

W. F. West High School

Curriculum Guide

2024-25



342 SW 16th Street Chehalis, WA 98532

360-807-7235

<https://chehalisschools.org/wfw/>

Table of Contents

Letter from W.F. West Administration	4
Counseling Program & Services	5
Course Designators	6
English Language Arts	7-9
Social Studies	10-11
Quick Guide to STEM Math (with diagram)	12
Math	12-15
Quick Guide to STEM Science	16
STEM / Science	16-19
CTE - STEM Career & Technical Education	20
FFA Requirements	20
CTE - Environmental Studies & Agriculture	20-21
CTE - Engineering & Manufacturing	21-23
CTE - Fine Arts & Communication	24-25
CTE - Business, Finance & Information Technology	25-26
CTE- Health Sciences	26-27
CTE - Human Services	28-29
World Languages	29-30
Performing Arts - Music	31
Lifetime Fitness	32-33
General Electives	32-33
Student Support	35
General Information	35-37
Registration & Scheduling	37
State Graduation Requirements	37-38
Graduation Policy	38
W. F. West Graduation Requirements	39
WFW Planning Guide for Meeting Graduation Requirements	40
WFW 4-Year Plan Worksheets & Quick Guide to Class Options	41
Honors Program & CTE Certificates of Proficiency Program	42
College in the High School (Complete Course List)	
Registration Worksheet 9th Grade	Registration Worksheet 10th Grade
Registration Worksheet 11th Grade	Registration Worksheet 12th Grade

NOTICE OF NONDISCRIMINATION:

Chehalis School District does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender expression or identity, disability, or the use of a trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups.

Chehalis School District offers classes in many career and technical education (CTE) program areas, including Agriculture, Business and Marketing, Family and Consumer Sciences, Skilled and Technical Sciences, Health Sciences and STEM. Lack of English language proficiency will not be a barrier to admission and participation in career and technical education programs.

The following employees have been designated to handle questions and complaints of alleged discrimination:

Aviso de No Discriminación:

El Distrito Escolar de Chehalis no discrimina en ningún programa o actividad por sexo, raza, credo, religión, color, origen nacional, edad, estado veterano o militar, orientación sexual, expresión o identidad de género, discapacidad o el uso de un Guía de perros entrenados o un animal de servicio y proporciona igual acceso a los Boy Scouts y otros grupos juveniles designados.

El Distrito Escolar de Chehalis ofrece clases en varias áreas con programas de educación vocacional y técnica (CTE), incluyendo Agricultura, Negocios y Mercadotecnia, Ciencias de la Familia y del Consumidor, Ciencias Técnicas y Calificadas, Ciencias de la Salud y STEM. La falta de dominio del idioma inglés no será una barrera para la admisión y participación en programas de educación profesional y técnica.

Los siguientes empleados han sido designados para manejar las preguntas y quejas de supuestas discriminaciones:

<p><u>Title IX Coordinator</u> Athletic Director Tom Elder 310 SW 16th Street Chehalis, WA 98532 (360) 807-7235 (360) 748-3664 Fax telder@chehalisschools.org</p>	<p><u>Section 504/ADA Coordinator</u> Director of Special Education Katie Howell 2025 SW Salsbury Ave Chehalis, WA 98532 (360) 807-7245 option 3 (360) 748-8767 Fax khowell@chehalisschools.org</p>
<p><u>Civil Rights Compliance Coordinator</u> Debby Gregory 310 SW 16th Street Chehalis, WA 98532 (360) 807-7200 (360) 748-8899 Fax dgregory@chehalisschools.org</p>	<p><u>Career and Technical Education Coordinator</u> Mark Westley 310 SW 16th Street Chehalis, WA 98532 (360) 807-7235 (360) 748-3664 Fax mwestley@chehalisschools.org</p>



Letter from W.F. West Administration

W. F. West High School

342 SW 16th Street
Chehalis, WA 98532

(360) 807-7235
Fax (360) 748-3664

www.chehalisschools.org/wfw



Principal
Bob Walters

Assistant Principals
Mark Westley
Christine Voelker
Tommy Elder

District Athletic Director
Tommy Elder

Dear Bearcat Students:

This is an exciting time for W. F. West High School students. Our Chehalis School District Student Achievement Initiative is aimed at making every student career and college ready. The majority of jobs in Washington State's workforce require college degrees. Teachers in the district from grades K-12 are working with students to help them prepare for these opportunities. Each year we have increasing numbers of our students entering two and four year programs, and going on to earn college degrees. Last year, graduating seniors received 3.3 million dollars in scholarships, thanks in large part to a generous community. The school district and community support for W. F. West high school students is exceptional.

The high school staff is excited about the academic program offerings that are in place and continually evolving to support students as you prepare for the future. You are in the "driver's seat" on this journey of learning and preparing for your future. We hope that you will use this curriculum guide to develop the critical thinking, communication, creativity and innovative skills that will support your future. Our career and college planning program and Naviance will support your high school process of awareness, eligibility and preparedness for career and college.

Our counselors and teachers serve as academic advisors, and are ready to offer the support that you need to plan your pathway to post-high school career and college opportunities. We also have a College Prep Advisor, ready to support your career and college planning. Education is the key to your future in Washington state and the nation's workplace. We urge you to take full advantage of the classes offered as you work toward your future goals.

The Chehalis School District is dedicated to providing the education you need to be prepared for career, college and life. We are fortunate to have a dedicated staff, and an exceptional level of community support available for our academic programs and scholarship opportunities. Please use this curriculum guide to plan for the best future possible. Let us know how we can support and encourage you in this process during your high school years.

Sincerely,

W.F. West Administration

Counseling Program and Services

Counseling Center Hours: 7:10a.m. to 3:00 p.m.

360-807-7235 ext 5514 / Fax 360-397-7154

<https://chehalisschools.org/wfw/counseling-center/>

The W. F. West Counseling Center offers programs and services to support students throughout their high school experience. Our focus is to help students with academic planning and to foster personal exploration, self-awareness, and social growth. Students will be encouraged to set realistic yet challenging goals for college and career readiness. Students will learn to be self-advocates in their interaction with teachers, peers, school staff and the community.

Our counselors and counseling center can assist students with academic, career, college and personal questions. We assist with transitions between schools, registration, course selection, interpretation and use of test results, and graduation requirements. Our doors are always open. We can respond to emergencies at any time. We do appreciate pre-arranged appointments. You may contact the counseling center to arrange an appointment at 807-7235, ext. 5514. Counselors may also be contacted by email. [Counseling Center Appt. Request Link](#)

Adrian Jimenez	Freshman Support Specialist	ajimenez@chehalisschools.org 807-7235 ext 5100
Libby Rakevich	Counselor all grades, last name beginning with A-G, AVID Counselor	lrakevich@chehalisschools.org 807-7235 ext 5517
Shawna Goble	Counselor all grades, last name beginning with H - N & Running Start students	sgoble@chehalisschools.org 807-7235 ext 5519
Jessica Boeck	Counselor all grades, last name beginning with O - Z Exchange Students and NCAA	jboeck@chehalisschools.org 807-7235 ext 5516
Kerri Chaput	College Prep Advisor	kchaput@chehalisschools.org 807-7235 ext 5453
Kelsie Stiltner, Registrar kstiltner@chehalisschools.org 360-807-7350 or 807-7235 ext 5518		Susan Russell, Secretary srussell@chehalisschools.org 807-7235 ext 5514

W. F. West counselors offer a wide variety of services, resources and activities.

Transition to High School

- Visit middle schools during the prior school year to provide a smooth transition from middle school to high school.
- Provide freshmen orientation programs.
- Support individual students in transition from other schools to W. F. West.

Registration and Scheduling: [\(more information on page 36-37\)](#)

- Assist students in planning, selecting and successfully completing middle and high school courses and completing the High School and Beyond plan required for high school graduation.
- Provide students and families with information about course selection/registration.

Career and College Readiness

- Coordinate Career and College Readiness activities
- Provide students and families with information about college admissions testing, financial aid and ASVAB (Armed Services Vocational Aptitude Battery)
- Administer the PSAT (Preliminary Scholastic Aptitude Test to all sophomores and interested juniors).

Personal Counseling

- Provide students and families with information about mental health resources and school/community support networks.
- Facilitate outreach with community mental health and support agencies.
- Assist students with issues that could interfere with academic performance.
- Assist students in developing plans for academic success .
- Facilitate conversations and conferences with teachers to support student success.

Graduation: [\(more information on pages 37-39\)](#)

- Monitor students' academic progress and track graduation pathways as directed by OSPI

Current & Past students can request transcripts here: [Transcript Request Form](#)

Course Designators

Advanced Placement Courses

We currently offer Advanced Placement (AP) classes in our Social Studies program. The greatest benefit of AP courses is that you are in an enriched environment with like minded classmates who are seeking an intellectual challenge and are motivated to learn and committed to excellence. You will develop study habits necessary for tackling rigorous coursework in a supportive environment.

Requirements for AP courses can be found in the Social Studies section of this catalog. Advanced Placement Exams are given through the College Board in May for a fee. Discounted fees are available for students on the free & reduced lunch program, and financial assistance/waivers are available to all students in need. More information about Advanced Placement programs is available online at the College Board: <http://www.collegeboard.com/student/testing/ap/about.htm>

CADR

(College Admission Requirements) CADR's are minimum college admission standards established by Washington's Higher Education Coordinating Board. CADR's reflect the minimum number of credits required in six subject areas that students must earn to be eligible for routine admission consideration by four-year public baccalaureate institutions. Courses meeting this standard are identified in this course offering guide. CADR reflects common university entrance requirements. College and University websites and the college board website <https://bigfuture.collegeboard.org/find-colleges> provide specific entrance requirement information. We recommend planning early for college opportunities.

College in the High School (CiHS): [\(Click here for more information\)](#)

We offer many different College in the High School opportunities. Courses are offered through a partnership between W. F. West and various Washington colleges including CWU, EWU, and Centralia College. Students who take these courses on our campus can earn both high school and college credit (1.0 credit per semester at W. F. West equals 5.0 college credits.) Grades earned in College in the High School courses will impact the student's high school GPA, and their college GPA.

Honors

The Honors Scholar Award is W. F. West High School's esteemed recognition denoting completion of rigorous college preparatory academic studies designed to provide highly motivated students the opportunity to achieve their highest intellectual and creative potential. Each department offers a variety of advanced options for students wanting to build a strong foundation in a particular subject area. Look for courses with the Honors (H) designation in the course catalog. W. F. West has five honor pathways. For more information on graduating with honors, additional information can be found here: [W.F. West Honors Program](#)

NCAA

Students who want to compete in NCAA sports at a Division I school need to make sure they choose courses that are recognized by the NCAA eligibility center (denoted in the course description guide with the code NCAA). Students are responsible for registering with the NCAA Eligibility Center and ensuring they stay on track to meet initial-eligibility standards; counselors are available to support course tracking upon student request.

[Register with the NCAA Eligibility Center](#)

Running Start

The Running Start Program is a partnership between W. F. West High School and Centralia College. Eligible juniors and seniors have the opportunity to complete a portion or all of their coursework on Centralia College's campus to simultaneously complete high school requirements and earn college credit. Running Start students do not pay tuition, but they do pay college fees and buy their own books, as well as provide their own transportation. Each spring we host a Running Start informational meeting for all interested students, please contact the W. F. West Counseling Center for Running Start requirements. All Running Start students are required to fulfill testing and culminating project requirements for W. F. West graduation.

English Language Arts

English Grade Level Options		
Grade	General Pathway	Advanced Options / Dual Credit Opportunities
9	English 9 A & B	Advanced Freshman English
10	English 10 A & B	Advanced Sophomore English
11	English 11 A & B	English 101 / English 201 / College Prep
12	Senior English / College Prep Creative Writing, Short Fiction, Speech & Ag	English 101 / English 201 English 170 / CMST 201

All Language Arts courses, except Advanced, use the text Elements of Literature (EOL). All courses will include reading and writing strategies and conventions, literary elements and formal and informal assessments.

Advanced English Summer Reading Requirements:

All advanced English classes require summer reading. In May English teachers will have summer reading packets available, or the link is available in the lower right hand corner of the W.F. West Counseling Center page.

<https://chehalisschools.org/wfw/counseling-center/>

Students who register for advanced English should go into it knowing that these courses demand considerable work outside the classroom. Successful students have discipline and are willing to spend more time than the standard high school course demands. Course participation is not limited by grade point average, but a teacher conference is recommended for correct placement. Modern Language Association (MLA) guidelines are to be followed on all written work.

Characteristics of a successful student in our college preparatory courses include:

- the ability to use academic English, think critically, and has curiosity about intellectual matters
- a willingness to deal with mature subject matter or to look at topics or subjects in a new way
- willingness to devote the time necessary to assignments, accept writing evaluations and work to improve academic writing to meet course expectations, as well as the desire to be challenged

English 9 A & B

ENG108 & ENG109 CADR / English Language Arts / NCAA Approved 1.0 credit Grade Level: 9

Prerequisite: None Supplies/Fees: None

In the fall, this course will emphasize writing as a process. This course also includes work in reading, writing, and speaking. Literature read and analyzed will be short stories, nonfiction, and a novel. In the spring, this course will cover composition, reading skills, drama, and the structure and function of the novel. Major works include: Romeo and Juliet, To Kill a Mockingbird and Enclave

Advanced Freshman English

ENG845 & ENG846 CADR / English Language Arts / Honors / NCAA Approved 1.0 credit Grade Level: 9

Prerequisite: None Supplies/Fees: None

Designed for those students who are capable of and willing to work beyond the grade level. The course will help prepare students for further advanced English classes and College in the High School Classes. This class will focus on poetry, and literary analysis. Students will use the literature as support for both analytical essays, class discussions and evaluations. Literary works will include Summer Reading of :The Outsiders and in Class: Ender's Game, Night, To Kill a Mockingbird, and Romeo and Juliet.

English 10 A & B

ENG110 & ENG111 CADR / English Language Arts / NCAA Approved 1.0 credit Grade Level: 10

Prerequisite: None Supplies/Fees: None

In the fall this course will emphasize writing, speaking, and the reading and analyzing of world literature, including relevant vocabulary. This course also includes learning skills and practicing strategies necessary to pass the Smarter Balanced test. In the spring this course will emphasize analyzing and writing different styles of essays. It will also include speaking, drama, and literature, focusing on multicultural writings. This course also includes learning skills and practicing strategies necessary for Smarter Balanced testing. Major works include: Lord of the Flies, Antigone, Julius Caesar.

Advanced Sophomore English

ENG850 & ENG851 CADR / English Language Arts / Honors / NCAA Approved 1.0 credit Grade Level: 10

Prerequisite: "B" average in Advanced Freshman English recommended or Teacher approval.

Supplies/Fees: None

Students will learn specific writing skills in narrative, expository, and argumentative writing and produce increasingly sophisticated essays. They will analyze literature, conduct research, pursue themes while synthesizing historical and cultural meaning. Analytical reading will extend understanding of literary elements and language while developing skills in critical thinking, effective discourse, collaboration, and reflection. Literary works include but are not limited to: Hamlet, Lord of the Flies, Things Fall Apart, Great Gatsby.

English 11 A & B

ENG115 & ENG116 CADR / English Language Arts / NCAA Approved 1.0 credit Grade Level: 11

Prerequisite: None

Supplies/Fees: None

This course will focus on American Literature. Genres include non-fiction, short stories, plays and poetry. This course also includes a variety of writing assignments for improving grammar and usage, as well as an oral presentation.

Major Works: The Crucible, Inherit the Wind, and Of Mice & Men.

