or interests, integrated with instruction, and performed in partnership with local businesses and organizations.

World Languages

French

French 1 (5110)

Prerequisite: A grade of "C" or better in current English and Math class is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed to introduce the student to the French language using everyday French vocabulary. The student will develop novice level interpersonal, interpretive, and presentational modes of communication and will be able to describe self and family members. The geography and the culture of France and other French speaking countries are also introduced. **Students requesting a 1st year of a World Language also must make an alternate language choice.**

French 2 (5120)

Prerequisite: French 1; A grade of "C" or better in French 1 is strongly recommended

Credit: 1.0 GPA: 4.0

French 2 further develops the skills of listening, speaking, reading and writing in the language. A more formal study of grammar and vocabulary building is stressed and accomplished through drills, readings, and written original paragraphs. Cultural awareness development continues.

French 3 (5130)

Prerequisite: French 2; A grade of "C" or better in French 2 is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed for the serious language student who has excelled in Levels 1 and 2. It offers an in-depth study of grammar and vocabulary which provide the means for student expression in spoken and written form. Emphasis is placed on the student's ability respond to and communicate practical needs and opinions and to extract information from different texts. Daily class participation in the language is expected. The course fulfills the requirement for the advanced studies diploma as well as preparing students for the next two levels of the International Baccalaureate course of study.

French 4: Honors (5140)

Prerequisite: French 3; A grade of "B" or better in French 3 is strongly recommended

Credit: 1.0 GPA: 4.5

In this course, students further develop their understanding of language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

AP French Language & Culture (5150AP)

Prerequisite: French 4

Credit: 1.0 GPA: 5.0

This course is equivalent to an intermediate level college course in French. Students cultivate their understanding of French language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges. Outside of classroom reading/ assignments are an expected part of an AP course.

German

German 1 (5210)

Prerequisite: A grade of "C" or better in current English and Math class is strongly recommended

Credit: 1.0 GPA: 4.0

This course is designed to introduce the student to the German language and culture using everyday German vocabulary. The student will develop novice level interpersonal, interpretive, and presentational modes of communication and will be able to describe self and family members. **Students requesting a 1st year of a World Language also must make an alternate language choice.**

German 2 (5220)

Prerequisite: German 1; A grade of "C" or better in German 1 is strongly recommended

Credit: 1.0 GPA: 4.0

This course further develops the interpersonal, interpretive, and presentational modes of communication at the novice

high and intermediate low levels. Students will express information about others and their community. Vocabulary building is stressed and accomplished through numerous listening, reading, writing, and speaking activities. Students will learn about customs and traditions in various German speaking countries.

German 3 (5230)

Prerequisite: German 2; A grade of "C" or better in German 2 is strongly recommended
Credit: 1.0 GPA: 4.0

This course is designed for the serious language learner who has excelled in German 1 & 2 and desires to develop interpersonal, interpretive, and presentational modes of communication at the intermediate level. Students will express information about their community and world while learning about history and culture of German speaking countries. Emphasis is placed on responding to and communicating practical needs and expressing opinions. The course fulfills the requirement for the advanced studies diploma.

German 4: Honors (5240)

Prerequisite: German 3; A grade of "B" or better in German 3 is strongly recommended. Grade 11 or 12.
Credit: 1.0 GPA: 4.5

In this course students further develop their understanding of language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

AP German Language & Culture (5250AP)

Prerequisite: German 4
Credit: 1.0 GPA: 5.0

This course is equivalent to an intermediate level college course in German. Students cultivate their understanding of German language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Outside of classroom reading/assignments are an expected part of an AP course.

Spanish

Spanish 1 (5510)

Prerequisite: A grade of "C" or better in current English and Math class is strongly recommended
Credit: 1.0 GPA: 4.0

This course is designed to introduce the student to the Spanish language and culture using everyday Spanish vocabulary. The student will develop novice level interpersonal, interpretive, and presentational modes of communication and will be able to describe self and family members.

Students requesting a 1st year of a World Language also must make an alternate language choice.

Spanish 2 (5520)

Prerequisite: Spanish 1; A grade of "C" or better in Spanish 1 is strongly recommended.
Credit: 1.0 GPA: 4.0

This course further develops the interpersonal, interpretive, and presentational modes of communication at the novice high and intermediate low levels. Students will express information about others and their community. Vocabulary building is stressed and accomplished through numerous listening, reading, writing, and speaking activities. Students will learn about customs and traditions in various Spanish speaking countries.

