



# **CHELAN HIGH SCHOOL**

**2026 - 2027**

**Course Description Catalog**



## **NONDISCRIMINATION FOR SCHOOL PUBLICATIONS**

Lake Chelan 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. The following employee(s) has been designated to handle questions and complaints of alleged discrimination:

**Title IX / Civil Rights Compliance Coordinator: Jenann Ross**  
Human Resources, (509) 682-3515 or [rossj@chelanschools.org](mailto:rossj@chelanschools.org)

**Section 504 / Special Education / ADA Coordinator: Kirk Marshlain**  
(509) 682-7744 or [marshlaink@chelanschools.org](mailto:marshlaink@chelanschools.org)

Lake Chelan School District, PO Box 369, Chelan, WA 98816

## **CHELAN HIGH COURSE DESCRIPTIONS 2026/27**

This program of studies is designed to inform you about Chelan High School. The careful reading of course descriptions and programs will ensure that you choose the proper educational program to achieve your goals. Learning opportunities are available in five major areas. These areas are part of the Chelan High School's School to Work Program.

The school has provided qualified instructors in every area. It is essential that you make your choices only after thoughtful review. If you have questions or suggestions, please make them known. We are excited about the potential you have as a Chelan High School student.



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## COUNSELING OFFICE & CAREER CENTER

Chelan High School provides educational experiences which assist students in preparing for employment or further education after high school graduation. One of our goals is to assist every student in maximizing their potential.

The counselor provides various student services. The counselor is trained to help you deal with academic, vocational, and social concerns. The overall aim of the counselor is to help you deal more effectively with your life. If we are unable to provide you with direct assistance at school, perhaps we can provide you with an appropriate referral. Information given to counselors is confidential unless there is a concern for the safety of self, other persons, or property.

The following are some of the services provided by the counselor:

- Educational/Academic concerns
- Social concerns
- Personal concerns/crisis intervention
- Family Concerns
- Referral to community agencies
- High School Graduation requirements and programs of study.
- Vocational information.
- Testing, test results and interpretations
- Scheduling and schedule problems

## CAREER CENTER

1. Colleges, Technical and Vocational Schools
  - A. On-line access
  - B. Applications - dates and procedures
2. Financial Aid and Scholarships
  - A. **FAFSA** (Free Application for Federal Student Aid) and/or **WAFSA** (Washington Application for State Aid) information
  - B. Financial Aid Forms - dates and information
  - C. Scholarship information - dates and procedures

## **PREPARING FOR COLLEGE**

Follow this checklist to ensure a smooth and timely transition to college. College entrance is becoming much more selective. If you have questions, see the counselor.

### **If you are planning for the 10<sup>th</sup> grade:**

- ✓ Evaluate what you've accomplished in meeting the general and specific recommendations for college during the 9<sup>th</sup> grade and what you can do in your program for the next three years.
- ✓ Continue to look at your personal interests, abilities, and values and see how they match up with various career and educational possibilities.
- ✓ How are you progressing in developing your reading, writing, math, computer, studying and research skills? Make sure you select classes that help you progress in all of these skills.
- ✓ Continue to investigate career areas that interest you and learn which educational requirements prepare you for those careers. See the Counselor or Career Center Specialist!

### **If you are planning for the 11<sup>th</sup> grade:**

- ✓ Time is getting short, but you have at least two more years in which to give yourself a good start. See what course work you can take in the next two years that will improve your readiness for college.
- ✓ Take the PSAT in the fall of your junior year.
- ✓ Begin visiting online web sites to colleges and universities for more detailed and specific information. From the information you gather, try to develop a general idea of the kind of college or university you'd like to attend.
- ✓ Begin to visit the colleges and universities in which you have an interest. To make arrangements, contact the Director of Admissions at the college or contact the counselor.
- ✓ Take the SAT or ACT, having had or be taking Alg. II. (Usually in the spring of 11<sup>th</sup> grade).

### **If you are planning for the 12<sup>th</sup> grade:**

- ✓ With only one year of high school left, time for an adequate preparation for college is running out. But you can work on developing skills to help out that first year in college. Concentrate especially on improving your writing, reading and math skills.
- ✓ If you haven't already done so, start narrowing your choice of colleges and universities; in the process, make sure you have the information you need to make an intelligent, informed decision.
- ✓ Take or retake the SAT or the ACT, in the fall of your senior year. See the Counselor for details.
- ✓ Visit colleges or universities in which you have the most interest. To make arrangements, contact the Director of Admissions at the college or university you want to visit; or, contact the counselor for assistance.
- ✓ Apply for admissions in November or December. Find out if the program and college or university in which you are interested provides for special and/or early application and act accordingly. **OBSERVE DEADLINES**
- ✓ Apply for financial aid. To give yourself the best chance of obtaining the aid for which you may be qualified; **be sure to apply in the right way at the right time.**
- ✓ Apply for scholarships that you may find available or through the Career Center. Also, check the Chelan High School website for a current list of scholarships located on the Career Center page.
- ✓ Students can apply for their Federal Student Aid Identification Number through the FAFSA website. Students must have an FSA-ID number before they can submit their FAFSA form electronically. To fill out the FAFSA, visit [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

## FREE COLLEGE COURSES AT CHS

*Sophomores, Juniors, and Seniors are eligible to take College in the High School courses funded by the Consolidate Equity and Sustainability (CES) state grant.*

Please take the time to think hard about taking advantage of the college credit courses we offer right here on campus at Chelan High School. Earning credit in these courses will not only give students a head start towards a college degree and save money on tuition costs, but doing so will also expose them to rigorous learning that will aid in a successful transition to post-secondary schooling.

**Please consider these college credit earning courses when registering for courses this spring:**

- ✓ **Pre-Calculus** (University of Washington)
- ✓ **Calculus I & II** (University of Washington)
- ✓ **Finite Mathematics 130** (Central Washington University)
- ✓ **World History 103** (Eastern Washington University)
- ✓ **History 111 & History 112: American History to & since 1877** (Eastern Washington University)
- ✓ **Sociology 101** (Central Washington University)
- ✓ **Chicano Culture 202 & 218** (Eastern Washington University)
- ✓ **Advanced Placement Psychology**
- ✓ **English 101** (Eastern Washington University)
- ✓ **Intro to Literature 170** (Eastern Washington University)
- ✓ **Public Speaking 201** (Eastern Washington University)
- ✓ **Environmental Science Ecosystems 201** (Central Washington University)
- ✓ **Environmental Studies & Society 202** (Central Washington University)
- ✓ **Biology 101** (Central Washington University)
- ✓ **Advanced Placement Physics**
- ✓ **Intro to Leadership 200** (Eastern Washington University)
- ✓ **Intro to Education 250** (Central Washington University)
- ✓ **Geology 101** (Central Washington University)
- ✓ **Advanced Placement Studio Art**
- ✓ **Accounting I & II** (Wenatchee Valley Community College tech prep credits)
- ✓ **Agricultural Mechanics I, II, III** (Wenatchee Valley Community College tech prep credits)
- ✓ **Plant Science** (Wenatchee Valley Community College tech prep credits)
- ✓ **Intro to Agriculture** (Wenatchee Valley Community College tech prep credits)
- ✓ **Small Engine Repair** (Wenatchee Valley Community College tech prep credits)
- ✓ **AP Computer Science**

## **COURSE RECOMMENDATIONS**

### **COLLEGE/UNIVERSITY:**

- 4 years of English (including College Prep English)
- 4 years of Mathematics (recommended, must at least take Algebra II)
- 4 years of Science (2 labs)
- 3 years of Social Studies
- 2 years of the same foreign language *Note: The University of Washington requires 3 years of the same foreign language or proof of competency through a written examination.*

### **TECHNICAL AND COMMUNITY COLLEGE:**

Students planning to enter Technical and Community College should carefully consider the following recommendations:

- 4 years of English
- Algebra, Geometry, and Applied Math; Consumer Economics and Business Math important to those entering electronics, construction, and related medical fields.
- Chemistry: Required for students entering nursing and related medical fields.
- Computer classes.
- Career & Technical Education Pathways: Medical Science, Industrial Technology, Agriculture, Business Education, Family & Consumer Science
- Accounting: Recommended for business, cosmetology, dental assistant, clerical, secretarial positions, and sales related fields.

## **COLLEGE BOUND ATHLETES**

**STUDENT ATHLETES** bound for **NCAA Division I** schools need to be aware of the following: You must complete core credits in any combination adding up to 9 in the following academic areas: Math, Science, and English. Cores taken must be taken in grades 9-12 only; hence Algebra I, and/or Washington State History taken in 8th grade do not count in core total.

Visit <https://web3.ncaa.org/ecwr3/> for more information on eligibility and how to register.

## **TESTING PROGRAM**

Testing is a critical part of the student's educational planning. Test results are beneficial to help you assess your interest, aptitudes, achievement, and abilities.

All tests that a Chelan High School student may take are listed below.

- Freshmen** PSAT 8/9 - Preliminary Scholastic Aptitude Test (Given at CHS)
- Sophomores** SBAC - Smarter Balanced Assessment Consortium. Both ELA & Math tests.  
PSAT - Preliminary Scholastic Aptitude Test (Univ/ bound students)
- Juniors** PSAT - Preliminary Scholastic Aptitude Test (Given at CHS)  
SAT – Scholastic Aptitude Test (Given at CHS)  
ACT – American College Test  
ASVAB – Armed Services Voc-Aptitude Battery  
WCAS – WA Comprehensive Assessment of Science
- Seniors** SAT - Scholastic Aptitude Test (Given at CHS)  
ACT - American College Test  
COMPASS- Math test for those interested in attending a Community College

## **TEST DESCRIPTIONS**

Armed Services Vocational Aptitude Battery (ASVAB) is an option provided to Juniors for identifying career aptitude strengths and weaknesses. A student does not need to be planning to join the military to take the ASVAB.