Senior English

ENG120 CADR / English Language Arts / NCAA Approved .50 credit (Fall) Grade Level: 12

Prerequisite: None

Supplies/Fees: None

This is a required senior English class. The W. F. West High School Culminating Project is an exciting opportunity for students to apply what they have learned in their high school careers to a topic or concept of their choice. In order to receive credit for the project, and therefore graduate from W. F. West, students must complete the following three components: The Research Paper, The Portfolio and The Presentation. The Culminating Project is required for graduation at W. F. West.

Creative Writing

ENG132 CADR / English Language Arts / NCAA Approved .50 credit(Spring) Grade Level: 12

Prerequisite: None

Supplies/Fees: None

Students will read a variety of short stories, essays and poetry, engage in analytical class discussions, and write various responses with similar themes. Writing includes short stories, essays, poetry and plays. Students will compile a portfolio of their own writing.

Short Fiction

ENG133 CADR / English Language Arts / NCAA Approved .50 credit(Spring) Grade Level: 12

Prerequisite: None

Supplies/Fees: None

This class is designed for the enthusiastic reader, focusing on the most significant events, personalities, and issues of the sporting world in the last 100 years. Poetry, short stories, essays, newspapers and magazines will be used to explore such subjects as gender equity, racism, perseverance, determination, and integrity, as well as many others. Students will be required to do weekly writing, give oral presentations, participate in discussions, read the assigned selections, and read a biography or autobiography of their choice.

Speech & Agriculture Communications

ENG315 CADR / Occupational~CTE /English Language Arts .50 credit(Spring) Grade:11,12

Prerequisite:None

Supplies/Fees:None

- Prepare yourself for the job market by creating a job interview portfolio.
- Master job interview skills that will assist you in college and career preparation.
- Enhance effective communication through speech and writing.
- Meets senior English requirements or juniors can take this class as an elective.

College Prep 101 / College Prep 201

ENG121 CADR / English Language Arts .5 credit (Fall) Grade Level: 11, 12

ENG123 CADR / English Language Arts .5 credit (Fall) Grade Level: 12

This high school level course will prepare you to take the CiHS 101 & 201 course in the spring. This course does not affect your college GPA.

English 101/ENGL 101: College Composition: Exposition & Argumentation (College in the High School)

ENG126 / ENG122 CADR/English Language Arts / Honors / NCAA Approved 1.0 credit(1 semester) Grade Level:11,12

Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: None

This is a college level class. Students have the opportunity to earn 5 college credits.

Provides opportunities for students to develop and enhance their written communication skills. Stresses the organization, development and support of ideas and perspective in exposition and argumentation as public discourse, familiarization with library resources and application of the rules and conventions of standard American English.

English 170/ENGL 170: Introduction to Literature (College in the High School)

ENG210 CADR/ English Language Arts / Honors /NCAA Approved 1.0 credit(1 semester) Grade Level:11,12

Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees:None

This is a college level class. Students have the opportunity to earn 5 college credits.

An examination of literary approaches in human experience including short fiction, poetry and drama. Principal attention to the elements that make up literature, with supporting discussion of ideas, attitudes, problems and values.

English 201/ENGL201:College Composition:Analysis, Research & Documentation(College in the High School)

ENG127/ ENG124 CADR/ English Language Arts / Honors / NCAA Approved 1.0 credit(1 semester) Grade Level:11,12

Prerequisite: ENG101, College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: None

This is a college level class. Students have the opportunity to earn 5 college credits.

Stresses research skills, analytical writing, logic and other skills necessary to comprehend, synthesize and respond intelligently to academic discourse. Practices source evaluation and documentation across the disciplines. A special study unit emphasizing effective use of library resources is included.

Public Speaking / CMST 201 Public Speaking (College in the High School)

ENG220 CADR/ English Language Arts / Honors/NCAA Approved 1.0 credit(1 semester) Grade Level:11,12

Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: None

This is a college level class. Students have the opportunity to earn 5 college credits.

This course is the study of the basic principles of public communication. This is a course in design, delivery, organization, and presentation of speeches for public groups with an emphasis on informative and persuasive speeches, message delivery, and presentation of visual aids.

Forensics Club

ENG861 Elective/NCAA Approved .50 credit(repeatable) Grade Level: 9,10,11,12

Prerequisite: Club: meets before school

Supplies/Fees:None

The course is centered around group and individual practice and research in public speaking and debating techniques.

Social Studies

Social Studies Graduation Requirements Washington State:

To meet statewide graduation requirements, all Washington public school students are required to earn 3.0 credits. Students who have not completed their Washington State History requirement in the 7th or 8th grade or a transferable course of comparable content in another state, must complete this course as part of the three years of required social studies.

All W. F. West Social Studies course options meet general college entrance requirements (CADR). Any student who desires challenging work in social studies may elect to take advanced options at each grade level, if they are prepared to make the academic commitment. The department strives to offer equity and access to college preparatory courses.

- There are no prerequisites for the Advanced Placement courses. The courses will include reading, writing and college preparatory activities. Out of class preparation is about 1.5 hours per week. Students in good academic standing should consider these options.
- The College Board Advanced Placement Exams through the College Board are recommended for dual credit opportunities and these tests have a fee. Information about the exam fees will be provided during the fall semester.
- Scholarships may be available to those with financial need.

Social Studies Grade Level Options		
Grade	General Pathway	Advanced options and dual credit opportunities
10	World History A (.5) & B (.5)	Advanced Placement World History Modern A (.5) & B (.5)
11	United States History A (.5) & B (.5)	Advanced Placement United States History A (.5) & B (.5)
12	Civics (.5)	Civics (.5)
12-Seniors may meet or exceed the .5 elect. req.	Social Studies Elective: Sociology (.5); Psychology (.5); Civics (.5); NW History & Government (.5)	Advanced Placement Psychology A (.5) & B (.5)

World History A & B

SOC103 & SOC104 CADR / Social Studies / NCAA Approved 1.0 credit Grade Level: 10
Prerequisite: None Supplies/Fees: None

The context of the course is modern world history from 1450 to the present. Students explore major themes and developments that shaped the modern world to develop an understanding of the roots of current world issues. The course provides a comprehensive look at the world's greatest cultures and their significant social, political, environmental, and economic trends and interactions.

Advanced Placement World History Modern A & B

SOC105 & SOC106 CADR / Social Studies / Honors / NCAA Approved 1.0 credit Grade Level: 10
Prerequisite: None Supplies/Fees: College Board exam & fee information will be provided by the instructor in the fall.

Advanced Placement World History Modern will begin in 1100 CE to set the stage for global interactions to present. The course will begin with a study of the civilizations in Africa, the Americas, and Asia that are foundational to the modern era. The course provides five themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction between humans and the environment; development and interaction of cultures; state building, expansion, and conflict; creation, expansion, and interaction of economic systems; and development and transformation of social structures. Overseen by the College Board, this AP course is the equivalent of a college undergraduate survey course.

United States History A & B

SOC309 & SOC310 CADR / Social Studies / NCAA Approved 1.0 credit Grade Level: 11
Prerequisite: None Supplies/Fees: None

This course focuses on the development of United States History from its beginning to the events of today. Students will consider multiple accounts of events and issues in order to understand the politics, economics, geography, and history of this country from a variety of perspectives. In addition, students examine the state and national constitutions and treaties and how these documents govern the rights and responsibilities of all residents and citizens in Washington and the rest of the United States.

Advanced Placement United States History A & B

SOC321 & SOC322 CADR / Social Studies / Honors / NCAA Approved 1.0 credit Grade Level: 11
Prerequisite: None Supplies/Fees: College Board exam & fee information will be provided by the instructor in the fall.
This course focuses on the development of United States History from its beginning to the events of today. Students will consider multiple accounts of events and issues in order to understand the politics, economics, geography, and history of this country from a variety of perspectives. At the end of this college level course students will be able to compare and contrast historical patterns and trends and analyze changes and continuities from the past to the present. Overseen by the College Board, this AP course is the equivalent of a college undergraduate survey course.

Northwest History/Government

SOC101 CADR / Social Studies / Honors / NCAA Approved .50 credit Grade Level: 12
Prerequisite: None Supplies/Fees: None
This course is required for graduation for students who did not meet the requirement for Washington State History in Middle School. Students who passed it in middle school can still take this course, if there is space available, as one of their social studies electives. This course is a focused study of the Pacific Northwest region of the United States in which we live. Students will be exposed to native cultures of the region; early exploration by Europeans in search of the Northwest Passage; the influence of the fur trade and missionaries on regional development; statehood; and Washington State government and civic engagement.

Psychology

SOC351 CADR / Social Studies / Honors / NCAA Approved .50 credit Grade Level: 12
Prerequisite: None Supplies/Fees: None
This social studies elective provides an introduction to foundational principles and theories in psychology. The course is designed for active engagement. Students will be exposed to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. This is a social studies elective credit option.

Advanced Placement Psychology A & B

SOC348 & SOC349 CADR / Social Studies / Honors / NCAA Approved 1.0 credit Grade Level: 12
Prerequisite: None Supplies/Fees: College Board exam & fee information will be provided by the instructor in the fall.
Advanced Placement Psychology is a two semester program that is engaging and interactive. This class meets the College Board standards for Advanced Placement Psychology. Students will be exposed to psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice. Overseen by the College Board, this AP course is the equivalent of a college undergraduate survey course. Second semester students prepare independently for the May AP exam, but instructor support will be available. This is a social studies elective credit option.

Sociology

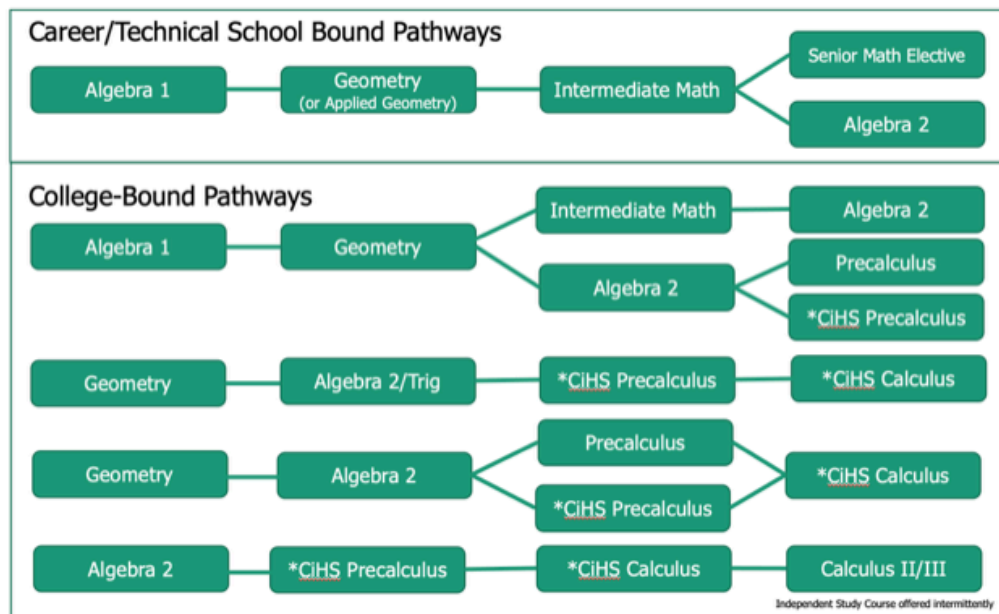
SOC352 CADR / Social Studies / Honors / NCAA Approved .50 credit Grade Level: 12
Prerequisite: None Supplies/Fees: None
This social studies elective provides an introduction to sociology in one semester. The course is designed for active engagement. Sociology is the scientific study of culture and social structure. The curriculum focuses on the influence of groups within a society and for preparing students for the social change of the 21st Century. Main units of study include sociological perspectives, culture, socialization, social organization and institutions, and social change. This is a social studies elective credit option.

Civics

SOC400 CADR / Social Studies / Honors / NCAA Approved .50 credit Grade Level: 12
Prerequisite: None Supplies/Fees: None
This required course is designed to allow students to demonstrate conceptual understandings they have developed in World and United States History to examine "hot topics" that happen throughout the world today. The cognitive demand of the activities in this course prepare our graduates to become the next decision makers and civic leaders. Emphasis will be placed on: analyzing why and how leaders make decisions, human rights, environmental issues, globalization, the economy, civic action and responsibility. The Constitution of the United States and the Bill of Rights will be foundational to the study. Students in this course are required to complete the Washington State Classroom Based Assessment for The Constitution. Seniors must take Civics to meet graduation requirements.

Quick Guide to STEM Mathematics

W.F. West High School Math Course Pathways



* **CiHS** (College in the High School) courses have further admissions requirements.

College Admission Credits Set by the Higher Education Coordinating Board (HECB):

3 credits: Algebra 1, Geometry, and Algebra 2, or Integrated Math I, II, and III. Note: Successful completion of math through pre-calculus meets the requirement for 3 credits of math and the senior-year math requirement (below).

Courses should be chosen from offerings according to interest and ability (prerequisite).

The Mathematical Practice Standards apply throughout all courses, and together with the Common Core State Standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Math Course Descriptions

All courses meet the MATH graduation requirements / Also see the [CTE:Personal Finance](#)

Algebra 1 A & B

MTH171 & MTH172 CADR / NCAA Approved 1.0 credit Grade Level:9,10,11,12
Prerequisites: None Supplies/Fees: Scientific Calculator

Algebra 1 is the first course of the high school mathematics sequence. This first year course is a Washington State graduation requirement. Topics studied include: data and statistics, equations and inequalities, linear equations, functions, systems of equations, systems of inequalities, exponents, factoring, and quadratics.

Co-Taught Algebra 1 A (year long course) and B (year long course)

MTH164/MTH165/MTH166/MTH167 CADR/NCAA Approved 1.0 credit Grade Level 9,10
Prerequisite: Teacher Recommendation Required Supplies/Fees: Scientific Calculator

An intervention Algebra class designed to help students struggling to find success in previous math classes. Co-Taught Algebra 1 is the first course of the high school mathematics sequence. This first-year course is a Washington State graduation requirement. This class follows the same scope as the Algebra 1 A&B class but does so over a two-year period. Topics studied include: data and statistics, equations and inequalities, linear equations, functions, systems of equations, systems of inequalities, exponents, factoring, and quadratics.

Geometry A & B

MTH125 & MTH126 CADR / NCAA Approved

1.0 credit

Grade Level:9,10,11,12

Prerequisites: Successful completion of Algebra

Supplies/Fees: Scientific Calculator

Students will explore complex geometric situations and deepen their explanations of geometric relationships, moving towards formal mathematical arguments. There will be an emphasis on similarity, congruencies, and triangle relationships. Logical progression of steps will be taught throughout the course. The areas and volumes of polygons and polyhedrons will be emphasized. The students will learn problem solving for right-triangle Trigonometry.

Intermediate Mathematics A & B

MTH200 & MTH201

1.0 credit

Grades:10 & 11

Prerequisite: Successful completion of Algebra 1 & Geometry

Supplies/Fees: Scientific calculator

This course is for students who aren't quite ready for Algebra 2. Topics include: the solving of linear equations, linear equations in two variables, inequalities, systems of linear equations, polynomials, factoring, rational expressions, radicals, quadratics and functions.

Algebra 2 A & B

MTH173 & MTH174 CADR / NCAA Approved / Honors

1.0 credit

Grades:10, 11, 12

Prerequisite: A "B" or better in Algebra 1 & Geometry recommended

Supplies/Fees: Scientific calculator

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms.

Functions and Reasoning: MATH 152 (College in the High School)

MTH177 CADR / NCAA Approved / Honors

1.0 credit (fall)

Grades:10,11,12

Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: None

This is a college level class. Students have the opportunity to earn 5 college credits.