Spanish 3 (5530)

Prerequisite: Spanish 2; A grade of "C" or better in Spanish 2 is strongly recommended
Credit: 1.0 GPA: 4.0

This course is designed for the serious language learner who has excelled in Spanish 1 & 2 and desires to develop interpersonal, interpretive, and presentational modes of communication at the intermediate level. Students will express information about their community and world while learning about history and culture of Spanish speaking countries. Emphasis is placed on responding to and communicating practical needs and expressing opinions. The course fulfills the requirement for the advanced studies diploma.

Spanish 4: Honors (5540A)

Prerequisite: Spanish 3; A grade of "B" or better in Spanish 3 is strongly recommended. Grade 11 or 12.
Credit: 1.0 GPA: 4.5

In this course students further develop their understanding of language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and community, personal and public identity, beauty and aesthetics, science and technology, contemporary life, and global challenges.

AP Spanish Language & Culture (5550AP)

Prerequisite: Spanish 4
Credit: 1.0 GPA: 5.0

This course is equivalent to an intermediate level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global challenges. Outside of classroom reading/assignments are an expected part of an AP course.

Spanish for Fluent Speakers

(Year 1 - 5510EL, Year 2 - 5520EL, Year 3 - 5530EL)

Prerequisite: None for heritage learners, Spanish 4 and teacher recommendation for non-heritage learners.

Credit: 1.0 GPA: 4.0

Heritage Speakers is an opportunity for native speakers to develop formal language skills in Spanish. Students will learn about diverse cultures and current events, especially those affecting the Spanish-speaking world. With study of authentic texts, students will improve their reading comprehension abilities. They will also develop their formal communication through oral presentations and essay writing. Instruction will emphasize the rules of Spanish phonetics and grammar, to support students' accurate communication across skill domains.

En este curso aprenderás sobre las diversas culturas y los eventos actuales del mundo, en específico los que afectan al mundo hispanohablante. Mejorarás tu comprensión de lectura en español. También desarrollarás tus competencias comunicativas orales y escritas.

SHS Electives

ART

Adobe Illustrator
Adobe Photoshop
Advanced Drawing
Advanced Graphic Arts
Advanced Painting
AP Drawing
Art Foundations
Beginning Painting
Ceramics 1, 2, & 3
Digital Photography

BUSINESS & MARKETING

Accounting
AP Economics
Business Law
COE
Computer Information Systems
Design, Multimedia, and Web Technologies
Entrepreneurship & Entrepreneurship Advanced
Business Management: Honors
Economics and Personal Finance
Introduction to Fashion Careers
Marketing
Marketing Exploration: Sports and Entertainment
Microsoft Office
Sports & Entertainment Management
Strategic Marketing

COMPUTER SCIENCE

Advanced Programming
AP Computer Science A (Java)
AP Computer Science Principles
Computer Science Programming
Cybersecurity 1
Computer Science Foundations
Cybersecurity Fundamentals
Introduction to Artificial Intelligence

ENGLISH

Creative Writing 1
Creative Writing 2
Classical Mythology
Photojournalism: Yearbook

FAMILY AND CONSUMER SCIENCES

Introduction to Culinary Arts
Culinary Arts 1 & 2
Intro to Early Childhood Education
Early Childhood Education 1 & 2
ECE Internship
ELED Internship

HISTORY AND SOCIAL SCIENCES

African American History
AP Psychology
Law Studies
Psychology
Sociology
U.S. Wars & Military Conflicts

HEALTH SCIENCES

Medical Terminology
Emergency Medical Technician 1 & 2
Introduction to Health Science
Medical Assistant 1 & 2
Sports Medicine 1 & 2
Sports Medicine 3 Internship

PERFORMING ARTS

Chorale
Vocal Ensemble
Concert Band
Symphonic Band
Percussion
Jazz Band
Marching Band
Plano Lab 1
Beginner Guitar
Guitar Ensemble
Theatre 1, 2, 3, & 4

PHYSICAL EDUCATION

Driver's Education
Health 1
Health 2
Introduction to Coaching
Introduction to Officiating
PE 2
Personal Training 1 & 2
Strength and Conditioning for Athletes
Weight Training 1 & 2