The Smarter Balanced Assessment Consortium test (SBAC) is an end-of-year test to measure student achievement and growth in English and Mathematics.

The Preliminary Scholastic Aptitude Test (PSAT, MNSQT) provides familiarization with the procedures involved in the SAT. It requires students to make accurate, critical, and valid interpretations of general academic areas. Its primary value is assessing the student's success in college (emphasis) in Math and English. Students considering college should take the test. The PSAT/NMSQT is part of the National Merit Scholarship Program and juniors may become eligible from the results of the test.

The Scholastic Aptitude Test (SAT) is required by most colleges and universities throughout the United States. Students planning on attending college outside of Washington may want to take the ACT (see the counselor) in addition to, or instead of the SAT. The SAT is especially important for students considering ROTC programs, military academies, and many scholarship programs. The American College Test (ACT) is very similar to the SAT and it may be taken instead of, or in addition to the SAT. The ACT is required by some colleges. (See the counselor).

Registration for the PSAT/NMSQT is done in the counseling office. The SAT and ACT must be submitted at least 5 weeks prior to the test date, or a late fee is added. These tests all have a fee. Students can register for the SAT at [www.collegeboard.com](http://www.collegeboard.com) or the ACT at [www.actstudent.org](http://www.actstudent.org). Paper based registration forms are available in the counseling office.

**Standards-Based Measurement of Proficiency (STAMP)** is a language proficiency assessment for bilingual or multilingual students that are a junior or senior. The test measures a student's ability to understand and communicate in a second language across various competencies (reading, writing, listening, and speaking). It is offered in a wide array of languages. By meeting specific score thresholds, students can earn high school competency credits and qualify for the Seal of Biliteracy on their high school diploma.

## **GENERAL INFORMATION**

### **CREDIT FOR LEARNING EXPERIENCES CONDUCTED AWAY FROM CHELAN HIGH SCHOOL:**

*There are additional options to earn CHS credits for those who find themselves deficient in credits.*

**\*\*The following must have advance approval of the Principal and Counselor:**

- A. **Correspondence Schools** (The school must be approved by the National University Extension Association and Chelan High School), PASS program and computer based on-line courses. (Student pays course fee)
- B. **Wenatchee Valley Tech. Skills Center Summer Program.**
- C. **Home School** (need documentation and transcript and/or pass CHS proficiency exam for credit.)
- D. **CHS summer school** (student pays)

**Permission for enrollment will be based upon the need to earn credits and/or make up credits that were lost due to class failures at Chelan High School or at previous high schools.**

### **OTHER OPTIONS FOR LEARNING OPPORTUNITES INCLUDE:**

**WENATCHEE VALLEY TECHNICAL SKILL CENTER**- Several technical programs are offered. Students must be a junior or senior and have transportation to and from the NCW Skills Center. Programs include Automotive Technology, Cosmetology, Computer Technology, Fire Science/Public Safety (seniors only), Collision Repair, Law Enforcement, Digital Video, and DigiPen Computer Science. Credits earned at the Skills Center fulfill either elective or vocational credit.

**RUNNING START** – Is a program for high school juniors and seniors in good academic standing which allows them to earn high school and junior college credit simultaneously. Running Start students receive free tuition for college classes. Books, transportation, and other fees are the responsibility of the student. To participate in Running Start, students must first contact Wenatchee Valley College in the spring to find out how to enroll in their program and get orientation meeting details.

## GRADE POINT AVERAGE (4.0 SCALE)

GPA = Sum of point values divided by the sum of attempted credits.

Point value is assigned as follows:

- 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
- U = 0

P, S, and NC are not used in GPA calculations.

## BASIC REQUIREMENTS

### CHELAN HIGH SCHOOL GRADUATION

Your grade level classification will be determined by the number of high school credits successfully earned by the start of each semester. Most classes count as one credit. Students with a full-time schedule will be eligible to earn 7.25 credits per year. It is very important to balance your schedule for optimum success. You can only fail two electives in four years and still graduate on time unless you make up credits. Quarter long block classes earn a .5 credit; semester long block classes earn a 1.0 credit. Semester long non-block classes earn a .5 credit; yearlong non-block classes earn a 1.0 credit. **Total credits needed to graduate are 26.0.**

The following are the number of credits needed to graduate:

#### Class of 2025 & beyond requirements\*\*

4.0	English (ESL students must complete at least through English II)
3.0	Social Studies
3.0	Mathematics*
2.0	World Languages (or CTE Pathways Option)
3.0	Science (2.0 cr. must be lab. Science)
2.0	P.E. (1.0 cr. must be Co-Ed)
1.0	Career & Technical Education (CTE)
2.0	Fine Arts (or CTE Pathways Option)
1.0	Advisory (.25 per year)
.5	Health
<b>21.5</b>	<b>Required</b>
<b>4.5</b>	<b>Electives</b>
<b>26.0</b>	<b>Total Credits</b>

\*Algebra 1 taken in middle school can fulfill 1.0 math requirement.

\*Geometry taken in middle school can fulfill 1.0 math requirement.

\*\*State Testing requirements vary by graduating class; see your guidance counselor for more information.

#### **WEIGHTED GRADE POINT AVERAGE**

Beginning with all grade levels in the 2020-2021 school year and moving forward, identification of class valedictorian and salutatorian will be determined using the student's weighted class rank at Chelan High School. Weighted GPA is a GPA scale that weights Advanced Placement and four-year college/university courses at an additional 1.0 when calculating cumulative GPA.

## RECOMMENDED CLASSES BY YEAR FOR GRADUATION

### Grade 9

Advisory I  
English I  
World Language  
Physical Science  
Math  
P.E.

Rotations:

- Intro to Agriculture
- Health
- Foods & Nutrition I
- Intro to Construction

### Grade 10

Advisory II  
English II  
Social Studies  
Biology  
Math  
P.E.  
World Language

### Grade 11

Advisory III  
English Choice  
U.S. History  
Science  
Math  
Fine Arts  
World Language

### Grade 12

Advisory IV  
English Choice  
CWP or Sociology  
CTE (Career & Technical Ed)\*  
Math  
Science

## AGRICULTURE EDUCATION



### AGRICULTURE MECHANICS I

.5 or 1 Credit (may be taken for either)

Course #: **AGM150**

Prerequisite: None

Grades 9-12

CTE/Elective

### **\*Optional College Credits: 3 WVC WELD128**

Students enrolled in Agriculture Mechanics I will receive instruction in industrial safety and hygiene, basic metal working skills, and design and utility skills. Students will develop skills in the following areas: arc welding, gas welding, plasma cutting, gas cutting, tool conditioning, plumbing, sheet metal, tap and die, rope work, and project design and fabrication. Leadership skill development will occur through preparation for FFA Career Development Events (CDE), Supervised Agriculture Experience (SAE), and community service. A lab fee may be charged to cover the cost of consumable materials. *Completing this course with a "B" average makes student eligible for 2 Tech Prep Credits from Wenatchee Valley College.*

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### AGRICULTURE MECHANICS II

1 Credit

Course #: **AGM250**

Prerequisite: Agriculture Mechanics I

Grades 10-12

CTE/Elective

### **\*Optional College Credits: 3 WVC WELD132**

Students enrolled in Agriculture Mechanics II will receive instruction in industrial safety and hygiene, advanced metal working skills, and design and fabrication. Students will further develop skills in the following areas: arc welding, gas welding, plasma cutting, gas cutting, tool conditioning, MIG welding, TIG welding on stainless steel, and forge work. Students will design and fabricate projects that incorporate skills learned. Leadership skill

development will occur through preparation for FFA Career Development Events (CDE), Supervised Agriculture Experience (SAE), and community service. A Lab fee may be charged to cover the cost of consumable materials. *Completing this course with a "B" average makes student eligible for 3 Tech Prep Credits from Wenatchee Valley College.*

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### **AGRICULTURE MECHANICS III**

1 Credit

Course #: **AGM350**

Prerequisite: Agriculture Mechanics II

Grades 11-12

CTE/Elective

#### **\*Optional College Credits: 3 WVC WELD132 (if not have already earned for Ag Mech II)**

Students enrolled in Agriculture Mechanics III will receive instruction in industrial safety and hygiene, TIG Welding on Aluminum, design and fabrication, and computer numerical controlled plasma cutting. Students will receive instruction to work towards WASBO Welding Certification. Students will design and fabricate projects that incorporate skills learned. Student's Leadership skill development will occur through preparation for FFA Career Development Events (CDE), Supervised Agriculture Experience (SAE), and community service. A lab fee may be charged to cover the cost of consumable materials.

### **SMALL ENGINE REPAIR**

1 Credit

Course #: **AGR425**

Prerequisite:

Grades 9-12

CTE/Elective

#### **\*Optional College Credits: 3 WVC AGRI105**

This course offers an intensive study of the operation, maintenance, and repair of small gasoline engines. Instructional topics include principles of operation of internal combustion engines, repair and service procedures, and disassembly, overhaul, and reassembly. Instruction may also include the operation of two-cycle and four-cycle engines commonly found on lawn mowers, garden tractors, snow blowers, rotary tillers, chainsaws, and other equipment. Additionally, this course incorporates classroom and laboratory activities to emphasize leadership through opportunities in FFA and supervised agricultural experiences (SAEs). *Completing this course with a "B" average makes student eligible for 3 Tech Prep Credits from Wenatchee Valley College.*

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### **INTRO TO AGRICULTURE**

.5 Credits

Course #: **AGM110**

Prerequisite: None

Grade 9

Freshman rotation/CTE

#### **\*Optional College Credits: 3 WVC**

This course is an Introduction to all Agriculture, Food, and Natural Resource Sciences. In this course you will learn how to solve problems, research, investigate, communicate solutions, take responsibility for learning, and experiment, all within agriculture. You will be expected to participate in labs and demonstrate lab safety. Being in this course enables you to be an FFA member and participate in all FFA activities. *Completing this course with a "B" average makes student eligible for 3 Tech Prep Credits from Wenatchee Valley College.*

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**ANIMAL SCIENCE**

1 Credit

Course #: **AGR400**

Prerequisite: None

Grades 10-12

Science/CTE/Elective/Lab Science

This course will provide students hands-on experiences regarding the care and management of animals. Topics will include animal health, reproduction, selection, marketing, nutrition, genetics, anatomy, and physiology. Students will work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock producers, and industry personnel, face in their respective careers.