Develops precalculus readiness through increased understanding of algebraic concepts and skills by exploring: real number algebra; rates of change; manipulation of quantities represented symbolically, graphically, and in words; and linear and quadratic relationships to function. Upon successful completion of this course, the student will be able to:

- Create, use and interpret linear and quadratic functions in symbolic, tabular, graphical, and verbal/written representations and proficiently switch between representations.
- Represent mathematical situations using multiple representations including graphs, tables, equations, and diagrams.
- Use mathematical reasoning to evaluate situations, select problem-solving strategies, draw logical conclusions, develop and describe solutions, and recognize how those solutions can be applied.
- Apply critical thinking and data analysis skills to reflect on solutions to problems, to determine the appropriateness of known solutions, and to critique the quality or reasonableness of solutions.
- Increase flexibility with symbolic problem solving including translating problems into algebraic representations, understanding mathematical properties, recognizing important underlying principles, and applying necessary skills.

Algebra 2 with Trigonometry

MTH175 CADR / NCAA Approved / Honors

.50 credit (Spring)

Grades:10, 11, 12

Prerequisite: Successful completion of MTH152

Supplies/Fees: Scientific calculator

Building on their work with linear, quadratic, and exponential functions, students extend their repertoire of functions to include polynomial, rational, radical, and trigonometric functions. Students work closely with the expressions that define the functions, and continue to expand and hone their abilities to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. Students will also analyze series, sequences, and study an introduction to probability and statistics.

Computer Science Principles A & B

MTH450 & MTH451 CADR / Honors

1.0 Credit

Grades: 9,10,11,12

Prerequisite: None

Supplies/Fees: None

Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. More than a traditional introduction to programming, it is a rigorous, engaging, and approachable course that explores many of the foundational ideas of computing so all students understand how these concepts are transforming the world we live in.

Pre-Calculus A & B

MTH391 & MTH392 CADR / NCAA Approved / Honors 1.0 credit Grades:11, 12
Prerequisite: A “C” grade or better in Algebra 2 recommended Supplies/Fees: Graphing Calculator

This course will study functions and their graphs, factoring statistical data, graphs of conics, trigonometry, along with logarithms and exponents. This class is a prerequisite to Calculus. Continuation of the second semester depends upon a passing grade from the first semester (“D” or better).

College Prep Math in Society (High School)

MTH395 CADR .50 credit(Fall) Grades:11 & 12
Prerequisite: Successful completion of Algebra 2 Supplies/Fees: Graphing Calculator

Math in society (High School) is a one semester course to help prepare students for the rigors of MATH 107, the College in the High School Math in Society course. Topics studied include: literal equations, growth models, rational equations and linear programming.

Math in Society: MATH&107 (College in the High School)

MTH396 CADR / Honors 1.0 credit(Spring) Grades:11 & 12
Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: Scientific Calculator. This is a college level class. Students have the opportunity to earn 5 college credits.. The course is designed to enhance the math proficiency of liberal arts students to the level required to meet the demands of their personal and professional lives. Topics include the use of mathematics in management science, statistics, probability, art, and other practical applications in our society. Designed for students who are not preparing for calculus.

College Prep Personal Finance (High School)

MTH510 CADR .50 credit(Fall) Grades:11 & 12
Prerequisite: Successful completion of Algebra 2 Supplies/Fees: None

Personal finance (High School) is a one semester course to help prepare students for the rigors of FIN 174, the College in the High School Personal Finance course.

Personal Finance: FIN 174 (College in the High School)

MTH511 CADR / CTE / Honors 1.0 credit (Spring) Grades:11 & 12
Prerequisites:Prerequisite: a math placement test score resulting in eligibility for MATH 101

Description:This course addresses the broad spectrum of financial issues encountered by individuals throughout their lives. Topics include: Preparing a personal budget, investments, retirement planning, educational planning and insurance.

Upon successful completion of this course, the student will be able to:

- Recognize the importance of analyzing everyday purchases and determine whether “on sale” goods or services are truly the best buy based on a comparison of the per unit cost or percent savings of similar goods and services.
- Explain the hidden costs of credit by interpreting the fine print on purchase agreements, or in credit card offers.
- Evaluate investment options such as making monthly investments versus one time investments, differing rates of return and time horizon affect the outcome of saving.

Pre-Calculus I: MATH&153 (College in the High School)

MTH393 CADR / NCAA Approved / Honors 1.0 credit(Fall) Grades:11 & 12
Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: Scientific Calculator.

This is a college level class. Students have the opportunity to earn 5 college credits.

A foundation course which stresses those algebraic and elementary function concepts together with the manipulative skills essential to the study of calculus. The focus of this course is the study of elementary functions (polynomials, rational, exponential, and logarithmic) symbolically, graphically and numerically. It stresses graphing techniques, methods for solving a wide variety of equations, modeling, and problem solving techniques. Systems of equations and matrix algebra are also covered. Upon successful completion of this course, the student will be able to:

- Identify and describe functions.
- Utilize functions.
- Identify and describe the effects of transformations on both the algebraic and graphical forms of functions.
- Identify and describe properties of the graph of a function.

Pre-Calculus II: MATH&154 (College in the High School)

MTH394 CADR / NCAA Approved / Honors 1.0 credit(Spring) Grades:11 & 12

Prerequisite: Successful completion of Pre-Calculus 1: MTH 153. College admission (forms will be completed in class), pass the college placement test. Supplies/Fees: Scientific Calculator.

This is a college level class. Students have the opportunity to earn 5 college credits.

A continuation of MATH 153 with emphasis on trigonometric functions, vectors, systems of equations, the complex numbers, and an introduction to analytic geometry. The focus of this course is on a graphical, numerical, symbolic development of trigonometric functions and their inverses as defined on the unit circle and right triangles; identities, equations, and applications; complex numbers, polar coordinates, parametric equations, vectors, conics, sequences and series. Upon successful completion of this course, the student will be able to:

- Model real phenomena using trigonometric functions.
- Convert between different units of angular measure.
- Analyze the effects of transformations on the graphs of trigonometric function
- Use and manipulate inverse trigonometric functions.
- Use trigonometric formulas.
- Locate and determine features of trigonometric functions and their inverses.

College Prep Calculus (High School)

MTH441 CADR / Honors .50 credit(Fall) Grades:12

Prerequisite: Successful completion of CiHS Pre-Calculus I and II or High School Pre-Calculus. Supplies/Fees: TBD
College prep. Calculus is a semester-long high school course to help students prepare for the rigors of CiHS Calculus 1 offered 2nd semester. Topics studied include solving, manipulating, and graphing many function types, with an emphasis on an understanding of trigonometric functions. Recommended a C or higher to continue the Calculus pathway.

Calculus 1: MATH&172 (College in the High School)

MTH442 CADR / NCAA Approved / Honors 1.0 credit(Spring) Grades:12

Prerequisite: Successful completion of CiHS Pre-Calculus I and II or High School Pre-Calculus with college admissions exam completed during 1st semester. College Admission (forms will be completed in class), pass the college placement test. Supplies/Fees: Scientific Calculator

This is a college level class. Students have the opportunity to earn 5 college credits.

Theory, techniques, and applications of differentiation and integration of the elementary functions.

This semester-long course covers limits, derivatives, applications of derivatives, and indefinite integrals. All topics will be approached from multiple viewpoints including numerical, analytical, and graphical views. Students pursuing an education at a 4-year university, specifically in the Science, Math, or Business fields should consider this course. Upon successful completion of this course, the student will be able to.

- Determine limits and continuity of functions.
- Determine the derivatives of algebraic functions using the definition of derivative.
- Determine the derivatives of functions.
- Use the concept of the derivative to determine properties of functions.
- Model situations using the derivative of a function.
- Use the first and second derivatives of a function to determine maxima and minima of a function.
- Understand the relationship between the derivative of a function and the function's graphical representation.

Quick Guide to STEM Science

Science Course Level Options by Grade Level

Grade	9	10	11	12
General	All Biology Classes	Any science class listed above where prerequisites have been met.		
College Preparation	Biology	Chemistry	Physics Survey, Molecular Genetics, SEM, Anatomy, Marine Biology, Geology	Science elective recommended for university STEM pathway
Advanced	Advanced Biology	Advanced Chemistry	Physics Survey, SEM and/or Molecular Genetics	Adv. Molecular Genetics or other science elective recommended for university STEM pathway

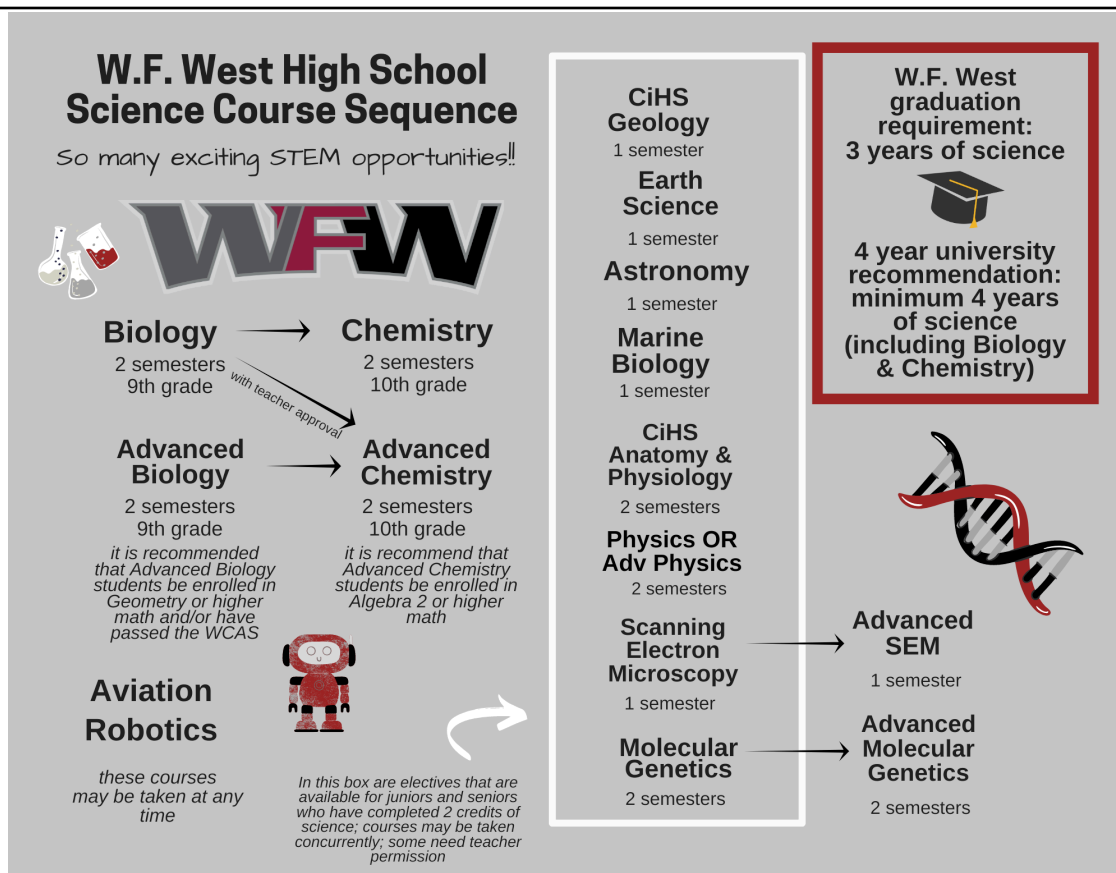
Science: 6 Classes, plus Health ([See Lifetime Fitness section of the Curriculum Guide](#))

Grade 9: two semesters

Grade 10: two semesters

Grade 11: two semesters

Grade 12: science recommended for university STEM pathway



Science Course Descriptions

All courses meet the SCIENCE graduation requirements

[See the CTE \(Career & Technical Education\) section of the catalog for additional science credit options.](#)

Biology A & B

SCI202 & SCI203 CADR / Science Lab / NCAA Approved

1.0 credit

Grade Level:9

Prerequisite: Concurrent enrollment in Algebra 1 or higher math

Supplies/Fees: 3-ring binder

This laboratory-based course is designed to teach the essential concepts of biology, emphasizing connections within biological systems and between the systems and their environment. All major themes of life science are addressed in Biology: biochemistry, cells and cellular processes, genetics, ecology, the theory of evolution and classification. An underlying theme of the course will be the process of science and will include problem-solving and inquiry skills, lab work and projects that support the Next Generation Science Standards.

Advanced Biology A & B

SCI204 & SCI205 CADR / Science Lab / NCAA Approved 1.0 credit Grade Level:9
Prerequisite: Concurrent enrollment in Geometry or higher math and/or earned a passing score on the WCAS; completion of summer Advanced Biology work Supplies/Fees: 3-ring binder

This laboratory-based course is designed to teach the essential concepts of biology, emphasizing connections within biological systems and between the systems and their environment. This course will progress at a more accelerated pace and with increased rigor as compared to regular Biology. All major themes of life science are addressed in Biology: biochemistry, cells and cellular processes, genetics, ecology, the theory of evolution and classification. An underlying theme of the course will be the process of science and will include problem-solving and inquiry skills, lab work and projects that support the Next Generation Science Standards.

Chemistry A & B

SCI220 & SCI221 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:10
Prerequisite: successful completion of Biology Supplies/Fees: 3-ring binder, calculator, metric ruler

This laboratory-based course is designed to teach the essential concepts of chemistry. Topics will include: measurement, states of matter, atomic structure, the periodic table, atomic bonding, acids and bases, chemical reactions and stoichiometry. An underlying theme of the course will be the process of science and will include problem-solving and inquiry skills, lab work and projects that support the Next Generation Science Standards.

Advanced Chemistry A & B

SCI222 & SCI223 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:10
Prerequisite: Concurrent enrollment in Algebra 2 or higher math; completion of summer Advanced Chemistry work
Supplies/Fees: Composition notebook, 3-ring binder, scientific calculator, metric ruler

This laboratory-based advanced course is for students who have an aptitude for and an interest in science. This course will progress at a more accelerated pace and with increased rigor as compared to Chemistry. Topics will include extensive use of measuring and calculating; atomic structure; the periodic table; chemical reactions; atomic bonding; molecular structure; states of matter; solutions; acids, bases and salts; oxidation/reduction reactions and stoichiometry. This course provides students the opportunity to learn science concepts and principles, practice reasoning and problem solving abilities and develop inquiry skills that support the Next Generation Science Standards.

Molecular Genetics A & B

SCI254 & SCI255 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:10,11,12
Prerequisite: Biology, Chemistry and teacher permission Supplies/Fees: None

This course is lab centered and focused in the area of DNA science. Students will learn how to manipulate DNA/genes outside of cells (test tube) and inside. Students will get the opportunity to genetically engineer DNA and place it into living cells that will be changed as a result of these genetic manipulations. Students will extract and analyze DNA, cut and glue DNA, clone DNA in living cells, sequence DNA, perform DNA fingerprinting and organize the Annual Biotech Day event. Upon finishing this course, students will have the knowledge and skills to seek employment in the Biotech industry. Students completing this course are also eligible to continue on into the Advanced Molecular Genetics course.

Advanced Molecular Genetics A & B

SCI256 & SCI257 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:11,12
Prerequisite:Molecular Genetics and teacher permission Supplies/Fees:None

After completing one year of Molecular Genetics, students have the option to continue on into this course. Research is the primary focus for the one-year course. Students will find a molecular-based research question that can be answered through student-driven experimentation. This research may be mentored by outside assistance from scientists, and can involve actual work in an outside research facility. The research project is submitted to several student research competitions; Washington Junior Science and Humanities Symposium - through which students can earn college scholarship dollars. Students also coordinate and run the annual Biotech Day and assist in teaching DNA labs in the sophomore Biology Program. This class is for the student who loves the lab and is an independent thinker desiring a challenge and an opportunity to get involved in meaningful real scientific research.