TECHNOLOGY EDUCATION

Basic Technical Drawing
Architectural Drawing
Engineering Drawing
Manufacturing Systems
Robotics

TRADES AND INDUSTRIAL EDUCATION

Auto Body 1, 2, 3
Automotive Technology 1, 2, 3
Cosmetology 1, 2, 3
Introduction to Trade & Industry
Welding 1, 2, 3
T & I Coop
Introduction to Teachers for Tomorrow
Virginia Teachers for Tomorrow 1 & 2
Criminal Justice 1 & 2

WORLD LANGUAGES

French 1, 2, 3, 4, & AP
German 1, 2, 3, 4, & AP
Spanish 1, 2, 3, 4, & AP
Spanish for Fluent Speakers

Salem High School Course Sequence Chart

	Grade 8	Grade 9	Grade 10	Grade 11	Grade 12
English	English 8	English 9	English 10 or English 10 Honors	English 11 or English 11 CP	English 12 or English 12 CP
	Advanced English 8	English 9 Honors	English 10 Honors or AP Seminar	English 11 CP or AP Language and Composition	English 12 CP, AP Language and Composition, or AP Literature
Science	Physical Science	Environmental Science	Biology or Earth Science	Chemistry, Earth Science, Astronomy, or Environmental Science, AP Environmental Science, Physics, or AP Physics	Chemistry, Earth Science, Astronomy, Environmental Science, Physics, or Anatomy and Physiology (none required for a standard diploma)
		Biology Honors	Chemistry Honors	AP Biology, AP Chemistry, AP Physics 1, AP Environmental Science, or Physics	AP Biology, AP Chemistry, AP Physics 1, AP Physics C, AP Environmental Science, Physics, or Anatomy and Physiology
Social Studies	World Geography	Modern World History	Ancient World History (none required for standard or advanced diploma if World Geography credit earned at ALMS)	Virginia and US History or AP US History	Virginia and US Government or AP Government and Politics
		AP Modern World History	AP Human Geography	AP US History	AP Government and Politics
Math	Pre-Algebra	Algebra 1	Algebra Functions and Data Analysis	Geometry	Algebra 2
			Geometry	Algebra Functions and Data Analysis	
	Algebra 1	Geometry	Algebra Functions and Data Analysis	Algebra 2	AP Precalculus, AP Statistics, or Data Science
			Algebra 2	Trigonometry	
	Geometry	Algebra 2	Algebra 2 with Intro to Trig Honors	AP Precalculus	AP Calculus AB or AP Statistics
			Algebra 2	AP Precalculus	AP Calculus AB or AP Statistics
		Algebra 2 with Intro to Trig Honors	Trigonometry or AP Precalculus	AP Calculus AP or AP Statistics	AP Calculus AB or AP Statistics

APPLICATION PROCEDURE FOR DUAL-ENROLLED STUDENTS:

Any student who wishes to participate in the dual enrollment program at Salem High School must complete the online application located at:

<http://apply.vccs.edu/oa/launch.action>

Then click on the **Apply Now** link.

When this application is completed, the student's EMPL ID number automatically appears on the screen. **Record this number for use during your high school years; you will need it for enrollment for all dual-enrolled classes in the future.**

Students must have a cumulative 3.0 GPA to register for core dual-enrolled courses and a 2.5 GPA to register for CTE dual-enrolled courses.

VWCC Regional Academies

SHS students have the opportunity to participate in a variety of Career and Technical Programs at Virginia Western Community College for dual credit. Regional Academy programs and CTE Institutes are planned in the areas listed below. These half-day preset programs are designed by VWCC for eleventh and twelfth grade students who have creative, capable minds and a strong interest in applied academics.

Students will be awarded 1 weighted credit for each semester of full time attendance at the academy. Full time attendance is defined as 8:00AM-10:45AM Monday through Friday. In the event that transportation is not provided by the Salem City School Division, transportation to and from the academy will be the responsibility of the parent/guardian. VWCC enrollment rates may apply. Please see your school counselor for more information.

Air Conditioning & Refrigeration

This curriculum is designed to meet the essential technical concepts and practices of the air conditioning and refrigeration field. Employment opportunities include air conditioning/refrigeration system installer, air conditioning system service technician, and air conditioning sales.