**PLANT SCIENCE**

1 Credit

Course #: **AGR230**

Prerequisite: Biology (can take concurrently)

Grades 10-12

Science/CTE/Elective/Lab Science

**\*Optional College Credits: 5 WVC**

This course is constructed as a Life Science lab-based course, with access to a greenhouse. Students will have the opportunity to work hands-on with lab equipment, as well as manage the school plant sale. Topics include history, careers, soils, anatomy & physiology, reproduction, genetics, management, and marketing. This class does count as a Lab Science class needed towards your graduation requirement. *Completing this course with a "B" average makes student eligible for 5 Tech Prep Credits from Wenatchee Valley College.*

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**FLORAL DESIGN**

1 Credit

Course #: **AGR430**

Prerequisite: None

Grades 10-12

CTE/Art/Elective

Throughout the course students will be given the opportunity to explore the retail flower business. This includes both business and actual labor of preparing fresh and dried flower arrangements while running a successful school business. Students will study history and design components while they prepare arrangements for community and school activities. Students will design, prepare, and market seasonal arrangements. FFA activities will be incorporated into this class.

## **ADVANCED FLORAL DESIGN**

1 Credit

Course #: **AGR435**

Prerequisite: Floral Design

Grades 11-12

CTE/Art/Elective

The students in this course will advance their skills by planning the arrangements for the regular floral class. This includes designing, marketing, purchasing, and selling designs. The students in the advanced course will make regularly purchased designs for the Floral class business while they advance their design skills from their first Floral Design class. Being in this course enables you to be an FFA member and participate in all FFA activities.

## **FINE ARTS / MUSIC**



The music department offers students a variety of classes within the genre of instrumental and vocal music. These are performance-based classes and offer students the opportunity to rehearse and perform in both the large group and small group setting. These performing ensembles are not only a part of our school, but also an important part of our community. Students should expect a challenging musical experience and the opportunity to grow musically throughout their four years in these ensembles.

## **CONCERT BAND**

1 Credit

Course #: **MUS100**

Prerequisite: Student is required to have a basic knowledge of music and his/her major instrument.

Grades 9-12

Elective / Fine Arts

This year-long course is a wind ensemble that performs at concerts, festivals, competitions, community functions, and parades. Students will be expected to attend all in-school and out-of-school rehearsals and performances, selected professional concerts, and miscellaneous other musical activities. It is expected that members will practice outside of class 90 minutes a week and take responsibility for their own part within the ensemble. The ensemble will take trips to hear professional ensembles with a focus on musical excellence. This group will also perform as a pep band for football and basketball games.

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## **JAZZ ENSEMBLE**

1 Credit

Course #: **MUS120**

Prerequisite: Student is required to have a basic knowledge of music and his/her major instrument and be a member of the Concert Band

Grades 9-12

Elective / Fine Arts

**Meets: 0 period 7:25 am, 5 days a week**

This year-long course will allow students to prepare and perform a variety of works in the jazz idiom. Emphasis will be on correct stylistic interpretation and performance. Units on jazz theory and improvisation will also be included in this course. Students will perform at local concerts as well as festivals and contests outside the district. Students are expected to participate in all designated activities.

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**BEGINNING ART**

1 Credit

Course #: **ART100**

Prerequisite: None

Grade 9-10

Elective / Fine Arts

A basic art course designed as entry level art. The year will be spent on a variety of art skills centered on elements of art including line, color, value, texture, shape, form, and space. Regular attendance is part of the course requirements.

**ART 10-12**

1 Credit

Course #: **ART200/210**

Prerequisite: None

Grades 10-12

Elective / Fine Arts

Art 10/12 is designed for the student who has varied experience in the area of art. It can be a continuation of studies picked up in Beginning Art, or for the beginning student. It follows the same philosophy as Beginning Art focusing on the Elements and Principles of Design with more in-depth exploration for the advanced students. Regular attendance is part of the course requirement.

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**CERAMICS**

1 Credit

**\$30.00 fee for materials**

Course #: **ART300**

Prerequisite: None

Grades 10-12

Elective / Fine Arts

This is a class designed for all levels of pottery experience. Emphasis is on hand building, throwing, glazing, firing and aesthetic awareness. The student must problem solve, correct errors, and complete a list of projects from three different phases of the course. Regular attendance is part of the classroom requirements.

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**COMMERCIAL ART**

1 Credit

Course #: **ART405**

Prerequisite: Beginning Art, Art 10-12, Photography

Grades 10-12

Elective / Fine Arts

This course is a hands-on, creative Design course. Focus is on using Various materials to solve 2-Dimensional design problems. Demonstrating basic technical skills in Illustration, digital design, traditional as well as digital drawing, and painting techniques. Students will address history, culture, critical thinking, and social issues

through the arts. The course will deal with production skills, marketing, and entrepreneurship with a culminating showcase where students can sell their art. Portfolio quality work and technique development are emphasized that include projects designed to prepare students for advanced training. Students will explore career opportunities and compare/contrast their own abilities with those of designers in the field. Coursework is project based and designed to improve students' digital and technology skills. Written and verbal critiques will guide evaluations. Students will work to find their artistic voice as they develop the technical skills necessary to visually communicate their ideas in powerful and effective ways. Emphasis will be on interacting with our community through art in contests, field trips, and projects.

**FASHION DESIGN**

1 Credit

**Course# ART**

Prerequisite:  
Grades:9-12  
Elective

Have a passion for fashion? This course is a hands-on class that focuses on learning basic sewing skills, exploring fashion trends, and understanding the design process. The course includes constructing original garments, working with patterns and fabrics, and developing personal style through creative projects.

**BUSINESS & TECHNOLOGY**



**DIGITAL PHOTOGRAPHY & ADOBE PHOTOSHOP CS**

1 Credit

Course #: **BUS130**

Prerequisite: TEALS/Intro computer science  
Grades 10-12  
Elective/CTE

Would you like to learn how to take quality digital photographs with state-of-the-art digital cameras? Are you interested in using the computer in an artistic way? Then this class is for you! You will be taught the elements of digital photography and instructed in the basics of Photoshop Elements to create brilliant, polished, and professional layouts. At the end of this class, you will have the skills to work and play in the digital world.

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**ADV DIGITAL PHOTOGRAPHY & ADOBE PHOTOSHOP CS**

1 Credit

Course #: **BUS140/150**

Prerequisite: Digital Photography  
Grades 11-12  
Elective/CTE

Want to take your photography skills to the next level? This independent project class will allow students who successfully completed Photography I to challenge themselves with new and innovative projects. Must meet with Ms. Poland for prior approval before signing up for this class.

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**ACCOUNTING I**

1 Credit

Course #: **BUS200**

Prerequisite: None

Grades 10-12

Elective/CTE/3<sup>rd</sup> yr. Math Credit**\*Optional College Credits: 5 WVC**

Accounting---the language of business. Accounting serves people in business and in their personal lives. From CEO's to homemakers, they use accounting information as the basis for making business decisions. Accurate accounting records contribute to their success and help to avoid failure and bankruptcy. Everyone can make better business decisions and work more efficiently if they know the language of business---accounting!

**\*Note:** *This is a "Tech Prep" class. Students receiving a grade of an A or B have the opportunity to earn five college credits!*

**ACCOUNTING II**

1 Credit

Course #: **BUS230**

Prerequisite: A or B in Accounting I

Grades 11-12

Elective/CTE/3<sup>rd</sup> yr. Math Credit**\*Optional College Credits: 5 WVC**

A continuation of first year accounting with emphasis on accounting records for partnerships and corporations. This class is designed for students who are considering a career in accounting or a related business field.

Grading based on chapter tests and evaluation of assignments. Students will be working independently and will need to be highly motivated. **\*Note:** *This is a "Tech Prep" class. Students receiving a grade of an A or B have the opportunity to earn five college credits!*

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**MARKETING & ENTREPRENEURSHIP**

1 Credit

Course #: **BUS330**

Prerequisite: None

Grades 9-12

Elective/CTE

This course introduces students to entrepreneurship and dives into the fundamentals of starting your own business. Students will learn how to create a detailed business plan, which includes generating business ideas, reviewing the finances involved, and developing business concepts to meet profit goals. In addition, students will learn how to appeal to customers and draw them to their business. If you want to run a business in the future, this class is for you!

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**AP COMPUTER SCIENCE**

1 Credit

Course #: **ELT575**

Prerequisite:

Grades 10-12

Elective/Science

**\*Optional College Credits: 5 WVC**

This course is aligned with the University of Washington, CSE 142 and the AP Computer Science A standards. The course uses the textbook *Building Java Programs: A Back to Basics Approach*, by Stuart Reges and Marty Stepp. **\*Note:** *Students receiving a grade of an A or B have the opportunity to earn five college credits through Wenatchee Valley College!*

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**CAREER CONNECTIONS**Course #: **BUS400/410**

1 Credit

Prerequisite: None  
Grades 11-12  
Elective/CTE

This course provides students with career and workforce preparation in the classroom as well as through placement in community businesses. Students will learn first-hand about careers by observing professionals in the workplace and through entry level work while earning high school credit. Personal leadership development is the foundation for success in this course and entry level employment. This is a Career and Technical Education (CTE) course. All students are welcome.