Physics Survey A & B

SCI250 & SCI251 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:11,12
Prerequisite: 2 credits of science Supplies/Fees: 3-ring binder, scientific calculator

This conceptual lab course covers classical Newtonian mechanics, thermodynamics, fluid mechanics, wave properties of sound and light, and electromagnetic fundamentals. Students will also be exposed to a plethora of seemingly weird and contradictory phenomena that makes modern physics what it is today. This course provides students the opportunity to learn science concepts and principles, practice reasoning and problem solving abilities and develop inquiry skills that support the Next Generation Science Standards.

Advanced Physics A & B

SCI252 & SCI9253 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:11,12
Prerequisite: Successful completion of Advanced Chemistry. It is recommended that students are enrolled in or have previously taken Pre-Calculus.

Supplies/Fees: 3-ring binder, graphing calculator.

This college-prep lab course covers classical Newtonian mechanics, thermodynamics, fluid mechanics, wave properties of sound and light, and electromagnetic fundamentals. Students will also be exposed to a plethora of seemingly weird and contradictory phenomena that makes modern physics what it is today. This course provides students the opportunity to learn science concepts and principles, practice reasoning and problem solving abilities and develop inquiry skills that support the Next Generation Science Standards.

Scanning Electron Microscope

SCI240 CADR / Science Lab / Honors / NCAA Approved .50 credit Grade Level:11,12
Prerequisite: 2 credits of science and teacher permission Supplies/Fees: None

This course is designed to introduce the theoretical and practical concepts of scanning electron microscopy (SEM), and to provide extensive lab opportunities for students. In this hands-on course, students learn how to prepare specimens for electron microscopic study and how to use the SEM to examine, photograph and analyze these specimens. Students will have the opportunity for individual research projects. This course is ideal for self-motivated students interested in independent research in the sciences.

Advanced Scanning Electron Microscope

SCI241 CADR / Science Lab / Honors .50 credit Grade Level:11,12
Prerequisite: Scanning Electron Microscope and teacher permission Supplies/Fees: None

This course is only for students who have successfully completed the first Scanning Electron Microscope course and have been approved by the instructor. This course will go beyond the basic SEM use and will focus on more in depth projects and applications. When available, students will work on independent research projects partnered with outside organizations, colleges or universities. Students will also help train beginning SEM students. There are limited spots available for this class.

Astronomy

SCI231 CADR / Science Lab / NCAA Approved .50 credit Grade Level:11,12
Prerequisite: 2 credits of science Supplies/Fees:None

Astronomy is an activity-based science elective intended for the student who lacks the math skills necessary for chemistry and physics. In this course, we look at the background of thought that has brought us to our present understanding of the cosmos and the methods used to make these pertinent observations. Other topics of study include planetary motion, multiple star systems, the birth and death of stars, and awareness of some really cool things that exist out there. This course is appropriate for both the college-bound student and for those seeking to fulfill science graduation requirements. This course provides students the opportunity to learn science concepts and principles, practice reasoning and problem solving abilities and develop inquiry skills that support the Next Generation Science Standards.

Earth Science

SCI230 CADR / Science Lab / NCAA Approved .50 credit Grade Level:11,12
Prerequisite: 2 credits of science Supplies/Fees: None

Earth Science is an activity-based science elective designed to meet the state's third-year graduation requirement. In this course, students will develop a more in-depth understanding of our Earth's structure and composition, plate tectonics, Earth's water processes, topographic maps and compass work, as well as an in-depth look at our Earth's weather and climate. This course is appropriate for both the college-bound student and for those seeking to fulfill science graduation requirements. This course provides students the opportunity to learn science concepts and principles, practice reasoning and problem solving abilities and develop inquiry skills that support the Next Generation Science Standards.

Marine Biology Survey

SCI232 CADR / Science Lab / Honors / NCAA Approved .50 credit Grade Level:11,12

Prerequisite: 2 credits of science Supplies/Fees: None

Marine biology survey course is designed to provide an introduction to principles of marine science, the ecology and physiology of life in the sea, the structure and function of marine ecosystems, a broad understanding of oceanographic principles and the impact of humans on the marine environment. A combination of lecture and laboratory work will be used to study a variety of organisms and habitats with a particular emphasis on Pacific Coast communities.

Human Anatomy and Physiology Survey A & B

SCI234 & SCI4235 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:11,12

Prerequisite: 2 credits of science Supplies/Fees: None

A & B may be taken independently

Human Anatomy & Physiology covers the structure and functioning of the human body. This class is designed to provide an introduction to human anatomy, physiology and the mechanisms of disease. Topics include: body organization, tissues, the skeletal, muscle, respiratory, circulatory, endocrine, reproductive, digestive and nervous systems. This course will explore anatomical structures in these various body systems as they relate to the physiology, or inner workings, of that system. Emphasis will be placed on the interactions of organs as they work together to maintain balance or homeostasis.

EWU BIOL 232 HUMAN ANATOMY AND PHYSIOLOGY (College in the High School)

CADR/Science Lab/Honors 1.0 credit Grade level 11, 12

Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: None

This is a college level class. Students have the opportunity to earn 5 college credits.

This class focuses on the structure and function of the human organism. Chemistry, Cells, Histology, Integumentary system, Skeletal system, Excitable tissues, and Muscular system will be completely and thoroughly covered. This class is designed to provide an introduction to human anatomy, physiology and the mechanisms of disease. Topics include: body organization, tissues, the skeletal, muscle, respiratory, circulatory, endocrine, reproductive, digestive and nervous systems. This course will explore anatomical structures in these various body systems as they relate to the physiology, or inner workings, of that system.

GEOL 101 - Introduction to Geology (College in the High School)

SCI258 CADR / Science Lab / Honors / NCAA Approved 1.0 credit Grade Level:11,12

Prerequisite: College admission (forms will be completed in class), pass the college placement test.

Supplies/Fees: Scientific Calculator.

This is a college level class. Students have the opportunity to earn 5 college credits.

An introduction to geology emphasizing the origin and nature of the common rocks, plate tectonic theory, earthquake and volcanoes, and geologic time. Upon successful completion of this course, the student will be able to:

- Demonstrate a basic understanding of Earth composition and physical processes on a broad range of scales.
- Describe how geologists generate testable hypotheses to explain and predict natural hazards, including earthquakes, volcanoes, tsunami and landslides.
- Describe how geologic investigation has developed over the past several centuries and analyze how it has been applied to questions related to the nature of Earth through history.
- Distinguish data from interpretation.

[See the CTE \(Career and Technical Education\) section of the catalog for additional science credit options.](#)

CTE

Career and Technical Education / STEM Career and Technical Education

Our CTE Courses:

The Career and Technical Education courses offer students at W. F. West the opportunity to explore and prepare for post-secondary programs through community/technical or four year colleges. A sequence of courses can provide students with entry-level employment skills for internships, apprenticeships and preparation for industry certification. All CTE courses listed meet the Career and Technical education credit requirements for graduation.

FFA Requirements

These Courses meet FFA membership requirements:

Ag Leadership and Career Development

Animal Biology A & B

Applied Botany A & B

Advanced Botany/Floriculture

Biology CTE (taught by Mr. Guenther or Ms. Bailey)

Environmental Science A & B

Metalworking and Fabrication

Intro to Veterinary Science

Intro to Welding

Advanced Welding

CTE:Environmental Studies & Agriculture

Animal Biology A & B

SCI310 & SCI311 Occupational~CTE / Science Lab / NCAA Approved AG Pathway 1.0 credit
Prerequisite: Biology Supplies/Fees: None Grade Level: 11,12

Fall Semester:

- Use live animals to recognize and interpret animal behaviors
- Learn about the history and purpose of animal production, while identifying marketing trends
- Understand and debate about current animal management systems
- Interpret nutrition labels and identify the role nutrition plays in health, growth, and productive efficiency

Spring Semester:

- Work with live animals to learn about nutrition and health management practices
- Learn and demonstrate effective disease prevention and identification techniques used in use in the livestock production industry
- Demonstrate selection skills as they pertain to specific industry standards and trends
- Identify and debate Public Policies influencing the future of Livestock production

Biology A & B (CTE)

SCI206 & SCI207 Occupational~CTE / Science Lab / NCAA Approved Ag Pathway 1.0 credit
Prerequisite: None Supplies/Fees: None Grade Level 9

- Participate in hands-on labs, research assignments, and group projects in life science
- Learn about matter cycles and the flow of energy within organisms and the ecosystem

Applied Botany A

SCI320 Occupational~CTE / Science Lab / NCAA Approved Ag Pathway .50 credit(Fall)
Prerequisite: None Supplies/Fees: None Grade Level:9,10,11,12

- Learn the scientific concepts behind the growth and reproduction of plants
- Develop skills in various plant propagation techniques
- Establish foundational knowledge necessary for working with plants in a greenhouse setting

Applied Botany B

SCI321 Occupational~CTE / Science Lab / NCAA Approved Ag Pathway .50 credit(Spring)

Prerequisite: Applied Botany A is recommended Supplies/Fees: None Grade Level:9,10,11,12

- Develop skills associated with operating and managing a greenhouse: creating floral arrangements, plant propagation, advertising/marketing
- Learn skills necessary to grow and care for plants in a greenhouse setting
- Explore careers in the horticulture industry

Advanced Botany/Floriculture

SCI322 Fine Arts / Occupational~CTE / Science Lab / NCAA Approved Ag Pathway .50 credit(Spring)

Prerequisite: Botany A or B recommended Supplies/Fees: None Grade: 10, 11, 12

- Develop skills and techniques used in the floral industry
- Create floral arrangements using both cut flowers and live plants
- Explore ways plants are used to increase property value

Environmental Science A & B

SCI300 & SCI301 Occupational~CTE / Science Lab / NCAA Approved Ag Pathway 1.0 credit

Prerequisite: None Supplies/Fees: None Grade: 10 (or w/ teacher permission)

Fall Semester:

- Learn foundational concepts in the management of natural resources and ecosystems
- Explore characteristics of aquaculture, marine life and aquatic habitats
- Discover industries and careers related to natural resources

Spring Semester

- Explore the uses and importance of land-based natural resources, building off of concepts learned in Environmental Science A
- Learn how various geological processes impact our earth: earthquakes, volcanoes, the rock cycle, etc.
- Develop an understanding of the introductory concepts in environmental chemistry

Ag Leadership and Career Development (Independent Study)

LED500 Occupational~CTE Ag Pathway .50 credit (repeatable with teacher approval)

Prerequisite: Teacher Approval Supplies/Fees: None Grade: 10, 11, 12

- Articulate Earth and Life Sciences as they relate to Agricultural Industries
- Demonstrate leadership through individual and peer activities that strengthen 21st Century Skills
- Identify career and leadership skills that enhance employability in agricultural career fields
- FFA membership and participation is highly recommended

Timber Resource Sciences

SCI340 Occupational~CTE / Science Lab Ag Pathway .50 credit

Prerequisite: Environmental Science A and B recommended Supplies/Fees: None Grade: 11, 12

- Gain an understanding of the scientific concepts that influence the growth, care and production of trees.
- Learn to identify numerous types of trees used for economic production in the Pacific Northwest.
- Explore various management practices and tools used in the forestry industry.

Intro to Veterinary Science

SCI330 Occupational~CTE / Science Lab Ag Pathway .50 credit

Prerequisite: Biology Supplies/Fees: None Grade: 11, 12

- Learn clinical skills that are practiced in veterinary related career fields
- Use live animals and models to demonstrate veterinary clinical skills
- Enhance effective communication relevant to veterinary careers

CTE: Engineering and Manufacturing

Engineering Drafting 1

IND261 Occupational~CTE / Fine Arts / Math (if approved) STEM Pathway .50 credit

Prerequisite: None Supplies/Fees: None Grade: 9, 10, 11, 12

- Design parts used in aerospace, motorsports & industry using cutting edge computer aided design (CAD) software
- Explore manufacturing methods to optimize parts for strength, weight, and cost
- Bring designs to life using rapid prototyping techniques such as 3D printing

Engineering Drafting 2

IND262 Occupational~CTE / Fine Arts / Math (if approved) STEM Pathway .50 credit

Prerequisite:Engineering Drafting 1 Supplies/Fees:None Grade:9,10,11,12

- Designing complex parts and assemblies
- Use state of the art simulation software (FEA) to discover how parts will perform in the real world
- Create 3D renderings and animations of parts and assemblies

Introduction to Metals

IND173 Occupational~CTE/ Fine Arts STS Pathway .50 credit

Prerequisite:None Supplies/Fees:None Grade:9,10,11,12

- Project based introduction to the world of machining and metalworking
- Fundamentals of shop safety and use
- Explore layout/measurement, bench metalwork, foundry work, hand threading, heat treating, elementary sheet metal, cutting torch operation, drill press operation and offhand grinding

Metalworking and Fabrication (CNC Machining)

IND174 Occupational~CTE/Fine Art STS Pathway .50 credit

Prerequisite:None Supplies/Fees:Project materials Grade:9,10,11,12

- Students will develop skills in lathe, milling machine, and shaper operation and foundry pattern construction
- An introduction to plastics will be provided
- Students will apply skills to fabrication projects in a hands-on lab

Automotive Technology A & B

IND413 & IND 414 Occupational~CTE STS Pathway 1.0 credit

Prerequisite: None Supplies/Fees:None Grade:9,10,11,12

- Multi-faceted program that includes a general study of the history, theory and operation of the automobile.
- Basic car care techniques are learned by demonstration and hands-on experience.
- Students will learn basic shop safety and workplace (21st Century) skills.

Advanced Automotive Technology

IND415 Occupational~CTE STS Pathway .50 credit

Prerequisite:Auto Tech A & B Supplies/Fees:Project materials Grade:10, 11,12

- This course expands on the skills taught in the Automotive Technology A & B classes.
- This course also includes an in-depth study of electrical and electronic systems and parts.
- Students will develop skills in systems comparison, drive problem diagnosis, gear ratios, advanced maintenance and repair.

Intro to Welding

IND170 Occupational~CTE Ag Pathway .50 credit (course may be repeated w/ instructor approval)

Prerequisite:None Supplies/Fees:None Grade:9,10,11,12

- Learn and demonstrate set-up and shutdown procedures on plasma cutter, oxy-acetylene cutter/ oxy-acetylene welder
- Complete two cuts using a plasma and oxy-acetylene cutting torch
- Complete Butt-Joint, Tee- Joint, and Lap Joint welds in flat, horizontal, vertical and overhead positions

Advanced Welding

IND171 Occupational~CTE Ag Pathway .50 credit

Prerequisite:B or higher in Intro to Welding recommended Supplies/Fees:None Grade:9,10,11,12

College Credit may be granted to students that achieve a 4.0 in this course

- Learn and demonstrate basic operational procedures for Shielded Metal Arc Welding, Gas Metal Arc, or Tungsten inert gas based on level
- Complete Butt joint, Tee Joint, Lap Joint weld in flat, horizontal,vertical and overhead positions

Advanced Welding: Metal Art

IND172 Occupational~CTE/Fine Art STS Pathway .50 credit
Prerequisite: B or higher in Intro to Welding recommended Supplies/Fees: \$25 shop fee Grade: 10, 11, 12

- Design and build metal art projects.
- Learn how to use OxyFuel, Shielded Metal and Gas Metal Arc, and Tungsten Inert Gas welding to create art projects.
- Use computer aided drafting technology to design 3-D metal projects on CNC plasma cutting tables.
- Course may be repeated with instructor approval.