Engineering

The Engineering program is designed for creative students who want to explore engineering as a potential major. The intent of this program is to provide students a sense of what the engineering profession encompasses while exposing them to engineering concepts to better prepare them for success in engineering at the undergraduate level.

IT & Cybersecurity

The IT & Cybersecurity program is designed to give students the knowledge and skills needed to secure servers and network infrastructures. Topics include how to develop a security infrastructure, recognize threats and vulnerabilities to networks and servers, and to mitigate security threats. Student can sit for the CompTIA Security+ Certification and CompTIA Linux+ Certification.

Mechatronics

The Mechatronics program combines the concepts and practices of mechanical and electrical processes in order to manipulate motorized, hydraulic, and pneumatic machines to perform complex automated functions in an industrial or advanced manufacturing environment. It is designed to prepare the student for the Siemens Mechatronics System certification. Student with this credential will function as a highly skilled technician who can work with modules and components in complex mechatronics systems as well as be able to assess and analyze the system as a whole.

Health Records Coding

The Health Records Coding program is designed to provide the technical knowledge and practical experience needed for employment as a health records coding technician. Health Records Coding technicians analyze and interpret a patient's record to determine the proper standardized code that represents the patient's diagnosis and treatment which is used mainly for billing purposes.

Health Science Program

This curriculum is designed for students who plan to transfer to a four-year institution to complete a baccalaureate degree in allied health programs such as nursing, health education or dietetics/nutrition.

THE LAB SCHOOL AT ROANOKE COLLEGE

(Grades 10-12)

Our core philosophy at the Lab School at Roanoke College is to champion the potential of ALL students, helping them find a sense of purpose through project and inquiry-based learning. Lab School students will acquire skills to succeed in their fields of interest, build confidence in their abilities to intellectually engage with contemporary issues, and gain hands-on experiences through service and work in the Roanoke Valley. Lab School students are Roanoke College students with access to library holdings, the fitness center, the coffee shop, and other student opportunities.

The Lab School will feature three curricular pathways, tied directly to careers and needs in the region: Education/Global Studies, STEM/Healthcare, and Communications/Civic Engagement. Courses in each pathway are inquiry-based and provide dual enrollment credit. Lab School students will participate in a college-readiness orientation series, and a senior-year project-based capstone related to their curricular pathway.

Beginning courses in the Lab School:

- **Introduction to Public Health**
 - ✓ *Hands-on, community-based learning about the foundations of public health*
- **Fundamentals of Theater**
 - ✓ *Focuses on collaboration, communication, creativity, problem solving, time management, and flexibility*
- **Math Concepts**
 - ✓ *Education course focused on foundational mathematics from a teacher perspective*
- **Chemistry and Crime**
 - ✓ *Chemistry from a Crime Scene Investigation perspective; additional 3-hour lab requirement*
- **Gender in Early World Literature**
 - ✓ *Explores how gender roles were articulated and reinforced in early societies through literature and art.*
- **How to Build a Dinosaur**
 - ✓ *Using the field of evolutionary developmental biology (evo-devo) engineering, how could we build a dinosaur?*
- **Philosophy of Education**
 - ✓ *Explores the historical, philosophical, political and social principles of American education*
- **Environment and Society**
 - ✓ *Develops a case study of a local project using political, economic, and environmental perspectives*
- **Introduction to Communication Studies**
 - ✓ *How communication, critical cultural studies, media studies, rhetoric, and public speaking affect our lives*
- **Exploring Biology: The Power of Plants**
 - ✓ *How plants have impacted evolution, including humans and other organisms that share the earth*
- **Capstone Practicum/Internship**
 - ✓ *Field-based, individualized community project with weekly campus cohort meetings*

Lab School courses will be taught in-person by Roanoke College faculty and staff on Roanoke's campus. Students will spend the morning on the RC campus and return to SHS for lunch, afternoon classes, and activities. Students taking two courses per semester during their 10th, 11th, and 12th grade years, may earn up to 12 college credits.

Interested students must apply to be considered for this free opportunity. SHS counselors and Lab School staff will meet with students to facilitate applications and to answer questions about individual courses in the program. The Lab School application is due on February 1 and students will be notified of acceptance by March 1.

Orientation to the Lab School will be held over several days in August and monthly cohort meetings of all Lab School students will be held during a common "on campus" time. These dates will be shared through SHS counselors and in email communications from Lab School staff.