**Students must provide their own transportation to the mentorship site.**

## LANGUAGE ARTS



**ENGLISH I**  
1 Credit

Course #: **ENG100**  
Prerequisite: English 8 or Basic English  
Grade 9  
Required

English I is an integrated course that focuses on developing a level of proficiency in the core language arts skills of writing, reading, and speaking. Review of basic grammar and paragraph writing is addressed as well as essay and literary analysis. Throughout the year, various stories, novels, plays, and poems are assigned for class reading. Texts may include Romeo and Juliet, Of Mice and Men and a variety of short stories. Outside reading throughout the year is designed to supplement class assigned readings and help students focus on reading comprehension as well as reading for pleasure. Vocabulary is practiced with writing and reading. Students who would like to earn an “Honors” designation on their transcript may do so by completing alternate assessments that are beyond regular English I requirements. This option is available to all English I students.

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**HONORS ENGLISH I**  
1 Credit

Course #: **ENG100**  
Prerequisite: English 8  
Grade 9

Students who would like to earn an “Honors” designation on their transcript may do so by completing alternate assessments and activities that are beyond regular English I requirements and maintain a grade of B or better. This option is available to all English I students.

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**ENGLISH II**

1 Credit

Course #: **ENG200**

Prerequisite: English I

Grade 10 Required

English II is a class that includes grammar review as needed. Students will write in a variety of modes for different purposes and audiences. Students will read and analyze books of their own choosing, as well as books read by the class.

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**HONORS ENGLISH II**

1 Credit

Course #: **ENG250**

Prerequisite: English I

Grade 10

This English class is designed for motivated students who wish to prepare themselves for college-level academics. It covers a variety of advanced topics and texts, both classic and modern. Students will learn about historical contexts of course texts and explore art and music from different periods. Students will also develop academic writing skills, public speaking skills and advanced vocabulary. Good study habits and strong reading skills are required.

**TECHNICAL WRITING – 21<sup>st</sup> CENTURY COMMUNICATION**

1 Credit

Course #: **ENG330**

Prerequisite: English I &amp; II

Grade 11 or 12

Students will develop their reading, writing, and speaking skills using a business English focus. Business Communications can provide skills for a wide range of career choices. The ability to communicate using reading, writing, listening, and technology is vital in almost every career.

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**ENGLISH COMPOSITION & LITERATURE**

1 Credit

Course #: **ENG340**

Prerequisite: English I &amp; II

Grade 11 or 12

This course focuses on the study of novels, essays, poetry, short stories, and plays, mixed with related nonfiction articles. The exploration of various themes will direct our study of literature and history. In addition, students will focus on the language arts skills of reading, writing, oral communication, and listening. This class will focus

around the traditional forms of academic writing. Reading selections favor contemporary writers of diverse backgrounds and styles as well as writers from American Literature. Research papers with MLA Citations are submitted throughout the semester.

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### **CREATIVE WRITING**

1 Credit

Course #: **ENG360**

Prerequisite: Completion of English II

Grade: 11 or 12

This Creative Writing course is designed for students who enjoy writing as a form of art and personal expression. In this course, students will explore the elements of numerous literary genres (short fiction, poetry, drama, film) and the power of both print and multimedia formats. To develop original writing pieces, students will engage in writing workshops, literary element development lessons, writing/author studies, and peer reviews/conferences. To show evidence of writing development throughout the course, students will be required to engage in writing community activities that require sharing one's work with each other and collaborating with other students.

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### **CREATIVE WRITING**

1 Credit

**College Credits: 5 EWU (CRWR210)**

Course #: **ENG370**

Prerequisite: English 101 OR English 170

Grade 11 or 12

**TUITION/FEE TBD (subject to increases by EWU)** CRWR 210 is a college-credit creative writing course. Students will explore short story, poetry, personal essay, and script writing. The course emphasizes the development of students' authentic voices. Students will also explore illustration and presentation through digital and hands-on tools.

### **PUBLIC SPEAKING**

1 Credit

**College Credits: 5 EWU (CMST201)**

Course #: **ENG310**

Prerequisite: English I & II

Grade 11 or 12

**TUITION/FEE TBD (subject to increases by EWU)** This course focuses on public speaking skills used in both academic and professional situations, as well as in special occasions. Students learn articulation, speech writing, audience analysis, and delivery skills. Students also explore interpersonal communication and creative applications of public speaking skills via a variety of projects. As a college class, it entails a high level of academic rigor. Consistent attendance is required.

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### **ENGLISH 101: COLLEGE COMPOSITION**

1 Credit

**College Credits: 5 EWU**

Course #: **ENG425**

Prerequisite: See Below\*\*

Grade 11 or 12

\*\*Students taking English 101 from EWU must meet one of the following prerequisites:

- SAT score of 450-590
- ACT score of 18-27
- Smarter Balanced score of 3 or 4
- Honors English II with a grade of B or better

- Junior year college-credit course\* with a grade of B or better (\*Intro to literature or Public Speaking)

**TUITION/FEE TBD (subject to increases by EWU)** Provides opportunities for students to develop and enhance their written communication skills. The course stresses the organization, development, and support of ideas and perspectives in exposition and argumentation as public discourse. It familiarizes students with library resources and application of the rules and conventions of Standard American English. Students may opt to earn 5 credits from Eastern Washington University. This is a prerequisite for Cornerstone English.

**In addition, EWU has a strict attendance policy for this class. Excellent attendance (outside of school activity absences) is required.**

**ENGLISH 170: INTRO TO LITERATURE**

1 Credit

**College Credits: 5 EWU**

Course #: **ENG600**

Prerequisite: Completion of English II w/Grade “C” or better

Grade: 11 or 12

**TUITION/FEE TBD (subject to increases by EWU)** English 170 is designed to review and enhance students’ understanding of the literary genres of fiction, poetry and drama. Through reading assignments, class discussion, tests and written work, students will hone their interpretive and analytical skills. At the end of the semester, students will be able to identify the fundamental elements and stylistic attributes of these three genres and also offer and consider a variety of interpretive perspectives. Plus, they’ll have read some really great texts.

**In addition, EWU has a strict attendance policy for this class. Excellent attendance (outside of school activity absences) is required.**

**FAMILY & CONSUMER SCIENCE**



**FOODS & NUTRITION I**

.5 Credit

Course #: **FCS100**

Prerequisites: None

Grade 9 rotation course

Required/CTE

This introductory course teaches students how to successfully prepare food and make healthy food choices. Students will learn basic culinary equipment and techniques. They will apply that information to several cooking labs throughout the 9 weeks. Students will cook breakfast, lunch and dinner entrée’s as well as appetizers and desserts. They will learn how to earn their Food Workers Permit for Washington State which is required for any employee in a food service establishment. The students will also learn about nutrition throughout the class and have an opportunity to evaluate their own food intake on the computer to see how healthy their eating habits are. The final project in the course is a Super Foods Power Point and class presentation that is completed with a partner.

**FOODS & NUTRITION II**

1 Credit

Course #: **FCS200/210**

Prerequisite: Foods &amp; Nutrition I

Grades 10-12

Elective /CTE

This course builds on the skills learned in Foods & Nutrition 1. It is also a course that you could take if you do not have any previous cooking experience. In this course students have an opportunity to cook several types of foods. You will learn about each of the following food groups: Grains, Vegetables, Fruits, Dairy, and Protein. Students will prepare Pizza's, Smoothies, Muffins, Cinnamon Rolls, Dinner Rolls, Chimichangas, Cheese Fondue, Fettuccine Alfredo, Taco Salad, Baked Alaska and much more! You will learn Cake Decorating Skills. You will also have an opportunity to prepare a "guest lab".

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**CULINARY ARTS**

1 Credit

Course #: **FCS300**

Prerequisite: Foods &amp; Nutrition II

Grades 10-12

Elective/CTE

This course provides students with the opportunity to use the skills that they have learned in Food & Nutrition II and apply them to a professional culinary setting. Students will be preparing and serving a variety of buffets such as appetizers, soup & breads, salad and rolls, entrées, and desserts. Guests will be invited to sample the student's culinary creations. Students will prepare international food from countries such as: France, Italy, Asia, Mexico, Greece, and Germany. This course is designed to teach students who are interested in learning advanced cooking skills and possibly going into a future job in the field.

**ADVANCED CULINARY ARTS**

1 credit

Course #: **FCS310**

Prerequisite: Culinary Arts

Grades 11-12

Elective/CTE

This course is designed for students who are interested in cooking independently and with a partner to create culinary masterpieces! You will take the skills you learned in Culinary Arts to the next level. The focus of this class will be preparing you to work in the Culinary industry as a summer employee or a full-time chef. You will learn some of the skills required at a Culinary School. A strong work-ethic will be required for this class.

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**SURVIVING ON YOUR OWN**

1 Credit

Course #: **MAT230**

Prerequisite: None

Grades 11-12

Elective/Math/CTE

Surviving on Your Own is a class that will teach you all the skills you need to be successful living on your own or with a roommate. The class is designed to give you experience in “real world” situations so you can do an awesome job with future employment interviews, completing tax forms, moving into an apartment, signing rental agreements, understanding credit cards and loans, buying insurance, investing your money and survival cooking! Students have felt that this class was very valuable and prepared them for their future!

## FOREIGN LANGUAGE



### **SPANISH I** 1 Credit

Course #: **FRL100/110**  
Prerequisite: None  
Grades 9-12  
Elective

Students will be introduced to the basics and grammar of the Spanish language. The students will learn basic formulas and patterns that help them to learn the language together and independently. Various vocabulary and themes are taught...as well as cultural aspects from Spain and Mexico. Active participation is required in second language acquisition, so the student will incorporate listening, speaking, reading, writing, questioning, spelling, along with various other methods to help them gain a firm foundation of the Spanish language.