Woodworking A and B

IND500 & IND510 Occupational~CTE/ Fine Art STS Pathway 1.0 credit
Prerequisite: None Supplies/Fees: Project materials Grade: 9, 10, 11, 12

- Learn Cabinet and Furniture design and construction
- Learn to use a wide variety of hand and power tools
- 1st Semester Students will learn project construction while completing required projects
- 2nd Semester students design and build their own projects

Construction A and B

IND550 & IND560 Occupational~CTE/ Fine Art STS Pathway 1.0 credit
Prerequisite: None Supplies/Fees: Project materials Grades 10, 11, 12

- Earn building construction practices and techniques
- Learn how to use the hand and power tools of the trade
- Students will participate in large and small building projects

Robotics A & B

SCI244 & SCI245 Occupational~CTE / Science Lab / NCAA Approved STEM Pathway 1.0 credit
2 semesters, may be repeated with counselor/teacher approval Grade: 10, 11, 12
Prerequisite: Engineering Drafting 1 and 2 are strongly suggested. Supplies/Fees: None

The purpose of this course is to develop the necessary problem-solving and technical skills to design and build robots that perform specific tasks. This course will provide a foundation for pursuing further engineering studies. Students in the robotics class will complete a curriculum in which they choose a number of different self directed projects which support the robotics team. The course will also be designed to explore the current and future use of automation technology in industry and everyday use. The students will receive a comprehensive overview of robotic systems and the subsystems that comprise them. Students can pick a focus area which involves them in any aspect of the team from construction of the actual robot, to software and programming, to promotion, or team management. You will also be inspired and prepared to join the FIRST Robotics Team. FIRST is an international organization "For Inspiration and Recognition of Science and Technology."

Aviation Robotics A & B

SCI246 & SCI247 Occupational~CTE / Science Lab / NCAA Approved STEM Pathway 1.0 credit
Prerequisite: None Supplies/Fees: None Grade: 9, 10, 11, 12

Students in introduction to aviation will get an introduction to what a career in aviation would look like. Students will gain an in-depth understanding of how aircrafts are built, what forces they must withstand, and how they are operated. Students will have access to a number of drones as well as a flight simulator. By the end of this course students will understand what aviation careers are available and how to move toward a career in aviation. Students will also be well prepared for the next step of moving on to pilot ground school or obtaining a drone pilot license.

Advanced Aviation Robotics 2 A & B

SCI248 & SCI249 Occupational~CTE / Science Lab / NCAA Approved Stem Pathway 1.0 credit
Prerequisite: Aviation Robotics Supplies/Fees: None Grade: 10, 11, 12

This class is a continuation from Aviation Robotics. Students will continue to learn about careers in aviation with an emphasis on weather as well as flight planning and navigation in different scenarios. During the second semester of this class students will choose either a Private Pilot or UAS pathway. In whichever pathway the students choose they will become prepared to take the FAA knowledge test for that particular pathway.

CTE: Fine Arts and Communication

Speech and Agriculture Communications

ENG315 Occupational~CTE / English Language Arts Ag Pathway .50 credit(Spring)

Prerequisite:None

Supplies/Fees:None

Grade:11,12

- Prepare yourself for the job market by creating a job interview portfolio.
- Master job interview skills that will assist you in college and career preparation.
- Enhance effective communication through speech and writing.

Graphic Design A (Fall) / B (Spring)

ART300/301 Fine Arts / Occupational~CTE STS Pathway .50 credit Grade:9,10,11,12

Prerequisite:None Supplies/Fees:None

- Students will understand the basic design elements and learn the principles of design.
- Students will learn to edit graphics as well as manipulate images.
- Students will learn to use color and typography to enhance designs.
- Students will apply design techniques to create logos, complex graphics, brands and advertising media.
- Students will learn Adobe Illustrator and Photoshop, as well as be given the opportunity to become an Adobe Certified Professional.

Graphic Design Advanced

ART303 Fine Arts / Occupational~CTE STS Pathway .50 credit Grade:10,11,12

Prerequisite: "B" or better grade in Graphic Design A & Graphic Design B or instructor approval

Supplies/Fees:None

- Students design their own projects as part of an approved course of study building on skills toward specific goals.

Photography 1/2

ART250& ART251 Fine Arts / Occupational~CTE . STS Pathway .50 credit Grade:9,10,11,12

Prerequisite: 1 (None), 2 (87% or higher in Photo 1, or instructor approval) Supplies/Fees:None

- Students will master all functions of a Digital SLR camera.
- Students will work with different lenses and photo gear to expand their knowledge base.
- Students will become familiar with basic photo editing using Adobe Lightroom and Photoshop.
- Students will work with different lenses and photo gear to expand their knowledge base.
- Students will learn photographic composition techniques to produce a portfolio of their work.
- Students will produce an online portfolio of their semester's work along with physical prints.

Advanced Photography

ART253 Fine Arts / Occupational~CTE STS Pathway .50 credit(repeatable) Grade:10,11,12(w/ teacher permission)

Prerequisite:B+ (87%) or higher in Photography 1 & 2, or instructor approval Supplies/Fees:None

- Students will photograph sporting/extracurricular activities, student life, and community events.
- Students will learn to work under pressure and meet deadlines.
- Students will collaborate with the yearbook, leadership and other classes, supplying images that highlight various aspects of W. F. West High School life and our community.

Sign Making:A,B,&C

ART 150/151/152/153/154 STS Pathway Fine Arts / Occupational~CTE .50 credit Grade:9,10,11,12

Prerequisite: Sign A (none); Sign B (minimum 72% in Sign A and/or instructor approval); Sign C (minimum 72% in Sign B and/or instructor approval) Supplies/Fees:None

- Students will learn, review and demonstrate knowledge of commercial sign making applications such as design, software, layout production
- Students will use technology skills to design drafts for personal & High School projects (under the supervision of the teacher).
- Students will use technology to communicate with High School employees for approval of custom designs on limited substrates.
- Students will collaborate with students in different skill levels in regards to design software as well as printing and cutting software and equipment.
- Students will participate in peer critiques, learn from, and assist students of different skill levels. Upper level students will have the opportunity to act as peer mentors and offer advice and expertise.
- Students will practice skills and work towards proficiency in all design phases available to them: Design Software (Macsign, Ai, & Ps), & Summa 30", 48", & 54" Vinyl Sign Plotters.

- Students will be placed in the appropriate leveled class by the instructor based on previous enrollment.

Sign Making Advanced

ART154 Fine Arts / Occupational~CTE STS Pathway .50 credit(repeatable) Grade:10,11,12

Prerequisite: minimum 80% in Sign Making A,B & C and/or instructor approval Supplies/Fees:None

- Advanced Students will review and demonstrate knowledge of commercial sign making applications: Design, Software, Layout, Production, Installation on various substrates, print and cutting vinyl sign making applications.
- Advanced Students will use technology skills to design drafts for real customers (under the supervision of the teacher).
- Advanced Students will use technology to communicate with real clients for approval of custom designs on various substrates.
- Advanced Students will work as peer mentors for all level 1, 2, & 3 sign making students in regards to design software as well as printing and cutting software & equipment.
- Advanced students will lead peer critiques of student designs & offer advice in regards to their experience & expertise.
- Advanced students will use and demonstrate proficiency at a professional skill level in all design phases available to them: Thermal Transfer Printing (Summa DC5, Design Software (Macsign, Color Control, Ai, & Ps), Summa 30", 48", & 54" Vinyl Sign Plotters.
- Advanced students will use technology to price customer projects & learn to create invoices for real clients.
- Advanced students will use their technology skills to problem solve for unique customer projects with the technology, substrates, & equipment available to them.

Screen Printing A/B: Commercial Art

ART350/351 Fine Arts / Occupational~CTE STS Pathway .50 credit Grade:9,10,11,12

Prerequisite:Graphic Design A, or instructor approval

Supplies/Fees:None. 6 shirts provided. Students may use their own garments for additional printing.

- Students will understand copyright laws, shop safety and design basics using Adobe Illustrator.
- Students will create original designs and learn about the screen printing process: production, printing, clean up and reclamation.
- Students will expand their knowledge of graphics software, screen prep, exposure, inks, and garments.
- Students will use advanced printing techniques
- Students will be able to work cleanly, safely, and understand the workplace nature of the print shop and efficiently within it.

Advanced Screen Printing: Commercial Art

ART352 Fine Arts / Occupational~CTE STS Pathway .50 credit(repeatable) Grade:10,11,12

Prerequisite:Screen Printing A/B, instructor approval

Supplies/Fees:None, 6 shirts provided. Students may use their own garments for additional printing.

- Students will create original 1, 2, and 3 spot-color screen prints from concept to production, printing, clean up and reclamation.
- Students will use advanced printing techniques- simulated, 4-color process and special effects.
- Students will expand their knowledge of graphics software, screen prep, exposure, inks, and garments.
- Students will manage our print shop and work cleanly, safely, and efficiently within it.

CTE: Business, Finance & Information

This career and technical education pathway is supported by the SkillsUSA organization. Students interested in a career pathway in Business Education are encouraged to join SkillsUSA to develop business leadership skills, encourage scholarship, promote responsible citizenship, and give students the opportunity to compete in contests that will use the skills they develop through their coursework.

Business & Marketing 1 A&B / 2 A&B

BUS100 & 101 / BUS200 & 201 Occupational~CTE B&M Pathway 1.0 credits Grade:9,10,11,12

Prerequisite:None Supplies/Fees:None

In the year-long Business and Marketing Essentials, an introductory business and marketing course, enables students to acquire a realistic understanding of business processes and activities. Students examine fundamental economic concepts, the business environment, and primary business activities. They will develop an understanding of and skills in such areas as customer relations, economics, emotional intelligence, financial analysis, human resources management, information management, marketing, operations, professional development, and strategic management. Throughout the course, students are presented ethical dilemmas and problem-solving situations for which they must apply academic and critical-thinking skills.

Towards the end of the BAM I year students will start training to work at the student store that is run and managed by students in BAM II.

Business & Marketing 3 A & B

BUS300 & 301 Occupational~CTE B&M Pathway 1.0 credits Grade:10,11,12
Prerequisite:None Supplies/Fees: None

Teaches the management concepts and communication skills necessary to become an effective business leader. Students have the opportunity to apply business, marketing, and leadership concepts by managing student-based enterprise. Students have the opportunity to participate in DECA leadership activities and continue their work in the student run coffee shop "The Crimson & Gray powered by L.C. Coffee. Students will take on management roles to help guide and further the school based enterprise.

Entrepreneurship A/B

BUS400 Fine Arts/Occupational~CTE STS Pathway .50 credit Grade:9,10,11,12
Prerequisite: A (none), B (must have taken Entrepreneurship A and received an A- or higher) Supplies/Fees:None

- Students will learn steps to take to start their own business.
- Students will research, produce and market a product to sell as a team.
- Students will create a business idea of their own and pitch their business to an advisory board.
- Students will focus on creating their own business outside of school
- Students will research, produce and market their business on social media and other venues
- Students will create a business plan and marketing materials and start a website for their business
- Students will pitch their business to an advisory board in hopes to have their business funded at the end of the semester.

Personal Finance A & B

MTH505 & MTH506 Occupational~CTE / Math B&M Pathway 1.0 credit Grades:11,12
Prerequisite:None Supplies/Fees:Calculator

- Students will learn how to manage their income, pay taxes, develop and use budgets, using cash, checking and savings and credit
- Students will learn about the cost of living such as transportation, housing,taxes, insurance and retirement.

Yearbook Fall & Spring

ENG900 & ENG901 Occupational~CTE / Fine Arts B&M Pathway 1.0 credit (repeatable) Grade:9,10,11,12
Requirements: Teacher approval Supplies/Fees:None

The yearbook course has been designed to provide students with the journalism skills and the ability to apply those skills to the actual production of the yearbook. Units of study include teamwork, responsibility, brainstorming, content, coverage, concept, reporting, writing, headlines, captions, editing, photography, typography, design, graphics, finances, yearbook campaigns, advertising and distribution. The work done by the yearbook staff is a real-world experience that results in the current volume of our school's yearbook. The publication strives to maintain a tradition of excellence in which the school and the community can take pride. Mastery of the goals and objectives educate staff members in all areas of publication production. As a result, students should be able to pursue journalism with a strong background either in their advanced studies or in a career.

CTE: Health Sciences

Nutrition and Wellness for Life A & B

HLV300 & HLV301 Occupational~CTE/Science Lab FCS Pathway 1.0 credit Grade:9,10,11,12
Prerequisite:None Supplies/Fees:None

- Students will learn about nutrition as it relates to physical health and science.
- Students will conduct experiments, then predict, interpret, and evaluate food laboratory results.
- Students will explore career opportunities available in the fields of food science and nutrition.
- Students will use 21st century skills to demonstrate their knowledge about nutrition.

Sports Medicine

SCI090 Occupational~CTE / Science Lab HS Pathway .50 credit Grade:9, 10,11,12
Prerequisite:None Supplies/Fees:None

A medical course dealing with selected topics including first aid, cardiopulmonary resuscitation, identification of parts of the human body, & instruction in athletic taping. Topics will include First-Aid, CPR, Anatomy, Athletic Taping, Legal concerns in Sports Medicine, & Introduction to the Sports Medicine profession.

Advanced Sports Medicine

SCI091 Occupational~CTE / Science Lab .50 credit Grade:9, 10,11,12

Prerequisite: Completion of Sports Med & teacher permission Supplies/Fees:None

A continuation of Sports Medicine:

A medical course dealing with selected topics including first aid, cardiopulmonary resuscitation, identification of parts of the human body, & instruction in athletic taping. Topics will include First-Aid, CPR, Anatomy, Athletic Taping, Legal concerns in Sports Medicine, & Introduction to the Sports Medicine profession.

Intro to Health Careers

SCI099 Occupational~CTE / Science Lab HS Pathway .50 credit Grade:9,10,11,12

Prerequisite: None Supplies/Fees: None

A general introductory course in health sciences that includes an overview and exploration of a variety of health careers. This course is designed to create an awareness of career possibilities in health care and inform students of the educational options available for health science. For each career they study, students examine the main tasks and challenges of professionals in that career, the treatments they administer, and the interaction those professionals have with other professionals. Where possible, students do authentic hands-on work that a professional would do.

CC MA Medical Terminology: MA 139 (College in the High School)

SCI095 Occupational~CTE / Science Lab HS Pathway 1.0 credit Grade:10,11,12

Prerequisite: Sports Medicine, College Admission (forms will be completed in class), pass the college placement test

Supplies/Fees: None This is a college level class. Students have the opportunity to earn 5 college credits.

This course examines the nature and function of the medical language and the building of medical words from word roots, prefixes, suffixes, abbreviations and combining forms. By relating terms to body systems, students identify proper use of words in a medical environment. Upon completion of this course students should be able to recognize spoken medical terms, analyze word parts for meaning and understand basic medical terminology.

CTE: Human Services Course Description

Personal & Career Readiness

HLV250 Occupational~CTE FCS Pathway .50 credit (semester) Grade: 9,10,11,12

Prerequisite: None

- Explore careers and pathways to include needed skills, training and education.
- Develop skills for problem solving and decision making.
- Make connections between family, school and community.
- Identify, practice and develop leadership characteristics.

Early Childhood Education A & B / Bearcat Preschool

HLV284 & HLV285 Occupational~CTE FCS Pathway .50 credit (semester) Grade:10,11,12

Prerequisite:TB test from Health Department Supplies/Fees:None

- Students will gain hands-on experience teaching in the Baby Bearcats Preschool.
- Students will learn about early childhood development, behavioral theories, and establishing supportive relationships with families and children.
- Students will learn how to create & implement developmentally appropriate lessons/activities for children ages 3-5

Introduction to Education: EFC 250 (College in the High School)

HLV500 Occupational~CTE FCS Pathway 1.0 credit Grade:10,11,12

Prerequisite: College admission (forms will be completed in class)

Supplies/Fees: None This is a college level class. Students have the opportunity to earn 5 college credits.