The Lab School at Roanoke College strives to provide an educational environment that develops resourceful, informed, and responsible citizens, ready to engage with the community. Please ask your counselor for additional information or email us at the Lab School at LabSchool@roanoke.edu.

Lab School at Roanoke College Pathways

STEM/Healthcare

Example of inquiry

What are the impacts of a human disaster, such as a train derailment carrying hazardous materials? How do we protect our citizens, water, and air quality after such an incident? How do we prepare for containment of these potential disasters? What preventative measures can be taken by business, governments, and citizens?

Sample coursework

Environmental Science, Introduction to Environment and Society, Introduction to Environment and Culture, Scientific Reasoning (INQ course), Mathematical Concepts, Introduction to Sociology, Data Science

Potential Career Pathways

Environmental Engineering, Civil Engineering, Environmental Science Firms, Government Roles (e.g. FEMA, DEQ), Community Leadership, Landscape Architecture, Project Management

Education/Global Studies

Example of inquiry

How can we strategize across multiple areas to meet the needs of under-resourced areas, for instance food insecurity? How can we improve student access to advanced coursework in under-staffed public schools, for example, in rural areas? How do local education challenges compare to those across the state, the country, and the world?

Sample coursework

Principles of Education, Teaching and Learning, Macroeconomics, Microeconomics, Sociology, Issues in American Politics, Issues in Global Politics, Communication Studies, Statistical Reasoning (INQ course), Education Technology

Potential Career Pathways

Educator, Education Researcher, Local/State/Federal Government, Law, Journalism, Instructional Design

Communication/Civic Engagement

Example of inquiry

How can community-based murals build shared culture and empower community engagement and leadership? How can local communities identify and match areas of need to current and future resources? How can local businesses and governments consistently involve young people (12-18) in strategic roles?

Sample coursework

Intellectual Inquiry courses (general education), Introduction to Communication Studies, Drawing, Painting, Photography, Art History, United States History, Social Science Reasoning, Microeconomics, Public Policy, Modern Languages, Introduction to Anthropology

Potential Career Pathways

Artist, Grant Writer, Community Leadership, Civil Engineering, Urban Planning, Non-profit Leadership, Journalism, Museum Management, Project Management

NCAA Initial-Eligibility Center

NCAA information and requirements are constantly changing. Stay up-to-date by visiting the Clearinghouse website at: www.eligibilitycenter.org. Use school code 472035 for access to Salem High School information.

To be certified by the Eligibility Center, you must:

1 Graduate from high school.

You should apply for certification before graduation if you are sure you wish to participate in athletics as a freshman at the college to which you will be admitted. The Eligibility Center will issue a preliminary certification report when you have had all your materials submitted. After you graduate, if your eligibility information is requested by a member institution, the Eligibility Center will review your final transcript to make a final certification decision according to NCAA standards.

The NCAA Initial-Eligibility Center has the following courses on file as meeting NCAA core course guidelines. You must have 16 of these

courses (with minimums noted). If a course is not on the list, you cannot count it. **Subjects taken in the eighth grade do not count.**

English

AP Language and Composition
AP Literature
AP Research
Classical Mythology
Creative Writing 1
Creative Writing 2
English 9
English 9 Honors
English 10
English 10: Honors
English 10: AP Seminar
English 11
English 11 College Preparatory
English 12
English 12 College Preparatory

Natural/Physical Science

Environmental Science
Anatomy & Physiology (Lab)
Biology & Biology: Honors (Lab)
AP Biology
AP Chemistry
AP Environmental Science
AP Physics
Chemistry & Chemistry: Honors (Lab)
Earth Science (Lab)
Earth Science II: Astronomy (Lab)
Physics (Lab)

Mathematics

Algebra 1
Algebra 1-Parts 1 & 2 (0.5 ea)
Algebra 2
Algebra 2 with Introduction to Trig (Honors)
Algebra Functions/Data Analysis
AP Calculus AB
AP Calculus BC
AP Statistics
Data Science
Geometry
AP Pre-Calculus
Trigonometry

Social Science

AP Human Geography
AP U.S. History
AP U.S. Government & Politics
AP World History: Modern
Law Studies
Psychology
Sociology
VA/U.S. History
VA/U.S. Government
World Geography
World History: Ancient
World History: Modern

Additional Core Courses

Business Law
French 1
French 2
French 3
German 1
German 2
German 3
Spanish 1
Spanish 2
Spanish 3

Note: The NCAA no longer accepts Computer Science courses to fulfill core course requirements.