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### **SPANISH II** 1 Credit

Course #: **FRL200/210**  
Prerequisite: Must have passed Spanish I

Grades 10-12  
Elective

The Spanish II student will continue to use vocabulary from Spanish I. He/she will do more speaking and writing and will be required to actively participate in all forms and learning styles of language acquisition. The student will continue to actively work on building his/her vocabulary which includes all parts of speech. He/she will also learn more advanced tenses.

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**SPANISH III & IV**  
1 Credit each

Course #: **FRL320**  
Prerequisite: Must have passed Spanish I & II  
Grades 10-12  
Elective

Spanish III and IV are available through the CHS online program.

## ENGINEERING AND DESIGN



The Core Plus Construction Program sequence will prepare students to take the next steps for a career in the construction industry. Instruction in safety, professionalism, and the construction process, as well as tools, equipment, print reading, materials selection, project planning and management as well as estimating and bidding will also be covered through project-based learning supported by industry-backed instructional resources.

**INTRO TO CONSTRUCTION**  
1 Credit

Course #: **ITM100**  
Prerequisite: None  
Grades 9  
CTE/Freshman Rotation

The Intro to Construction class will be an exploratory class to expose students to a variety of career options in the construction industry. Instruction in safety, professionalism, and the construction process, as well as tools, equipment, print reading, materials selection, project planning and management will be covered through project-based learning supported by industry-backed instructional resources.

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**CONSTRUCTION FOUNDATIONS**

1 Credit

Course #: **ITM300/310**

Prerequisite: Intro to Construction

Grades 10-12

CTE/Elective

Prepares students to apply technical knowledge, skills and abilities working as a team member to complete projects. Instruction will include development of a work plan, print reading, construction measurement and lay out, construction processes, tools and equipment, lean practices, and safety.

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**CONSTRUCTION**

1 Credit

Course #: **ITM320/330**

Prerequisite: Construction Foundations

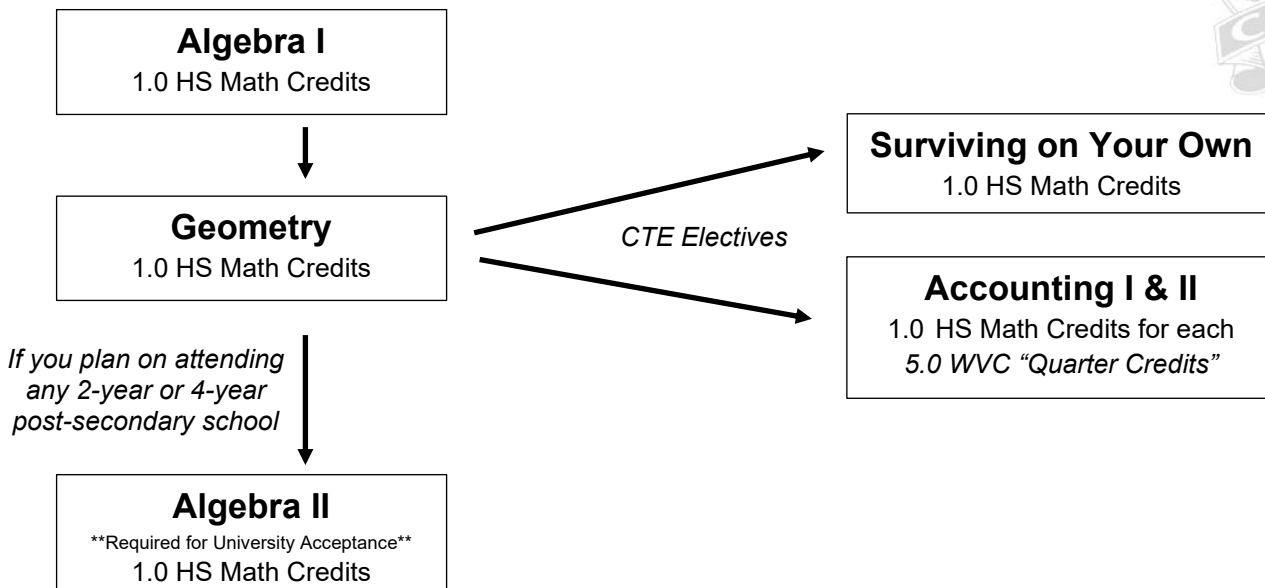
Grades 10-12

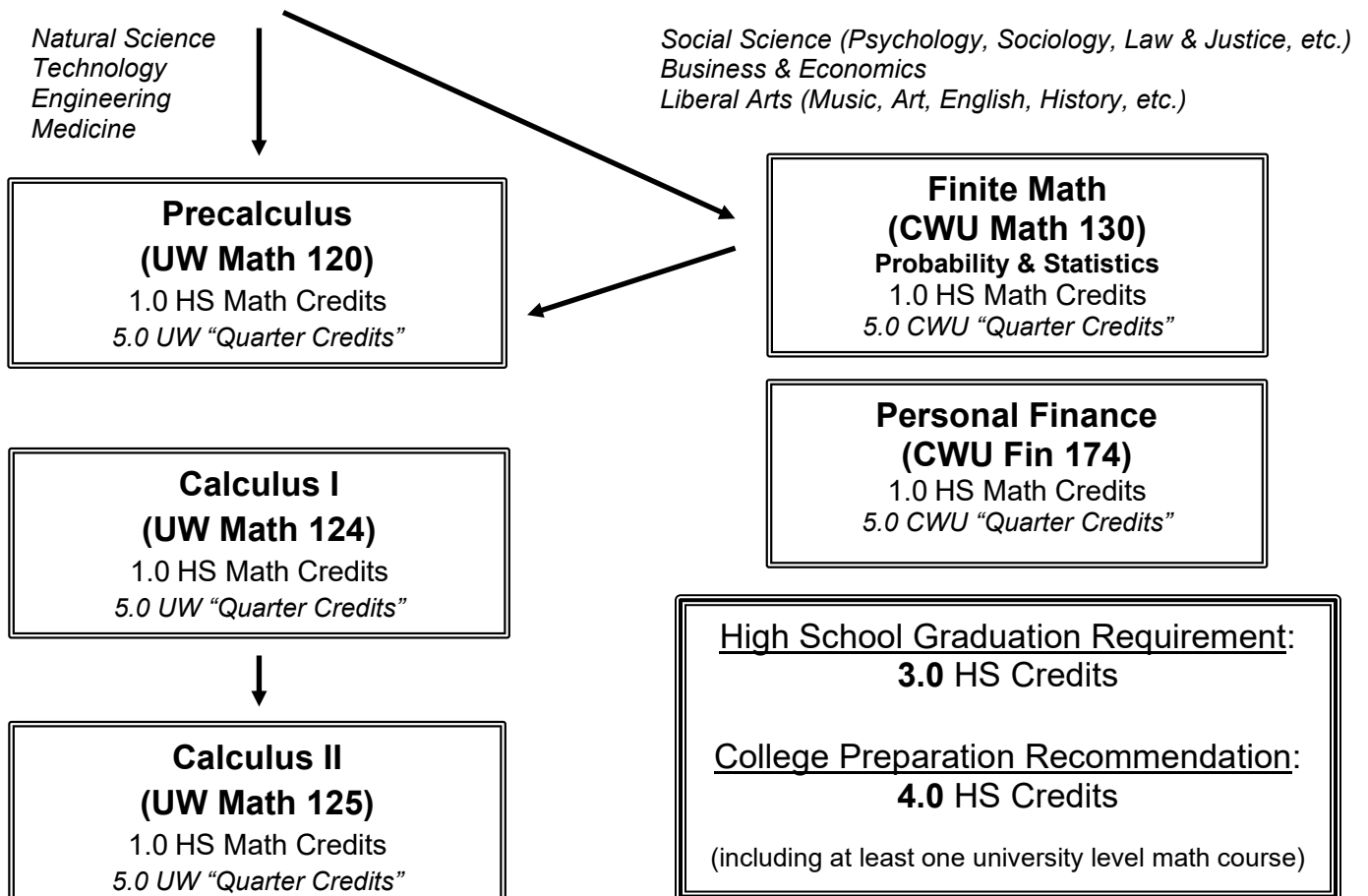
CTE/Elective

Allows students to build upon the knowledge, skills, and abilities developed in the Construction Foundations course. Instruction in project planning, print reading, lay out and fabrication, material selection, tools and equipment, stages of construction, rigging, LEAN construction practices, and safety.

**MATHEMATICS**

**Chelan High School Mathematics Course Sequence**





**ALGEBRA I**

1 Credit

Course #: **MAT100/110**

Prerequisite: 9<sup>th</sup> grade placement by math teacher

Grades 9-12

Math/Elective/Required

This introductory Algebra course assumes that students have mastered the four operations on whole numbers, percentages, decimals and fractions, and that they can solve basic equations in one variable. The course covers linear equations and inequalities, graphing, linear systems, exponents, radicals, quadratic, and exponential equations. Students must be prepared to complete homework on a regular basis since this is considered to be the beginning of the mathematics "college track" pathway.

**GEOMETRY**

1 Credit

Course #: **MAT200/210**

Prerequisite: C grade or better in Algebra I

Grades 9-12

Math/Elective/Required

In this course students explore the characteristics of one, two, and three-dimensional figures in space, and use those properties to analyze information, make models, and solve real life problems. Some concepts to be studied include congruence, similarity, logic, transformations, and calculation of areas and volumes. A solid background in Algebra I is necessary. This is the second of the series of three college preparatory mathematics course.

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**ALGEBRA II**

1 Credit

Course #: **MAT300**

Prerequisite: C grade or better in Algebra I

Grades 10-12

Math/Elective/Required

The purpose of this course is to expand the students' understanding of Algebra I concepts and to prepare students for college mathematics. Students should have a solid algebra background. The course analyzes functions, including linear, quadratic, cubic, rational, irrational, exponential, and variation. There is a strong emphasis on application and problem solving. This is the third of the series of three traditional college preparatory courses.