Introduction to teaching as a career, foundations and overview of American public education, effective teachers, responsibilities of schools in democratic society, essential professional competences, preparation, and certification. Culturally anchored, and offers a framework of equity pedagogy. Upon successful completion of this course, the student/teacher candidate will be able to:

- Apply knowledge of how schools are governed at federal, state, local, school and classroom levels to identify possible avenues of action to address a current issue in education.
- Describe the beliefs of the major schools of educational philosophy and psychology.

- Identify emerging personal ideology of education, including the influence of historical foundations, the purpose of schools, the role of teachers, the diversity of students, the dynamics of learning, and ways of knowing.
- Identify personal characteristics in terms of the characteristics of effective teachers, and apply them to teaching and learning scenarios.
- Develop and identify elements of and strategies to promote a culturally responsive and productive learning community using research, theory, observations and practice.
- Apply concepts related to learner differences and development to understand and identify strategies to holistically support students.

Freshman Seminar

HLV100 & 101 Occupational~CTE .50 credits Grade:9
Prerequisite:None Supplies/Fees:None

Freshman Seminar will help students learn skills necessary to be successful in high school and beyond. There will be an emphasis on responsibility, attitude/effort, and accountability. Students will explore course offerings and their links to the future including postsecondary educational planning and financial literacy. They will become familiar with high school structures, learn how to take advantage of available resources, develop socioemotional and intrapersonal skills, and strengthen organizational strategies.

World Languages

Every college-bound student should take at least two consecutive years of the same world language as an entry requirement, and a language is also recommended for anyone who thinks they may work with the public. Third year level study of a world language is advised as some colleges require it, and it can also be used to complete requirements for the Honors Program and can count as a fine arts credit. A final grade of at least 75% is strongly recommended to continue each sequence. To begin the World Language sequence as a freshman, a minimum middle school GPA of 3.0 in the core subjects is strongly recommended.

French 1A & 1B

FRN101 & FRN102 CADR / World Language / NCAA Approved 1.0 credit Grade Level: 9,10,11,12
Prerequisite: Sequence begins in the fall Supplies/Fees: Standard writing materials

This course is an introduction to the French language and culture. Students will demonstrate increased proficiency through interpersonal, interpretive and presentational communication skills. Students will demonstrate proficiency in speaking, writing and comprehension activities. . Cultural insight and understanding will be embedded in all units of study. Daily practice is necessary for success. Regular attendance is critical for student success. Students must take the language sequence in the same year. A passing grade on the final is required in order to continue to the next level.

Skills Taught: Contextual vocabulary, common expressions, and grammar skills including gender and adjective agreement, regular and irregular verbs in the present tense, negation.

French 2A & 2B

FRN201 & FRN202 CADR / World Language / NCAA Approved 1.0 credit Grade Level: 10,11,12
Prerequisite: C or above in French 1B recommended. Supplies/Fees: Standard writing materials

This course continues to focus on communication (interpersonal, interpretive and presentational) in speaking, writing and listening comprehension while focusing on the practices, products and perspectives of the French speaking world. Students will continue to increase proficiency levels, make connections, learn about cultural similarities and differences, and form communities.

CC French 121 (College in the High School)

FRN210 CADR / World Language / Honors / NCAA Approved 1.0 credit(Fall) Grade Level:10,11,12
Prerequisite: College admission (forms will be completed in class). Final grade of B+ or higher in French 1 or equivalent.
Supplies/Fees: Standard writing materials and dictionary.

This is a college level class; the pace is faster than French One. Students have the opportunity to earn 5 college credits. We will continue our study of the French language, including the major axes of reading, writing, listening, and speaking. In particular, the study of numbers, telling time, occupations, family, personal descriptions and introductions, geography, activities, seasons and weather. We will also continue study and use of grammatical concepts such as present and near future verb conjugations, articles, gendered nouns, question formation, and adjectives. While building competence in French language, we will also study francophone cultures from around the world, including but not limited to France.

CC French 122 (College in the High School)

FRN215 CADR / World Language / Honors / NCAA Approved 1.0 credit(Spring) Grade Level:10,11,12

Prerequisite: College admission (forms will be completed in class). Final grade of C+ or higher in French 121/2A or equivalent.

Supplies/Fees: Standard writing materials and dictionary.

This is a college level class. Students have the opportunity to earn 5 college credits.

We will continue to learn the basics of French, including reading, writing, listening, and speaking. In particular, we will cover themes including food and eating, places in a city, giving directions, holidays and traditions, and homes and furniture.

Grammatically, this course introduces concepts such as partitive articles, demonstrative determiners, direct and indirect object pronouns, regular and irregular –ir and –re verbs, different ways to form questions, the imperative mood, and past tense conjugations (both passé composé and l'imparfait). While building competence in the French language, we will also study francophone cultures from around the world while focusing on the products, practices and perspectives of the French-speaking world.

CC French 123 / French 3 (College in the High School)

FRN310 / FRN302 & FRN303 CADR / World Language / Fine Arts / Honors / NCAA Approved 1.0 credit Gr Level:11,12

Prerequisite: College admission (forms will be completed in class). Final grade of C+ or higher in French 122/2B or equivalent.

Supplies/Fees: Standard writing materials and dictionary.

This is a college level class. Students have the opportunity to earn 5 college credits.

Students will continue to increase their proficiency levels while furthering knowledge about the products, practices and perspectives of the French-speaking world. In particular, the course will cover the following themes: media and communication, fashion, health, secondary, university and professional life in France.

Spanish 1 A & B

SPA100 & SPA102 CADR / World Language / NCAA Approved 1.0 credit Grade Level:9,10,11,12

Prerequisite: None Supplies/Fees: Standard writing materials. Spanish/English dictionary highly recommended.

This course is designed to be an introduction to both the Spanish language and cultures. During this course, a whole language/storytelling model will be used. Students will learn to respond to basic Spanish phrases and commands, and will learn much of the basic vocabulary necessary for beginning communication. As the course progresses, students will learn to construct basic phrases and be introduced to many of the basic grammatical principles which govern the Spanish language. Accuracy in listening, speaking, reading, and writing will be emphasized.

Spanish 2 A & B

SPA200 & SPA202 CADR / World Language / Honors / NCAA Approved 1.0 credit Grade Level:9,10,11,12

Prerequisite: Spanish 1 A&B or equivalent.

Supplies/Fees: Standard writing materials. Spanish/English dictionary highly recommended.

This course is a continuing exploration of the Spanish language and cultures. Like Spanish 1, a whole language/storytelling model will be used. Students will learn to respond to intermediate Spanish phrases and commands, and will learn much of the vocabulary necessary for communication. As the course progresses, students will learn to construct intermediate phrases and be introduced to many of the grammatical principles which govern the Spanish language. Accuracy in listening, speaking, reading, and writing will be emphasized.

Spanish 3 A & B

SPA300 & SPA302 CADR/World Language/Fine Arts/Honors/NCAA Approved 1.0 credit Grade Level:10,11,12

Prerequisite: Spanish 2A&B or equivalent. Teacher approval is required

Supplies/Fees: Standard writing materials. Spanish-English dictionary, 501 Spanish Verbs (Kendris)

This course builds on the exploration of the Spanish language and cultures undertaken in Spanish 1 & 2. A whole language/storytelling model will be used. Students will learn to respond to complex Spanish phrases and commands, and will learn much of the vocabulary necessary for communication. As the course progresses, students will learn to construct complex phrases and be introduced to many of the advanced grammatical principles which govern the Spanish language. Accuracy in listening, speaking, reading, and writing will be emphasized.

Spanish 4 A & B

SPA400 & SPA402 CADR/World Language/Fine Arts/Honors/NCAA 1.0 credit Grade Level:10,11,12

Prerequisite: Spanish 3A&B or equivalent. Teacher approval is required Supplies/Fees: Standard writing materials.

Spanish-English dictionary, 501 Spanish Verbs (Kendris)

Students will learn to respond to complex Spanish phrases and commands, and will learn much of the vocabulary necessary for communication. As the course progresses, students will learn to construct complex phrases and be introduced to many of the advanced grammatical principles which govern the Spanish language. Accuracy in listening, speaking, reading, and writing will be emphasized.

Performing Arts - Music

W. F. West String Orchestra

MUS100 & MUS101 Fine Arts / Honors 1.0 credit, repeatable Grade Level:9,10,11,12

Fall and Spring semesters required Prerequisite: Previous membership in a string orchestra

Supplies/Fees: Instrument (except string bass) and uniform purchased by student

The W. F. West String Orchestra is a chamber ensemble that exposes players to a wide range of repertoire and genres: Classical, modern, fiddle, pop and rock music. The String Orchestra performs many times throughout the year outside the school day. Grading is based on performances, classwork and co-curricular rehearsals.

Skills Taught: Understanding and applying music theory, development of essential performance skills, advanced techniques, ear training, and basic singing.

Concert Band A & B

MUS140 & MUS141 Fine Arts / Honors 1.0 credit, repeatable Grade Level:9,10,11,12

Fall and Spring semesters required Prerequisite: Prior membership in a school band program or teacher permission

Supplies/Fees: Supply your own instrument. Band shirt and uniform purchased by the student.

Concert Band is a group participation class. Development of performance techniques at the high school level is stressed. Grading is based on performance tests, as well as extracurricular rehearsals and performances. Members will march as part of the "Bearcat Marching Band/Pep Band".

Skills Taught: Rehearsal techniques, intermediate notation reading, stage presence, ability to work together.

Wind Ensemble

MUS160 & MUS161 Fine Arts / Honors 1.0 credit, repeatable Grade Level:9,10,11,12

Fall and Spring semesters required Prerequisite: Prior membership in a school band program or teacher permission

Supplies/Fees: Supply your own instrument. Band shirt and uniform purchased by the student.

This is W. F. West's top large instrumental group. Members must demonstrate advanced performance skills for entry into the Wind Ensemble. Members will participate in the "Bearcat Marching Band/Pep Band". Grading is based on performance tests, as well as extracurricular rehearsals and performances.

Skills Taught: Rehearsal techniques, advanced reading of notation, mature stage presence, ability to work together.

Percussion

MUS150 & MUS 151 Fine Arts / Honors 1.0 credit, repeatable Grade Level:9,10,11,12

Fall semester: Percussion / Spring semester: Wind Ensemble

Prerequisite: Prior membership in a school band program or teacher permission

Supplies/Fees: Supply your own sticks and bag. Band shirt and uniform purchased by the student.

Percussion is a group participation class. Development of percussion performance techniques at the high school level is stressed. Grading is based upon effort, performance tests, extracurricular rehearsals, and performances. Members must participate in the "Bearcat Marching Band/Pep Band", and will perform with the Wind Ensemble and Concert Band.

Skills Taught: Rehearsal techniques, advanced percussion techniques, notation reading, stage presence, and ability to work together.

Jazz Ensemble Performance Group

MUS851 & MUS852 Fine Arts / Honors Grade Level:9,10,11,12

Fall and Spring semesters required

Prerequisite: Director approval; membership in one of the school's large ensembles. Large group membership not required for bass, guitar, or piano students. Days and times set by the band director at the beginning of the year.

Supplies/Fees: Supply your own instrument. Band shirt and uniform purchased by the student.

This select group of students will play for a number of performances throughout the year. Class work includes extracurricular rehearsals and performances. Class meets daily at 6:50 AM .

Skills Taught: Rehearsal techniques, advanced instrumental techniques, special jazz techniques, basic improvisation.

Concert Choir

MUS240 & MUS241 Fine Arts / Honors 1.0 credit, repeatable Grade Level:9,10,11,12

Fall and Spring semesters required

Prerequisite: Desire to improve singing skills Supplies/Fees: Partial uniform purchased by student

Concert Choir is a group participation class for students who have had little or no previous high school singing experience. Class work included up to four evening performances in a concert setting. Grading is based on performances, classwork and co-curricular rehearsals. **Skills Taught:** Development and application of healthy vocal technique for solo and group singing; sight singing and music reading; music theory; stage presence.

Westingers

MUS861 & MUS862

Fine Arts / Honors

Grade Level:9,10,11,12

Fall and Spring semesters required

Prerequisite: Audition (instructor approval) and membership in school choir, band or string class

Supplies/Fees: Uniform purchased by student

This is W. F. West's top small ensemble group. This select ensemble will study music in the jazz, pop, and classical styles. Performances outside the school will be an important part of this class which meets at 6:50 a.m. daily. Days and times set by the choir director at the beginning of the year.

Skills Taught: Development of healthy vocal technique, vocal improvisation (Scat singing); microphone technique; elements of small ensemble performance including interpreting advanced choral literature.

Lifetime Fitness

The Lifetime Fitness Department of W. F. West High School will encourage and prepare our students to become active participants in their own personal fitness. These classes will have an emphasis on a specific sport or activity. ALL Lifetime Fitness classes will incorporate the development of personal fitness profiles. These individualized fitness profiles will assist students in planning, implementing and monitoring activities that lead to a physically active personal & work life.

Health

PHE100

Health / Lifetime Fitness

.50 credit

Grade Level: 9

Prerequisite: None

Supplies/Fees: None

This course is designed to help students make decisions about the important social health issues of today. Topics will include cardiovascular fitness, basic first aid, understanding of emotions, positive self image, drug and alcohol awareness, sexuality awareness.

Light Weights & Fitness Fall & Spring

PHE201 & PHE202

Lifetime Fitness

.50 credit, repeatable

Grade Level:9,10,11,12

Prerequisite: None

Supplies/Fees:Tennis shoes, t-shirt, shorts & sweats

This class is designed for those wishing to tone up their bodies through lifting weights and cardio vascular fitness workouts.

Follows the same program as all our weights and fitness classes. Students will develop, implement and monitor a personal

health and fitness plan. Skills Taught: Various weight training techniques and styles. Cardio fitness, including plyometrics and speed training.

Weights & Fitness Fall & Spring

PHE301 & PHE302

Lifetime Fitness

.50 credit, repeatable

Grade Level:9,10,11,12

Prerequisite: None

Supplies/Fees:Tennis shoes, t-shirt, shorts & sweats

This is a co-ed training and conditioning class. Physical fitness testing and written testing may be included. Skills Taught: various weight training techniques and styles, and plyometrics, speed training.

APX Athletic Training Fall & Spring

PHE311 & PHE312

Lifetime Fitness

.50 credit, repeatable

Grade Level:9,10,11,12

Prerequisite: A or B in other Lifetime Fitness course recommended or Instructor Permission

Supplies/Fees:Tennis shoes, t-shirt, shorts & sweats

This course consists of rigorous training in weightlifting four days per week and stations for aerobic fitness, speed, agility, and hand-eye coordination one day per week. Skills Taught: techniques of weightlifting, plyometrics, speed training.

Sports & Fitness Fall & Spring

PHE101 & PHE102

Lifetime Fitness

.50 credit, repeatable

Grade Level:9,10,11,12

Prerequisite: None

Supplies/Fees:Tennis shoes, t-shirt, shorts & sweats

This class is designed for those students that want to gain knowledge and experience in a variety of sports. Incorporating sportsmanship, teamwork, rules and safety procedures as well as developing fundamental physical skills progressing to complex movement activities will be a high emphasis. Sports and Fitness may include but is not limited to: softball, football, soccer, basketball, floor hockey, volleyball, weight training, tennis, Badminton, pickleball, individual conditioning and swimming.