2 Earn a grade-point average of at least 2.3

(Beginning with the Class of 2016) in a core curriculum of at least 16 academic courses which were successfully completed during grades 9 through 12. Complete 10 courses including 7 in English, Math or Science before the start of your 7th semester. Once you begin your 7th semester, you may not repeat or replace any of these 10 courses for GPA improvement. Only courses that satisfy the NCAA definition of a core course can be used for NCAA GPA. No special value are allowed for "+" or "-" grades. The chart on the following page shows the core course minimum for inclusion.

Core Units Required for NCAA Certification

	Division I	Division II	
English Core	4 years	3 years	
Math Core	3 years	2 years	
Science Core	2 years	2 years	
Social Science Core	2 years	2 years	
From English, Math, or Science (additional core)	1 year	3 years	
Additional Core (English, Math, Science, Social Science, Foreign Language, Nondoctrinal Religion, Philosophy)	4 years	4 years	
Total Core Units Required	16	16	

3 Earn a sum of scores of at least 75 on the ACT or a combined score of at least 900 on the SAT on a national test date.

For Division I: The minimum grade-point average in the 16 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index below. This index applies to students who wish to participate in Division I athletics. (For Division II visit www.eligibilitycenter.org).

Core GPA	ACT	SAT
Sum of Scores		
above 2.800	57	700
2.800	57	700
2.775	58	710
2.750	59	720
2.725	60	730
2.700	61	740
2.675	61	750
2.650	62	760
2.625	63	770
2.600	64	780
2.575	65	790

Core GPA	ACT	SAT
Sum of Scores		
2.550	66	800
2.525	67	810
2.500	68	820
2.475	69	830
2.450	70	840
2.425	70	850
2.400	71	860
2.375	72	870
2.350	73	880
2.325	74	890
2.300	75	900

For additional information, students should refer to the *NCAA Guide for the College-Bound Student-Athlete*. These booklets can also be obtained online at www.eligibilitycenter.org.

The most frequently asked question: **WHEN SHOULD I REGISTER WITH THE ELIGIBILITY CENTER?** Students should apply for certification after their junior year in high school if they wish to participate in intercollegiate athletics as a freshman at a Division I or II institution. Please note that final eligibility/certification is not granted until the student graduates from high school and a final transcript is sent. The student is responsible to request that this final transcript be sent to the NCAA.

Regional Registered Apprenticeship Program

Overview

The Registered Apprenticeship program was designed in the 1930's by the Roosevelt administration and encompass over 1,300 jobs in a variety of businesses and industries and the Student Registered Apprenticeship Program (SRA). Managed by the Department of Labor and Industry (DOLI) in Virginia, the RA program offers a unique work-based learning model for 16-18-year-old students. Student participants in the RA program work towards credentials associated with each business through employment training and instruction. Apprentices are employed by the company and once the student completes the program, they are eligible for a Journeyman's license. This indicates the student has relevant training and is on path to becoming a master in their industry.

- Student apprentices work approximately 20 hours per week.
- Most RA positions require a minimum of 2000 on the job hours and 144 hours per year of industry-related instruction.
- After high school graduation, the hours accumulated as a student apprentice transfer directly to the adult apprenticeship program.
- Students receive school credit for their apprenticeship.
- Student schedules will be arranged in a manner agreed upon by the student, parent, school system, and employer.
- The Virginia Department of Education (VDOE) has developed guidelines for work-based learning (WBL) that is followed by the school system.

Students

- Attend Business Partner showcase and decide if RA program is the right fit for their goals and school class schedule
- Attend the company tour/meeting scheduled with parent/guardian
- Attend the interview/resume writing workshop scheduled within your school division
- Create your resume and submit your application
- Respond to correspondence from business(s) or school division via email or text
- Promptly attend interview if/when scheduled
- If hired, contact your school counselor to review and adjust your schedule for the upcoming school year
- Attend/participate in RA Signing Day

Frequently Asked Questions

Why Registered Apprenticeship (RA)?