**PRE-CALCULUS with TRIGONOMETRY**

1 Credit

**College Credit: 5 UW (MAT120)**

Course #: **MAT120**

Prerequisite: C or better in Algebra II

Grades 10-12

Elective/Math

**TUITION/FEE \$370 (subject to increases by the UW) GRADE B OR BETTER ½ TUITION REIMBURSED**

Pre-Calculus is the class that transitions the student from the study of algebra to the study of calculus. This course is the same intensive curriculum offered on campus at the University of Washington. Chelan High School has been approved to offer Math 120 for University credit by adhering to the same rigorous standards set by the University of Washington. Time management and organizational skills are necessary components for succeeding in this course. You will find listed some common traits of successful students and their parents that should be considered as you prepare for Pre-Calculus. The book can be found on-line at <http://www.math.washington.edu/~m120>.

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**CALCULUS I**

Course #: **MAT124**

1 Credit

**College Credit: 5 UW (MAT 124)**

Prerequisite: C or better in Pre-Calculus

Grades 11-12

Elective/Math

**TUITION/FEE \$370 (subject to increases by the UW) GRADE B OR BETTER ½ TUITION REIMBURSED**

Class will be offered at CHS if enough students enroll. An introduction to the fundamentals of Calculus, this course is the same intensive curriculum offered on campus at the University of Washington. Chelan High School has been approved to offer Math 124 for University credit by adhering to the same rigorous standards set by the University of Washington. Topics include: Limits, derivatives, differential equations, definite integrals, and transcendental functions. The course outline can be found on-line at <http://www.math.washington.edu/~m124/>

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### **CALCULUS II**

1 Credit

**College Credits: 5 UW (MAT 125)**

Course #: **MAT125**

Prerequisite: C or better in Calculus I

Grades 11-12

Elective/Math

**TUITION/FEE \$370 (subject to increases by the UW) GRADE B OR BETTER ½ TUITION REIMBURSED**

Class will be offered at CHS if enough students enroll. A course offering of an introduction to the fundamentals of calculus, this course is the same intensive curriculum offered on campus at the University of Washington. Chelan High School has been approved to offer Math 125 for University credit by adhering to the same rigorous standards set by the University of Washington. Topics include definite and indefinite integrals, differential equations, techniques, and applications of integrals.

### **SURVIVING ON YOUR OWN**

1 Credit

Course #: **MAT230**

Prerequisite: None

Grades 10-12

Elective/CTE/3<sup>rd</sup> year Math Credit

Surviving on Your Own is a class that will teach you all of the skills you need to be successful living on your own or with a roommate. The class is designed to give you experience in “real world” situations so you can do an awesome job with future employment interviews, completing tax forms, moving into an apartment, signing rental agreements, understanding credit cards and loans, investing your money and making inexpensive healthy meals. Students have felt that this class was very valuable and prepared them for their future!

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### **FINITE MATHEMATICS 130**

1 Credit

**College Credits: 5 CWU (MAT 130)**

Course #: **MAT130**

Prerequisite: Completion of Alg II w/ C grade or Better

Grades 10-12

Math/Elective

**TUITION/FEE \$275 (subject to increases by CWU) GRADE B OR BETTER ½ TUITION REIMBURSED**

“Finite Mathematics” is a course about probability and statistics. Students learn how to collect, organize, summarize, and analyze data to gain insights into patterns and trends and to make predictions of future behavior. Using the vocabulary of statistics, this course will teach students how to communicate statistical methods, results, and interpretations. Students who do not complete Precalculus before taking Finite Mathematics may be required to take the AccuPlacer test during the 1<sup>st</sup> week of class in order to determine their “college readiness”.

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**PERSONAL FINANCE 174**

1 Credit

**College Credits: 5 CWU (FIN 174)**

Course #: **MAT235**

Prerequisite: Passing grade in Alg II and score 250+ on Accuplacer, or completion of UW Math 120 Precalculus  
Grades 10-12  
Math/Elective

This course addresses the broad spectrum of financial issues encountered by individuals throughout their lives. Topics include but are not limited to: preparing a personal budget, money management, investments, retirement planning, educational planning and insurance.

**PHYSICAL EDUCATION**

**LIFETIME ACTIVITIES**

1 Credit

Course #: **PED100**

Prerequisite: None  
Grade 9  
Required

Lifetime activities classes are co-educational and a combination of learning and fitness activities, including individual and team sports, with an emphasis on lifelong activities/lifetime fitness. Fitness activities will emphasize aerobic fitness, flexibility, and muscular strength/ endurance exercises that can be used for a lifetime of fitness incorporating the components of fitness, fitness planning as well as demonstration of proper safety procedures for exercise. Topics include components of fitness, nutrition, and body composition, principles of fitness, and health management techniques. Learning activities include handouts, lectures, films, quizzes, tests, fitness goal setting, skill and content exams, projects, portfolios, and personal fitness planning.

**STUDENTS WILL NOT BE ALLOWED TO TAKE LIFETIME ACTIVITIES & ADDITIONAL PE CLASS SIMULTANEOUSLY.**



**WEIGHT TRAINING I**

1 Credit

Course #: **PED150/160**

Prerequisite: Lifetime Activities with a C or better.

Grades 9-12

Elective – PE Credit

The emphasis of this course is to help students achieve desired results in the 5 health-related fitness components (muscular strength, muscular endurance, cardiorespiratory endurance, flexibility and body composition). This will be accomplished by engaging in fast-paced workouts that result in optimal total body fitness. This class is up-tempo and new workouts are taught each phase (3 weeks). Daily lessons include a proper dynamic warm-up, an extensive workout and a cool-down. Students are taught the correct technique and fundamentals of common lifts which will improve performance and help prevent injury. Students will monitor their improvements by recording baseline (pre-test), mid-term and final test scores.

**STUDENTS WILL NOT BE ALLOWED TO TAKE WEIGHT TRAINING I & ADDITIONAL PE CLASS SIMULTANEOUSLY.**

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**WEIGHT TRAINING II**

.5 OR 1 Credit (may be taken for either)

Course #: **PED170/180**

Prerequisite: Weight Training I

Grades 10-12

Elective – PE Credit

This course emphasizes strength, speed and power using Olympic style lifts with skill development in explosive, reactive, and quickness movement drills. The course will guide the student through total body strength and conditioning throughout the year. Each student will maintain a personal strength training portfolio to monitor lifting and apply basic weight and fitness training terminology and principles throughout the course. Students experience a variety of exercises that can be used for a lifetime of fitness.

**STUDENTS WILL NOT BE ALLOWED TO TAKE WEIGHT TRAINING II & ADDITIONAL PE CLASS SIMULTANEOUSLY.**

**FITNESS 4 LIFE**

1 Credit

Course #: **PED300**

Prerequisite: None

Grades 10-12

Elective/ PE Credit

This class is for students who want to improve their fitness level. Students will be in the weight room two days a week and in the gym the remaining three days participating in a variety of fitness and conditioning workouts and activities. Aerobic activities will include walking, jogging, and various sport activities. Each student will develop and monitor their individual fitness plan.

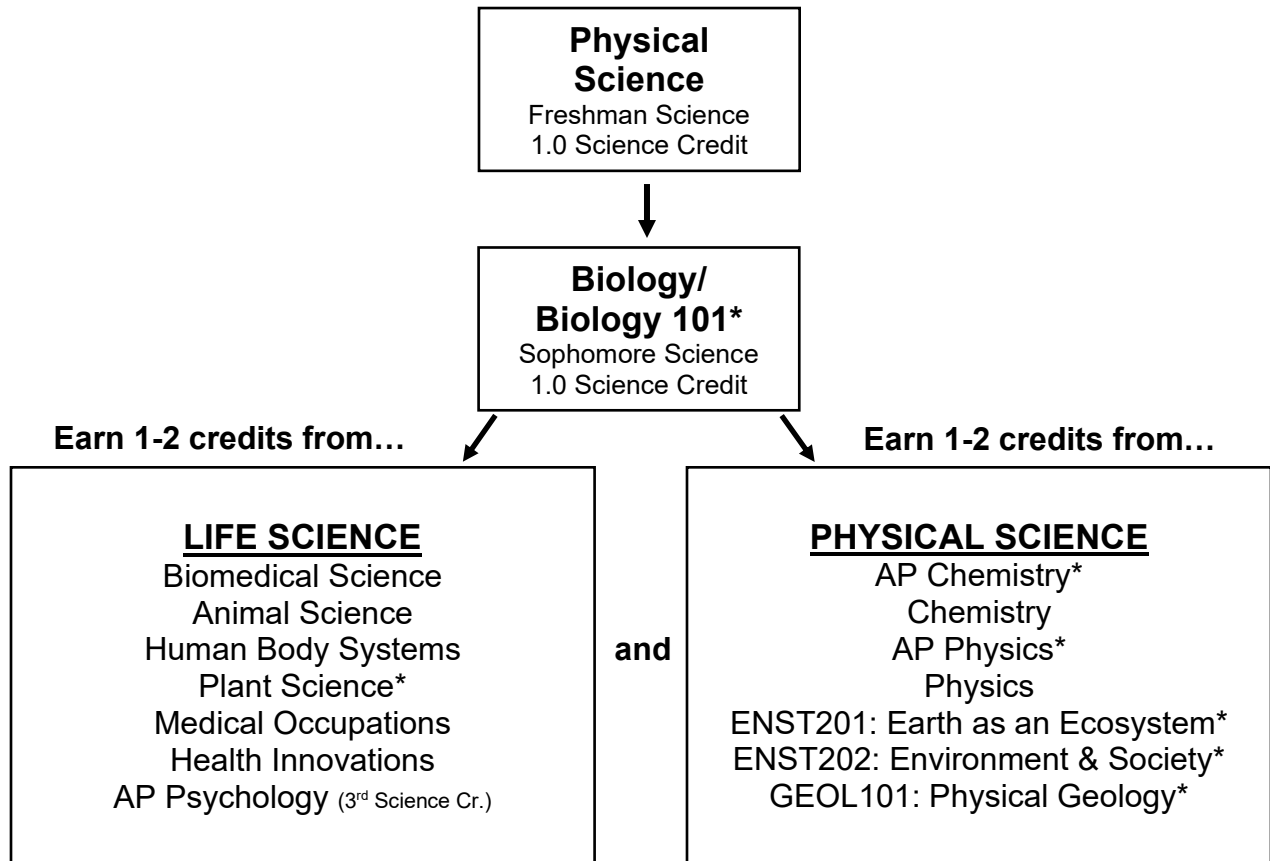
**STUDENTS WILL NOT BE ALLOWED TO TAKE FITNESS 4 LIFE & ADDITIONAL PE CLASS SIMULTANEOUSLY.**

# SCIENCES



## Chelan High School Science Course Sequence

Must take at least one (1) Life Science and one (1) Physical Science course as part of the overall 3 science credits required to graduate.