Fitness Walking & Low-Impact Exercise

PHE210 & PHE211

Lifetime Fitness

.50 credit, repeatable

Grade Level:9,10,11,12

Prerequisite: None

Supplies/Fees:None

This course helps students establish a regular walking program for health and fitness. Walking is appropriate for students of all fitness levels and is a great way to maintain a moderately active lifestyle. In addition to reviewing fundamental principles of fitness, students learn about goals and motivation, levels of training, walking mechanics, safety and injury prevention, appropriate attire, walking in the elements, hydration, and effective cross-training. Students take a pre- and post-fitness assessment and participate in a weekly fitness program involving walking.

Stretching & Flexibility Fall & Spring

PHE220 & PHE221 Lifetime Fitness .50 credit, repeatable Grade Level:9,10,11,12

Prerequisite: None Supplies/Fees:Tennis shoes, t-shirt, shorts & sweats

Students will learn various forms of stretching, including yoga, pilates and resistance and band training. Students will learn how to apply stretching and conditioning techniques to their other activities. Students will develop a stretching routine. This course will help the student to become more body aware through movement based systems that increase flexibility and allow for full range of movement of the joints and their corresponding connective tissues while still conditioning the body

PEF 113: Weights Training (College in the High School)

PHE350 Lifetime Fitness .50 credit Grade Level:9,10,11,12

Prerequisite: College admission (forms will be completed in class)

Supplies/Fees: Tennis shoes, t-shirt, shorts & sweats

Students have the opportunity to earn 1 college credit. Upon successful completion of this course, the student will be able to:

- Perform basic weight training exercise
- Perform exercises according to principles of training
- Exhibit an understanding of basic musculoskeletal anatomy and its relation to weight training
- Demonstrate good knowledge of the fundamentals of weight training

PEF 123: Aerobic Walking (College in the High School)

PHE355 Lifetime Fitness .50 credit Grade Level:9,10,11,12

Prerequisite: College admission (forms will be completed in class)

Supplies/Fees: Tennis shoes, t-shirt, shorts & sweats

Students have the opportunity to earn 1 college credit. Assessment of present level of cardiorespiratory fitness and prescription of an individualized aerobic walking exercise program for increasing and maintaining fitness. Upon successful completion of this course, the student will be able to:

- Learn warm-up and cool-down flexibility exercises.
- Increase their cardiorespiratory fitness by aerobically walking at a prescribed target heart rate and duration.
- Learn how to determine their individual resting, maximum, and training heart rate.
- Learn how to continue individually prescribed aerobic walking program for a minimum of 20 weeks.

General Electives/Other

CCR/Advisory (Career & College Readiness)

ADV100/ADV101 Elective .25 credit (per semester / 4 years) Grade: 9,10,11,12

CCR (Career and College Readiness) time is our 25 minute Advisory class that meets daily. Students will have Character Strong Lessons that include: Self-Awareness, Career and College Investigation, and Social Emotional skills. These lessons are taught every Wednesday. On Tuesdays and Thursdays we have CCR-FIT time that allows students to get help from their teachers during the school day and CCR Fridays are usually led by ASB, with assemblies and clubs.

AVID:(Advancement Via Individual Determination)

AVD101&102 / AVD201&202 / AVD301&302 / AVD401&402 Fine Arts/Elective 1.0 credit(each year)

Grade:9,10,11,12

Prerequisite: Approval through application process.

Supplies/Fees: None

AVID (Advancement Via Individual Determination) is offered as an elective course that prepares students for entrance into four-year colleges. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, note-taking, and research. These skills are all supported through WICOR (Writing, Inquiry, Collaboration, Organization, and Reading) strategies used throughout the AVID elective, as well as their core curriculum.

Leadership

LED503 & LED504 Fine Arts/Elective .50 credit; repeatable Grade:10,11,12(9th grade w/ teacher

approval)

Prerequisite: GPA of 2.5/Application form to be filled out and submitted by the student. Supplies/Fees: None

Students will demonstrate the commitment and responsibility required in being a leader inside and outside the school community. They will become proficient in working as a team to plan events and student recognition programs and will gain the leadership skills needed to become school and community leaders.

Teacher Assistant

TEA200 Elective (S/U grading) .50 credit; repeatable Grade:11,12

Prerequisite: Excellent attendance, teacher, and counselor approval Supplies/Fees: None

To be a teacher's aide, the student must get permission from the teacher. **Only juniors and seniors may be aides for a maximum of one period per day, with a limit of four classes of either TA or Peer Tutor toward graduation.** Teachers can only have two TAs per semester. Students on an academic PE waiver may not take any TA class.

Peer Tutor

TUT210 Elective .50 credit; repeatable Grade:11,12

Prerequisite: Excellent attendance, teacher, counselor or administrator approval Supplies/Fees: None

Students will work one-on-one and in small group instruction with students both within the classroom and/or small-group setting and serve as learning advocates. They will earn a letter grade; **More than eleven absences will result in a failing grade.** Students will learn how to effectively support classroom instruction with small groups and individuals. Emphasis is placed on assisting peers with improving their skills in a variety of subjects while working closely with classroom teachers. Only juniors and seniors may be Peer Tutors for a **maximum of one period per day, with a limit of four classes of either TA or Peer Tutor toward graduation.** Students on an academic PE waiver may not take any TA class.

Elementary Teacher Assistant, Counseling Center Aide, or Office Assistant

TEA300 / TEA100 / TEA110 Elective .50 credit; repeatable Grade:11,12

Prerequisite: Teacher, counselor or administrator approval Supplies/Fees: Must supply own transportation

This is an 18-week course designed to provide students the opportunity to work each day at one of the elementary/middle schools, the W.F. West Counseling Center or the W.F. West high school main office within the Chehalis School District. They will earn a letter grade or S/U grading (depending on the scope of work and teacher/dept decision). **More than eleven absences will result in a failing grade.** Only juniors and seniors may be assistants for a **maximum of one period per day, with a limit of four classes of either TA, Assistants, or Peer Tutor toward graduation.** Skills Taught: patience, self-discipline, acceptance of differences, diligence, working with others, problem solving, communications. Students on an academic PE waiver may not take any TA class.

Work-Based Learning

LED900 Occupational~CTE/Elective .50 credit per semester Grade: 11, 12

Prerequisite: Juniors and Seniors must be on track to graduate, already have established employment, and be approved for the work-based learning opportunity through the counseling center. Work-based learning activities extend the classroom into the workplace, connecting acquired knowledge and skills to a student's future employment. Work-based learning comprises a wide range of activities, conducted as an extended learning experience, including, guest speakers, field trips, job shadows, worksite learning, and more.

Students who participate in work-based learning may:

- Show improved academic achievement;
- Have the opportunity to explore career options and increase self-confidence;
- Acquire real workplace experience and employability skills; and
- Be more likely to go on to some type of educational training after high school

Student Support

In order to register for any class offered through Special Education, the student must have a current IEP. If you have any questions regarding Special Education, be sure to contact the Counseling Center at 807-7235, ext. 5514 or the Student Support office at 807-7245.

English

SUP790&791 / SUP794&795 / SUP796&797 English Language Arts / NCAA Approved 1.0 credit Grade:9,10,11
Prerequisite:IEP Supplies/Fees:None

This Special Education course is a class designed for students with an I.E.P. in the area of reading and/or writing. It includes individual and group work. Coursework is designed around, but not limited to, the W. F. West English Language Arts Scope and Sequence for grades 9-11 in order to meet students' needs and to achieve students' individual IEP goals. Mastery of basic skills, ability to communicate conceptual understanding by using existing information to form deeper meaning, communicate their understanding and reasoning to peers, generate own hypotheses and create non-linguistic representations of information to communicate understanding.

Senior English

SUP798 & SUP799 English Language Arts / NCAA Approved 1.0 credit Grade:12
Prerequisite:IEP Supplies/Fees:None

This Special Education course is a class designed for students with an I.E.P. in the area of reading and/or writing. Individual and group work. Coursework is designed around, but not limited to, the W. F. West English Language Arts Scope and Sequence for grade 12 in order to meet the students' needs and to achieve students' individual IEP goals. Students will research, edit and publish a career research paper, complete required academic and service reflection papers, as well as documenting required activities, hours or points, and create and present a culminating presentation.

Pre-Algebra A & B

SUP802 & SUP803 STEM / Math 1.0 credit Grade:9,10,11,12
Prerequisite: IEP; placement test; Supplies/Fees:Notebook

This Special Education course is a class designed for students with an I.E.P. in the area of math. Students will be working on their individualized math goal(s) while exploring pre-algebraic concepts. The students will continue to practice their basic 4 computation skills, improve their problem solving skills, work with fractions, exponents, and percent work. Students will also address pre-algebra skills such as: integer computation, linear equations, slope, graphing, order of operations, and statistics/probability. Students will continue in the: Pre-Algebra until all concepts are mastered.

Algebra A & B

SUP805 & SUP806 STEM / Math 1.0 credit Grade:10,11
Prerequisite: IEP, passed Pre-Algebra, and/or passed pre-algebra final exam as placement indicator
Supplies/Fees:Notebook

This Special Education course is a class designed for students with an I.E.P. in the area of math. Students will be working on their individualized math goal(s) while exploring algebraic concepts. The students will continue to practice their basic 4 computation skills, improve their problem solving skills, work with fractions, exponents, geometry, and percent work. Students will also address algebra skills such as: integer computation, linear equations, inequalities, slope, graphing, order of operations, radicals, Pythagorean Theorem, functions, quadratic equations, statistics/probability, systems of equations, and polynomials. Students will continue in Algebra until all concepts are mastered.

Co-Taught Algebra 1 A (year long course) and B (year long course)

MTH164/MTH165/MTH166/MTH167 CADR/NCAA Approved 1.0 credit Grade Level 9,10
Prerequisite: None Teacher Recommendation Required Supplies/Fees: Scientific Calculator

An intervention Algebra class designed to help students struggling to find success in previous math classes. Co-Taught Algebra 1 is the first course of the high school mathematics sequence. This first-year course is a Washington State graduation requirement. This class follows the same scope as the Algebra 1 A&B class but does so over a two-year period. Students will receive an elective credit for year 1 and an algebra credit for year 2. Topics studied include: data and statistics, equations and inequalities, linear equations, functions, systems of equations, systems of inequalities, exponents, factoring, and quadratics.

Personal Finance A & B

SUP811 & SUP812 Math 1.0 credit Grade:12
Prerequisite:IEP Supplies/Fees:None

This Special Education course is a class designed for students with an I.E.P. in the area of math. Personal Finance is a year-long class that satisfies a high school math credit. Students will be working on their individualized math goal(s) while exploring Personal Finance concepts. The students will continue to practice their basic 4 computation skills, improve their problem solving skills, and work with fractions. Students will also work with the following topics: Money Management, Borrowing, Earning Power, Investing, Financial Services, and Insurance concepts.

Success Habits Fall & Spring

SUP705 & SUP706

Elective

1.0 credit

Grade:9,10,11,12

Prerequisite: Behavior and/or Social emotional goal(s)/or plan/Approval/Team Decision

Supplies/Fees:None

This Special Education course is a class designed for students with an IEP in the area of Behavior, and/or a Functional Behavior Assessment/Behavior Intervention Plan. This course includes a variety of activities focusing on self-management skills (such as conflict resolution, self-monitoring, etc.) and executive functioning skills (such as organization, memory, etc.)

Post High School Adult Services (VISIONS) Individual placement based on eligibility - Ages 18-21

Prerequisite: IEP, team recommendation, accepted application

Supplies/Fees:Varies with community activity

The IEP Post High School adult services is a multi-tiered program for some students, 18-21 years of age, with unique needs who have completed a four-year high school program and earned a Certificate of Attendance. Eligible students may participate in a post-high school program until June of their 21st year. VISIONS focuses on student's post-secondary goals of: Education & Training, Employment, Independent Living. The admissions process includes a referral by the IEP team, and completing the Adult Program Application

General Information

GRADING SYSTEM

A = 4.0 A- = 3.7 B+ = 3.3 B = 3.0 B- = 2.7
C+ = 2.3 C = 2.0 C- = 1.7 D+ = 1.3 D = 1.0 F = 0.0

P=Pass, S=Satisfactory, U=Unsatisfactory, W=Withdrawal & I=Incomplete (these do not affect GPA)

Class Grades

Please review individual teacher syllabi for class grading standards.

Honor Roll

Honor Roll Criteria: Honor Roll is open to all students attending W. F. West High School who are enrolled in and have completed seven or more classes during the semester. Selection is based upon the grade point average achieved by the student during the current semester. This grade point average must be equal to at least a 3.25.

Health Examination

A health examination is required of all students participating in interscholastic sports every 13 months.

P. E. Waiver / Directed Athletic Request Form

Students wishing to complete graduation requirements using a P. E. waiver must see the Counseling Center for instructions. Specific restrictions and new parameters apply. Students will request a Directed Athletic Request form from the Counseling Center and follow the process for submission.

- Waivers are available for completing a full season of a sport (any team) during their sophomore, junior and/or senior year. Maximum 1.0 credits waived for sport participation.
- Medical/Health waivers require physician approval and be reviewed by the W.F. West administration.

Registration and Scheduling

This curriculum guide is designed to inform you about the educational opportunities found at W. F. West High School. Careful reading of the general information and specific course offerings should help you plan for your high school experience and future effectively. Please check course prerequisites before choosing a class. Counselors, Advisors, and Teachers are available to answer specific questions and provide support with your academic planning.

We hope this guide answers your questions as you decide what courses to take next year.

- The courses in the guide will only be offered next year if enough students register to fill the class.
- Students will be committed to their schedule they sign up for during spring registration.
- If you cannot find the answers that you need to register, contact your school counselor for help.
- Course planning should be based upon your graduation and post-high school plans (HSBP).

New or Transfer Students

New students to W. F. West High School should try, if at all possible, to enter school at the beginning of a semester. This makes the transition easier for the student and the school. These the procedures and responsibilities for each new student:

- Contact the Counseling Center to fill out online registration material and provide proof of residence in the Chehalis School District or have an approved District Release form on file. <https://chehalisschools.org/enroll/>
- Provide us with an up-to-date transcript of classes, immunization record, and withdrawal grades in a sealed envelope from the school most recently attended. If this is not possible, we must at least have the immunization record and withdrawal grades, so we will be able to match your previous classes with ours.
- If a transcript is not immediately available, we must have a transcript release form signed by parents or guardian and returned to us so we can request school records as soon as possible. This is a new student's responsibility. A counselor will work with new students and assign them to classes. A tour of the building and facilities will be provided.

Credit for High School Level Classes Taken in Middle School

Starting with students in the Class of 2024: House Bill 1599 requires that unless a student and the student's family requests otherwise, any high school course completed in middle school shall be given high school credit, added to the high school transcript (including the grade earned), and applied to fulfilling high school graduation requirements.

Credit for Coursework Not Taken At W. F. West

Any student transferring to W. F. West from another accredited high school will have his/her transcript evaluated with credit given for those courses which were part of the official/adopted curriculum of the former school. Credits earned from a college or alternative school will be accepted when approved by the Counseling Center prior to enrollment. College-level classes from the college have different credit values. See a high school counselor for credit value. College classes and summer high school classes will be granted credit and will be computed in the student's G.P.A. Special courses or programs that offer grades and credits, which are taken outside of the W. F. West Curriculum, may be attached to a student's transcript, but credits and grades may or may not be computed into the official W. F. West transcript. In order to receive credit for a high school level homeschool course, a transcript must be provided and approved by each department. Departments may require to see the curriculum and work done for each class prior to awarding credit.

Class Withdrawal

Withdrawal from individual classes will have no grade penalty until the 16th day after the start of each semester. Any withdrawal after the 15th day will result in an "F" withdrawal grade unless other arrangements have been made.