If you are interested in applying what you are learning in high school, earning money and becoming a highly-skilled and credentialed employee soon out of high school, you can apply to be an apprentice. In many cases the companies for which you work will help you pursue furthering your education which means minimizing student debt for you and your family

Who Can Participate?

Students aged 16 and up. Student must be 16 by the start-date of their apprenticeship

What does Registered Apprenticeship involve?

- A commitment to maintaining good grades in school and working part-time at the business under specific VDOLI regulated conditions toward becoming a highly- trained and credentialed employee of said business
- The process of being selected includes (not limited to) students being screened by your school division personnel to ensure graduation requirements can be met and an interview by the business
- Time may be spent at the industry site during at least part of the school day

Where can I find more information?

The Salem High School Counseling Office.

The Regional Registered Apprenticeship Program is a partnership between Salem City Schools, Roanoke City Public Schools, Roanoke County Public Schools, and the Virginia Department of Labor and Industry.

2025 Student Registered
APPRENTICESHIP
Showcase

JANUARY 23 5:30 - 7:30 p.m.

Incident weather date: February 4

Berglund Center - Special Events Center

Sophomores & Juniors:

Meet representatives from area businesses and organizations that are hiring
Student Registered Apprentices for the 2025-2026 school year!



Sign up TODAY!

bit.ly/SRAShowcase2025

Or scan this QR code:



Have questions about student progress?

Parents are strongly encouraged to use the PowerSchool Parent Portal to keep up with their child's progress toward mastering learning standards. Access the Parent Portal at:

<http://saalem.powerschool.com/public>

As a first point of contact, please direct questions about learning to your child. If after talking with your child about his or her progress you still have questions, please use email to contact the teacher directly. Please keep in mind Salem High School's Grade Posting Practice:

Salem High School's practice is to have assignments graded and posted online within one week (5 school days) of the date on which the assignment was due. Please note that alterations to the regular school routine related to student and faculty absences, weather-related calendar changes, holidays, and school activities will affect this one week deadline on occasion. Certain types of assignments, such as major projects and longer writing assignments, might take longer to grade and post. In such cases, the teacher will notify students of the date by which the teacher plans to have the assignment graded and posted.

If you feel a conference with your child's School Counselor is necessary, please feel free to contact your child's counselor via email, by calling the school during the day, or by calling the counselor's confidential direct voice mailboxes after school hours:

Sheri Smith	A-E	P: (540) 444-0914	E: ssmith@saalem.k12.va.us
Kristi Snow	F-L	P: (540) 444-0912	E: ksnow@saalem.k12.va.us
Michele Arbogast	M-Q	P: (540) 444-0911	E: marbogast@saalem.k12.va.us
Jenny Parrish	R-Z	P: (540) 444-0913	E: jparrish@saalem.k12.va.us

SOL Terminology

SOL Content Areas:

English, Writing, Mathematics, Science,
Social Science, Computer Technology and
End-of-Course Tests

Scaled Score:

A scale with a range of 0-600.
A scaled score of 400 or more is "passing."
Scores below 400 may require summer remediation.

Proficiency Level:

0-399 = Failing; 400-499 = Pass, Proficient; 500-600 = Pass, Advanced

PRACTICE COPY - SALEM HIGH REGISTRATION

Name: _____ Student #: _____ Year of Graduation: _____
Last First

Phone: _____ Current Grade: _____ Type of Diploma: _____

Requests	Credits	Counselor's Comments	
English:			
Math:			
Science:			
Social Studies:			
Health/PE:			
World Lang. (Req. for Adv. Diploma):			
Elective:			
Elective:			
Elective:		Alternate Electives	Credits
Elective:			
Elective:			
Elective:			
Totals			

1. Read through the registration guide carefully.
2. Fill out all requests and credits in spaces provided.
3. Choose alternate electives carefully.
4. Salem High strongly encourages ALL students to take AT LEAST six classes.
5. To participate in interscholastic sports programs, the Virginia High School League requires "Take 5-pass 5". Non-credit courses and previously passed courses, DO NOT count into this total.
6. Students who DO NOT meet the prerequisite will have their schedules adjusted during the summer.
7. By registering for a Honors, College Prep, AP, College and Dual Enrolled course, the student and parent agree to abide by the "Commitment to Advanced Program of Study" as listed in the Registration Guide. Request for changes are to be made to the Salem High School Counseling Office by the last day of school.