\*Denotes a possible college credit earning class.

Not all courses are offered each year; interest & enrollment dictate offerings.

### Science & Engineering Careers Including Health Related Fields

#### Recommendation:

5.0 Science Credits  
4.0 Math Credits

### 2- or 4-year College Preparation

#### Recommendation:

4.0 Science Credits

### CHS Graduation Requirements:

3.0 Science Credits

**PHYSICAL SCIENCE**

1 Credit

Course #: **SCI085**

Prerequisite: None

Grades 9

CTE/Lab Science

Physical Science is an entry-level science course predominantly taken by freshmen. This course is designed to introduce students to a variety of different topics in Chemistry and Physics at a surface level. The class will be spent examining chemistry topics like properties of matter, atomic structure, and chemical bonding and reactions, as well as physics topics of motion and forces, energy, electricity and magnetism, and sound and light waves. We adhere to the next-generation science standards (NGSS) for physical science.

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**BIOLOGY/BIOL101: FUNDAMENTALS OF BIOLOGY**

1 Credit

**Optional College Credit: 5 CWU (BIOL101)**Course #: **SCI200/215**

Prerequisite: passing grade in Physical Science

Grade 10

Lab Science

Optional to be taken for CWU credit

**TUITION/FEE TBD (subject to increases by CWU)** “Fundamentals of Biology” is an introduction to scientific inquiry and basic principles of biology at the molecular, cellular, organismal, community, and ecosystem levels as applied to humans, society, and the environment. This course covers general Biology content but with college credit earning opportunity.

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**GEOLOGY 101 & GEOLOGY LAB**

1 Credit

**College Credits: 5 CWU**Course #: **SCI625**

Prerequisite: None

Grades 9-12

Lab Science/Elective

**TUITION/FEE TBD (subject to increases by CWU)** Geology 101 is a college in the HS course offered through CWU. An introduction to geology emphasizing the origin and nature of the common rocks, plate tectonic theory, earthquake and volcanoes, and geologic time. Field trips around the region to explore the geologic features of the coulees, Columbia River, North Cascade mountains, and glaciers.

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## **AP PHYSICS**

1 Credit

Course #: **SCI405**

Prerequisite: Concurrent with Algebra II  
or higher math with a C or better

Grades 11-12

Elective/Lab Science

AP Physics 1 is an algebra-based, introductory college-level physics course. Students going into Science, Engineering, Healthcare, or Tech fields at a 4-year university are **highly** encouraged to take this level of the course. Students cultivate their understanding of physics through inquiry-based investigations as they explore these topics: kinematics, dynamics, circular motion and gravitation, energy, momentum, simple harmonic motion, torque and rotational motion, electric charge and electric force, DC circuits, and mechanical waves and sound. Students take the AP test in May of each year. This year-long class is equivalent to the first semester of General Physics at a college or university.

# MEDICAL SCIENCES

## **HEALTH**

.5 credit

Course #: **MED100**

Prerequisite: None

Grade 9 rotation course

Required: Health/CTE

This course is designed to provide students with basic information about the health care issues that face today's youth. Students will also learn about the many health careers from health care professionals in our community. First Aid and CPR skills are taught as a part of this class. Students meet the .5 Health credit requirements by taking this class.

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## **HUMAN BODY SYSTEMS**

1 Credit

Course #: **SCI500**

Prerequisite: Completion of Freshman Science or concurrent enrollment in Biology

Grades 10-12

Elective/CTE/Lab Science

How does the human body work? What happens when the body's systems are not working correctly? During this STEM course you discover answers to these questions by exploring science in action via conducting organ dissections, measuring and monitoring body functions using technology, and designing and conducting lab investigations. You will solve real-world medical mysteries as a biomedical professional. Systems to be studied include skeletal, muscular, nervous, endocrine, circulatory, respiratory, immune, and integumentary. There will be multiple guest speakers from incorporated into this course.

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## **MEDICAL OCCUPATIONS I**

1 Credit

Course #: **MED300/305**

Prerequisite: Biomedical Science

Grades 11-12

Elective/ Science

This class is for students interested in working in the medical field. Much of the class involves training for health care agencies. Students can become CPR certified and will job shadow professionals in the medical field. Upon successful completion of this course, the student is eligible to take the Washington State Licensing test to become a Certified Nursing Assistant. With receiving the state license, the student may become employed in many different entry level jobs in the health care field.

## **SPORTS MEDICINE**

1 Credit

Course#: **MED350**

Prerequisite: Biology 101

Grades: 10 -12

Elective/Science

Jumpstart your medical career in Sports Medicine! This hands-on course teaches life-saving CPR, first aid, and the anatomy of common athletic injuries. Perfect for those pursuing physical therapy, nursing, or athletic training, you'll gain essential clinical knowledge and skills to support athletes and make an impact on the sidelines.

## SOCIAL STUDIES



### GEO CIVICS

1 Credit

Course #: **SOC200**

Prerequisite: none

Grade 10

Required (if not taking World History 103)

World Geography/Civics is a required course for graduation. This one credit class covers the different regions of the world conceptually and explores such topics as Physical Geography, Human Geography, Change, Political Geography, and Economics & Globalization as it relates to the five themes of geography. In addition, Civics will be integrated throughout as well as the final unit of study. This course will include lecture, note-taking, independent practice, group projects, cooperative learning, student-led projects, document-based question analysis, and writing assignments.

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### HIST103: WORLD HISTORY FROM 1500

1 Credit

**College Credit: 5 EWU (HIST103)**

Course #: **SOC250**

Prerequisite: Teacher Approval

Grades 10

Elective/Modern World History

**TUITION/FEE TBD (subject to increases by EWU)** This course surveys the major trends in world history from 1500 to 2000, emphasizing the expansion of Europeans around the globe since Columbus reached the New World and the effects on non-European peoples ever since. A comparative approach will be applied to the great themes of civilization with details from everyday life.

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### HIST111/HIST 112: AMERICAN HISTORY TO & SINCE 1877

2 Credits

**College Credit: 10 EWU (HIST111 & HIST 112)**

Course #: **SOC351/352**

Prerequisite: World History 103 Recommended

Grade 11

Meets U.S History Requirement

HIST 111: American History to 1877. This course examines the changes and continuities of early American history from the development of colonial societies to the end of Reconstruction. Following a chronological timeline, students will evaluate and discuss historical voices, both primary and secondary, in national events such as the American Revolution, political and cultural transformations of the antebellum era, and the Civil War. Students will examine primary sources to produce a research project.

HIST 112: American History since 1877. This course examines changes and continuities of modern American history from the Reconstruction era to the present day. Following a chronological timeline, students will evaluate and discuss historical voices, both primary and secondary, in national events such as Progressivism, World War

II, the Civil Rights Movement, and globalization. Students will examine secondary and primary sources to produce a research project. This course also satisfies the state graduation requirement for U.S. History.

**U.S. HISTORY**

1 Credit

Course #: **SOC300**

Prerequisite: None

Grade 11

Required

Students explore Civics and the history of the United States in the 20<sup>th</sup> century. Students will learn about the American experience from a variety of perspectives: through lectures, presentations, individual research and multimedia.

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**CWP (CURRENT WORLD PROBLEMS)**

1 Credit

Course #: **SOC400/410**

Prerequisite: US History

Grade 12

Required

CWP deals with contemporary, domestic and world issues with special emphasis upon critical and/or enduring international problems and map studies. Current periodicals will be used to enhance the learning process. This is a final course in the social studies sequence to acquaint the student with global issues and the decision-making role of the individual. The course will cover: the nature of man, comparative government and economic systems, selected world problems (hunger, population, terrorism, Genocide, Aids, etc.), international relations, and the future. The course will stress continued development of social studies skills and individual decision making.

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**SOC101: SOCIOLOGY**

1 Credit

**College Credit: 5 CWU (SOC101)**

Course #: **SOC450**

Prerequisite: US History

Grade 12

Required

The course will also use the curriculum from the class *Soc 101: Social Problems* from Central Washington University. Much of the material presented in this course will challenge your values and beliefs since adopting a sociological perspective entails looking at the world from a different vantage point than the one you typically use. There will be textbook and a reader in which you will examine social problems in nine (9) areas. While many of these social problems have a global impact, the social structure of US society is the basic unit of analysis for interpreting and understanding them.

**NOTE:** You will even have the opportunity to earn five (5) college credits through the Cornerstone program offered by Central Washington University. You should check with the college(s) or university (ties) prior to registration for the cornerstone program and make sure they will accept the credits. Also, please understand that because this is an afternoon class you will receive .5 credits for the semester but because you will register for this 5-credit college class, you will receive 1.0 high school equivalent credit. Please reference WAC 180-51-050 (2) College and University course work. At the college or university level, five quarter or three semester hours shall equal 1.0 high school credit: Provided, that for the purpose of this subsection, "college and university coursed work" means course work that generally is designated 100 level or above by the college or university. **If Students are enrolled in this class 1<sup>st</sup> semester and choose not to take the class for college credit they**

must enroll in CWP second semester. (Each semester will then count for .5 high school credit) Students taking the class 2<sup>nd</sup> semester must sign up for college credit.