Repeating Classes

Students may repeat a course with the permission of the department involved. Some departments allow students to repeat a class for credit such as lifetime fitness, welding, or band; in this case, credit would be given for each class. In other cases, repeats/retakes of courses may be allowed in order to improve a grade and count it as credit but the student must sit through the identical course they wish to replace. The course with the higher grade will be the one figured into GPA, but both classes and their grades will remain on the transcript.

Credit Recovery/APEX

Chehalis School District wants to encourage students to pass the courses they are enrolled in to earn credit. In situations where this does not occur, W. F. West students are eligible to make up courses they have taken in person and failed using the APEX Credit Recovery Program and earn .50 credit for each half-year (semester) class they complete, or 1.0 credit for each full-year class they complete. Students can earn a limited number of APEX credits while still remaining eligible to graduate and earn a diploma from W. F. West high school. Parents are encouraged to contact the school directly to determine graduation requirements as they plan their student's high school course of study and can email Cheryl Evans (cevans@chehalisschools.org) to be updated on their student's progress in APEX.

W. F. West APEX Guidelines:

1. In order to qualify to take an APEX course, a student must have received a final grade of F, W, INC or U in their traditional high school class. The APEX retrieval class must be of equal content to the failed class except in the case of electives, which can be retrieved in any elective APEX class. Students may take 1 APEX course at a time.
2. APEX is not offered to students as a substitute for the original class with the exception of Running Start, New Market Skills Center, transfer students, and new upperclassmen who need specific courses for graduation.
3. Administrators may place students with discipline, attendance, and/or academic issues in an APEX course as replacement for their original course.
4. APEX assessments must be taken at W. F. West High School under the supervision of a proctor.
5. In order to pass the APEX class, students are expected to progress at least 10% weekly in their enrolled APEX course; students who are enrolled in before/after school APEX must progress at least 5% weekly in order to pass the class. Students who do not meet minimum progress requirements may be removed from the class.
6. Students who do not make adequate progress during their APEX class period will be enrolled in after hours APEX for the following semester; they will no longer be eligible to take APEX during the school day.

7. Students in 12th grade must complete their APEX courses one month prior to graduation.
8. APEX courses will be clearly marked on student transcripts as online credit recovery, and students will earn a "P" (pass) for completed APEX courses.
9. Cheating on an APEX course will result in the student's removal from the W. F. West APEX program and courses will have to be made up in person.
10. Cell phone use will not be allowed in class; phones must be in backpacks at all times.
11. Students cannot take more than 6 APEX credit retrieval classes (3 credits) when earning a WF West diploma. Students needing more credits can request to be transferred to Turning Point for graduation, or will enter a graduation contract overseen by WFW administrators. Students needing to recover more than 6 courses (3 credits) will work with their administrator and family to create a plan for how excess credits will be recovered outside of APEX. If the contract is not upheld, students can choose between making up needed credits in person at WF West during a 5th year, transferring to Turning Point, or independently enrolling in a different high school completion program.

Withdrawal/Transfer From School

If a student finds it necessary to withdraw or transfer from school at any time during the year, the following procedure should be observed:

- The student withdrawing must have permission from his/her parents or guardians.
- Obtain a withdrawal form from the Counseling Center.
- Have each teacher, the Librarian, Athletic Office, Attendance Office and Main Office check the student out indicating any fine(s) and/or other obligations the student needs to satisfy.
- Pay fees/fines in the ASB office, pick up a copy of health records in the Main Office, and return completed form to the Counseling Center.

State Graduation Requirements

All W. F. West students are encouraged to prepare to meet or exceed minimum entrance requirements for a four year college, so that they have a full range of post-high school college and career options. Students planning to attend top universities in our state and nation should begin early to research entrance requirements for coursework and testing.

State Graduation Requirements:

Our state graduation requirements are designed to ensure students have a solid foundation of reading, writing, math and science skills, no matter what path they choose after high school.

Go to The Washington State Board of Education / Graduation Requirements page for more information

[Washington Graduation Requirements](#)

Washington State History:

Must be passed at the middle school. It is a state requirement which must be met. If it is not met at middle school or the student is in transition from one state to another, the student must complete Northwest History and Government during their senior year, for one semester credit.

High School and Beyond Plan:

The State requires a High School and Beyond Plan for graduation. W. F. West students will design and document their post high school plan with the support of parents, advisors, and school counselors. This plan is due at the end of each school year for all students.

Graduation Policy

The following conditions must be met in order to participate in commencement exercises:

- The student must meet all W. F. West graduation requirements.
- Students deficient in credits at the beginning of the senior year need to complete all off-campus courses or online credit recovery for those deficiencies prior to graduation.
- Students who become deficient in credits at the end of fall semester (or winter quarter at Centralia College) need to provide written confirmation of the following: Enrollment in all courses necessary for graduation; Evidence that the student is capable of receiving a passing grade in all classes necessary to meet graduation requirements.
- Students not eligible to participate in commencement because they have not met the above conditions will be notified, as will their parent/guardian.

Diploma Policy

In order to receive a diploma students must:

- Successfully complete all coursework.
- Clear up all fines, fees, and other obligations. Students enrolled at Centralia College spring quarter or other off-campus coursework will not receive diplomas until an official transcript or grade report is received in the Counseling Center at W. F. West.

Senior Week Policy

In order to participate in senior week activities, a student must be graduating with their class or meet the following requirements:

- One month prior to senior week, the student must share a plan with administration specifying how all graduation requirements for W. F. West High School will be met.
- All coursework must be completed at an accredited college or W. F. West High School.
- The student must be able to complete all coursework during summer school immediately following graduation.
- If these conditions cannot be met, the student will participate in the senior week activities with the class in the year they graduate.

Foreign Exchange Student Policy

[Foreign exchange student policy](#) is required for students to be accepted as Foreign Exchange Students at WF West. We welcome them to participate in the many activities and experiences our school has to offer; foreign exchange students who are registered as juniors, however, are invited to participate in Senior Week Activities but do not qualify to receive a diploma or participate in graduation. Instead, they are eligible to receive a Certificate of Attendance which will be given out at the Senior Awards Assembly.

W. F. West Graduation Requirements

Culminating Project

Students will complete an integrated learning project in Senior English or the Running Start program. This project will create a connection between high school and post-high school options. Seniors will present their project to teachers and community members. Project requirements are available on the W. F. West webpage.

Community Service:

Minimum of 24 hours must be completed with a non-profit organization or without monetary compensation, performed outside of school hours, and documented using WF West's Community Service form.

Service to School:

Minimum of 3 points in 2 different areas per year – see list below:

- Athletic participation (1 pt. per season)
- Curricular club and/or team participation/1 year commitment (1 pt.). (Examples: Robotics, Knowledge Bowl, Equestrian Team, Rifle Team, Forensics)
- Discipline free for a school year - No infraction listed on Skyward (1 pt.)
- Great attendance for a school year - No unexcused/5 or less excused (1 pt.)
- Marching Band and Pep Band (1 pt. per season)
- Participation in a Theater production (1 pt. per production)
- Participation in an elite musical group (1 pt. per year) (Examples: Jazz Band, Westsingers)
- Placing at a musical competition (1 pt.)
- Presenting for Advanced Molecular Genetics, Advanced Physics or participating in STEM Academy (1 pt.)
- School Community Service: (1 pt. for every 2 hours of service). Service must be done at or for the school outside of school hours. Hours must be unpaid. Examples of service would be (but not limited to) an unpaid activity worker for a sporting event (the adult in charge will sign off on work).
- Non-curricular Clubs/Activities (1pt. per year). (Examples: National Honor Society, ASB Student Government, Class Officer, Skills USA, Leadership Class, Key Club, FFA, Latino Club, Clubs:Curricular/Non-curricular clubs may vary.)

<p>The Mathematics Requirements include a sequence through Algebra 2.</p> <p>The W. F. West diploma requirement is 48 classes. A one semester course is worth .5 credit. A year-long course of two semesters is worth 1.0 credit.</p> <p>The W. F. West Honors Program has specific subject area requirements. The current Honors Program standard is published in this curriculum guide.</p> <p>Graduation requirements include fulfilling testing/pathways, culminating project, service to school, community service requirements, and High School & Beyond Plans.</p>	Academic Area	Semesters	Credits
	English/Language Arts	8	4.0
	Mathematics	6	3.0
	Science	6	3.0
	Social Studies	6	3.0
	Career and Technical Education	2	1.0
	Health	1	0.5
	Lifetime Fitness	3	1.5
	Fine Arts	4	2.0
	World Language	4	2.0
	Electives	8	4.0
	TOTAL:	48	24

W. F. West Planning Guide for Meeting Graduation Requirements

Courses should be selected from designated programs using descriptions from the corresponding pages of the curriculum guide or by counselor or teacher recommendation. Honors Programs students should follow published program requirements.

Electives:

Electives required for graduation include 1.0 credits of Career and Technical Education which may be taken any time during high school; 2.0 credits in Fine Arts taken any time during high school; and 1.5 Lifetime Fitness credits taken any time during high school. Students may include other elective options after planning for required electives in their four year plan.

World Language:

Is rigorous and may be delayed to start in grade 10 after the freshman has established successful high school academic skills and performance. Two years of a consecutive world language or personalized pathway are required.

	9th Grade	10th Grade	11th Grade	12th Grade
1st Semester	English	English	English	Senior English
2nd Semester	English	English	English	English Option
1st Semester	Health or Elective	Social Studies	Social Studies	Social Studies
2nd Semester	Elective or Health	Social Studies	Social Studies	Social Studies
1st Semester	Math	Math	Math	Math
2nd Semester	Math	Math	Math	Math
1st Semester	Science	Science	Science	Elective
2nd Semester	Science	Science	Science	Elective
1st Semester	Elective/World Language	Elective/World Language	Elective/World Language	Elective/World Language
2nd Semester	Elective/World Language	Elective/World Language	Elective/World Language	Elective/World Language

W. F. West 4-Year Plan Worksheets

Link to the: [4-Year Plan Worksheet & Quick Guide to Class Options](#)

[Registration Worksheet 9th Grade](#)

[Registration Worksheet 10th Grade](#)

[Registration Worksheet 11th Grade](#)

[Registration Worksheet 12th Grade](#)

W. F. West High School Honors Program

Top Ten Scholar

The Top Ten Scholar Award is W. F. West High School's most prestigious recognition for academic scholarship. To qualify for the Top Ten Scholar Award, students must:

- Meet qualifications for entrance into a four year college or university, the standard for W. F. West graduates published in the W. F. West Curriculum Guide.
- Meet qualifications for **one** Academic Honors Scholar Awards or be a Running Start college student. (*Beginning with the Class of 2027, two Academic Honors Scholar Awards will be required for Top Ten*)
- Have a GPA in the top ten for this group of scholars. This GPA is determined by the official transcript at the end of W. F. West fall semester or the community college winter quarter of the graduating year.
- Beginning with the Class of 2027, students can take no more than 2 non graded courses (1.0 credit) over their time at W. F. West. These classes include but are not limited to:
 - o TA/Peer Tutor
 - o Elementary Assistant
 - o Office Aide/Counseling Center Aide

Top Ten Scholar Award recipients receive:

- A W. F. West High School Scholar Medallion to wear at graduation.
- Special recognition at the scholarship and awards night, assemblies, and during the commencement ceremony.

Honors Scholar Award

The Honors Scholar Award is W. F. West High School's esteemed recognition for completion of rigorous college preparatory academic study. Our Honors program is designed to provide highly motivated students the opportunity to achieve their highest intellectual and creative potential. Academic and Community Honor Scholar Awards are offered for five pathways:

Academic Honors:

- STEM
- English
- Humanities (Social Studies & World Language)
- Performing Arts

Community Honors:

- Community Service

Students may earn Honors in more than one pathway

Students are advised to prepare for their honors scholar pathway(s) with their CCR Block advisor, school counselor, parents/guardians, and teachers in the desired area(s) of focus. During their senior year, students will submit a completed Honors Scholar Verification Form(s) to the department leader of the academic program where they are earning honors for a signature. Completed forms are due to the counseling center no later than Spring Break of a student's senior year, and spring course completion will be verified by the counseling center.

Honors Scholar Award recipients receive:

- A medal of recognition at the Senior Award Assembly.
- The opportunity to wear a Gold Honors Stole at graduation with an emblem representing their area of Honors.
- Special recognition during the commencement ceremony.

Academic Requirements *not required to qualify for Honors in Community Service

- Meet qualifications for entrance into a four year college or university. Course completion grades of B or above in Honors Program pathway(s).
- Must be enrolled as a full-time student on the W. F. West High School campus in the earned Honors Pathway.

W. F. West High School Career and Technical Education Certificates of Proficiency Program



Career and Technical Education (CTE) Certificates of Proficiency are W. F. West High School's most prestigious recognition for career readiness. To qualify for a certificate of proficiency, students must:

- Complete the designated number of CTE courses from the Core Area related to the certificate type.
- Complete the designated number of courses from the CTE Options related to the certificate type.
 - Agriculture Technology
 - Automotive Technology
 - Applied Botany and Horticulture
 - Family and Consumer Science
 - Commercial Art
 - Metals Technology
 - Welding Technology
 - Sports Medicine

- Have a GPA of 3.0 or higher in CTE Certificate pathway and a 2.3 GPA in all high school classes.
- Must be enrolled as a full-time student on the W. F. West High School campus.

CTE Certificates of Proficiency recipients receive:

- A W. F. West High School CTE Certificate of Proficiency at graduation. Certificates of Proficiency are notable additions for resumes and job applications.
- An emblem representing the proficiency to wear at graduation.

Career and Technical Education Certificates of Proficiency Award

The Career and Technical Education (CTE) Certificates of Proficiency are W. F. West High School's esteemed recognition for completion of rigorous college and career preparatory study throughout high school. Our CTE Certificates of Proficiency program is designed to provide highly motivated students the opportunity to achieve their highest intellectual and creative potential. Students may earn CTE Certificates of Proficiency in more than one pathway.

Students are advised to prepare for their CTE Certificate(s) of Proficiency pathway(s) with their school counselor, parents/guardians, and a mentor teacher in the desired area(s) of focus. Students submit the CTE Certificate(s) of Proficiency Form(s) to their teacher. Teachers will share the verification form with the Counseling Center to ensure recognition at graduation. Final course completion will be verified by the counseling center in June.

You can download the [CTE forms](#) here or pick up a hard copy in the Counseling Center.

College in the High School

Earn College Credit with....

College in the High School



Courses Available

What is College in the High School (CiHS)?

CiHS is a dual credit program in which college courses are offered on the high school campus so students can earn high school and college credit at the same time. This program is offered through our partnership with Eastern Washington University, Central Washington University and Centralia College.

How much credit can you earn?

Students can earn 5 college credits per class at W.F. West (1 credit for P.E. courses). A total of 87 credits could be earned by taking all offered classes.

What does it cost?

There is no cost to the student. The cost of tuition for college credit earned is paid for by the State of Washington.

Other Benefits:

- Accelerate academic studies by earning college credit while attending high school without sacrificing your high school experience
- Experience college-level work in a familiar environment
- Courses offered are those most often required in freshman coursework for Washington's community colleges and universities
- Completing rigorous high school coursework and earning college credit can make university applications stronger

See the WFW Curriculum Guide for more information.

ENGLISH

ENGL 101: College Composition:
Exposition & Argumentation

ENGL 201: College Composition:
Analysis, Research & Documentation
Introduction to Literature
Public Speaking

LIFETIME FITNESS

Weights Training
Aerobic Walking

MATH

Functions and Reasoning
Math in Society
Pre-Calculus I
Pre-Calculus II
Calculus I
Personal Finance

SCIENCE

Introduction to Geology
Human Anatomy & Physiology

WORLD LANGUAGE

French 121
French 122
French 123

CTE

Introduction to Education
Medical Terminology