## GENERAL ELECTIVES



### CHST 218: CHICANO HISTORY

1 Credit

**College Credit: 5 EWU (CHST218)**

Satisfies a university graduation diversity requirement

Course #: **SOC455**

Prerequisite: None

Grades 10-12

Elective

**TUITION/FEE TBD (subject to increases by EWU)** This course offers a study of Latino history with an emphasis on Mexican Americans from the time of the Treaty of Guadalupe Hidalgo in 1848, to the present. Specific themes discussed include the Mexican American War, the Treaty of Guadalupe Hidalgo of 1848, the economic, political and social conditions after the Anglo-American conquest of the southwest, Mexican immigration to the U.S., Chicano labor history, the Chicano movement and other Chicano themes. *Satisfies EWU culture and gender diversity graduation requirement.*

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### CHST 202: INTRODUCTION TO CHICANA/O/X CULTURE

1 Credit

**College Credit: 5 EWU (CHST202)**

Satisfies a university graduation diversity requirement

Course #: **SOC456**

Prerequisite: None

Grades 10-12

Elective

**TUITION/FEE TBD (subject to increases by EWU)** A project-based study of Mexican American and Latino/a culture providing an initial overview of its roots and conflicts. Specific components discussed are cultural identity, customs, language, psychology, and the arts.

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### AP PSYCHOLOGY

1 Credit

Course #: **SOC501**

Prerequisite: None

Grades 10-12

Elective/ 3<sup>rd</sup> Science Credit

This course surveys the major topics in the field of psychology as well as terminology, methodology, and the historical and current understanding of human behavior and thought processes. Concepts, terminology, and research findings are presented at the level of an introductory college psychology course. Students learn how psychologists analyze human experiences and apply what they have learned. Organized in seven units, the course presents the following topics: introduction to psychology, the biological basis of behavior, human

development and awareness, human cognition, human motivation and emotion, human interaction, and course review.

**CMST203: INTRO TO LEADERSHIP**

1 Credit

**College Credit: 3 EWU (CMST203)**

Course #: **ELT555**

Prerequisite: Teacher approval; Required of ASB Officers

Available to all in grades 11-12

Elective

**TUITION/FEE TBD (subject to increases by EWU)** An introduction to basic leadership skills, this course covers models in a variety of areas such as communication, decision making, problem solving, time management, conflict resolution and ethics. Student learning outcomes: To identify various approaches to leadership, to develop your own personal leadership approach, and to apply your leadership approach to real-world leadership experiences.

This course is an introduction to leadership. We will cover a variety of leadership areas such as: finding your voice as a leader; understanding the other; hope; the importance of unlearning; trust; reconciliation and forgiveness; leading quietly; cross cultural leadership; the lives of individual leaders; and traditional and nontraditional models of leadership. The vision or purpose of this course is to help you, the student, to critically examine what you have been taught about leadership as well as who you are as a person and to discover what your gifts and talents are. It is our position that anyone can learn basic LEADERSHIP skills, but not everyone does the initial hard self-work. This introductory course to the Leadership Certificate focuses on personal leadership in your life and in any group setting. You will be exposed to new ways to learn and think about leadership while being exposed to some leadership theory.

This is a project-oriented class designed to develop your leadership potential. Through a team building model you will plan, organize, promote, communicate, and set goals. Highlighted projects include Leadership Camp, Homecoming Week Activities, Assemblies, Community Service Projects, School Dances, ASB Elections, Student Government, and more.

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**EFC250: INTRO TO EDUCATION/TEACHER ACADEMY**

1 Credit

**College Credit: 5 CWU (EFC250)**

Course #: **ELT620**

Grades 11-12

Elective

**TUITION/FEE TBD (subject to increases by CWU)** Teacher Academy introduces you to teaching as a career. Through classroom discussions, readings, guest speakers, and activities, you will learn about issues affecting schools and students around the nation and in Washington State. We offer certification as a paraprofessional and your CPR/First Aid certification as part of the class. You will spend first semester observing various teachers at the preschool, at MOE, and at CMS. Second semester, you spend at least an hour 3-5 days per week at a teaching and classroom placement of your choice. Here, you will work with students directly one on one, in small groups, or leading whole group lessons. You gain direct internship experience teaching to try out the profession or job. Completion of this class allows you to apply for many scholarships at CWU in the Department of Education as an incoming freshman.

**SUPPORT CENTER**

1 Credit

Course #: **SES300/305**

Prerequisite: Teacher/Counselor recommendation

Grades 9-12

Elective

This class is Specifically Designed Instruction to help struggling students 9-12 transition into successful high school students. Students will benefit from lessons, accountability, and support in three critical areas; 1.) Study skills with time management and academic motivation, 2.) Academic tutoring and support and 3.) Specially designed academic instruction. This will enhance learning in all of your classes and aid you in goal setting and decisions that will lead you toward opportunities, freedom, and self-respect. A critical part of your support and accountability will come from a teacher or mentor driven support system. Together, we will learn how to study and be better organized, and other tools. We will monitor your attendance, behavior, attitude, and academic progress. Improvement in all areas will be expected.

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**EDUCATIONAL SUPPORT SERVICES**

1 Credit

Course #: **ELT100/110**

Prerequisite: 2.5 GPA/ On-track to graduate

Grades 11-12

Elective

ESS students are limited to **Junior or Senior** students who are on-track for graduation. A good attendance record and maintaining a 2.5 GPA is also required. This is a graded class. Students will be paired with a certificated or classified staff. ESS Students offer both academic support and assistance in the classroom or perform various administrative duties for the assigned staff member. Each staff member is limited to only one ESS Student.

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**MATH TUTOR**

1 Credit

Course #: **ELT145**

Prerequisite: B or higher in Algebra and Geometry

Grades 11-12

Elective

Student tutors are limited to Junior and Senior students who are on-track for graduation. Tutors will be paired with a math teacher who is teaching Pre-Algebra, Algebra or Geometry, and will offer math support to students in those courses. Tutors are expected to have excellent attendance and will aid in keeping students focused and on-task. Tutors who are bilingual may be placed in classrooms with students who have limited English language proficiency so that the tutor can also help with translation.

# MULTILINGUAL LEARNER PROGRAM

## ENGLISH LANGUAGE DEVELOPMENT (ML – Multilingual Learners)



### **BEGINNING MLE**

1 Credit

Course #: **MLE100**

Prerequisite: Teacher placement

Grade 9-12

ELA credit earned

This class is intended for beginning students of English. It focuses on increasing students' English skills in the areas of speaking, listening, reading, and writing to an early-advanced level. The thematic, integrated curriculum provides students with a balanced approach to learning English through authentic literature, informational texts, vocabulary development, and systematic skill and grammar instruction. The curriculum for ML classes is based on the state's English Language Proficiency standards and their corresponding CCSS. Placement will be determined based on a students' WIDA ELD scores as well as an assessment of their Spanish literacy level.

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### **INTERMEDIATE / ADVANCED MLE**

1 Credit

Course #: **MLE150/200**

Prerequisite: Teacher placement

Grades 9-12

ELA credit earned

This class is intended for students at the intermediate to early advanced level of English proficiency based on WIDA scores. It is a continuation of Beginning ELD in which we continue working towards proficiency in the areas of speaking, listening, reading and writing. The thematic, integrated curriculum provides students with a balanced approach to learning English through authentic literature, informational texts, vocabulary development, and systematic skill and grammar instruction. The curriculum for ML classes is based on the state's English Language Proficiency standards and their corresponding CCSS. Placement will be determined based on a students' WIDA ELD scores as well as an assessment of their Spanish literacy level.

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### **ENGLISH LANGUAGE MLE**

1 Credit

Course #: **ENG050**

Prerequisite: Teacher placement

Grades 9-12

ELA credit earned

This is a grade-level ELA course for students performing at an overall level 2 English language development proficiency that provides designated and integrated English language development by applying the WIDA ELD Standards Framework to develop academic discourse through reading, writing, speaking, and listening. Emphasis is on building knowledge through content-rich nonfiction, writing to sources by using evidence from text, both literary and informational, and regular practice with complex text and its academic language. Course content is aligned with grade-level WIDA standards and follows CCSS.

## SPECIAL EDUCATION SERVICES



The following classes are offered to those students who qualify under the guidelines of Public Law 94-142.

### **LANGUAGE I**

1 Credit

Course #: **SES100**

Prerequisite: None

Grades 9

Required

Students are introduced to a variety of genres and writing styles by reading fables, myths, tall tales and legends, short stories, nonfiction, poetry, and drama. Complete works and excerpts from a diversity of classic and contemporary writers capture student interest and provide an introduction to the study of literature at the students reading level. Outside reading throughout the year is designed to supplement class assigned readings and help students focus on reading comprehension as well as reading for pleasure.

### **LANGUAGE II**

1 Credit

Course #: **SES120/125**

Prerequisite: Language I

Grade 10

Required

This course opens the door to culturally diverse writers from around the world to capture student interest and encourage engagement with the text at the student's level. Students will write in several different genres: such as essays, reports, journals, and poems. Outside reading throughout the year is designed to supplement class assigned readings and help students focus on reading comprehension as well as reading for pleasure.

### **LANGUAGE III**

1 Credit

Course #: **SES130**

Prerequisite: Language II

Grade 11

Required

The class explores our literary heritage from the age of sail to the era of cyberspace. Selections are presented in chronological sequence to provide historical overviews. Students will write in several different genres: such as essays, reports, journals, and poems. Outside reading throughout the year is designed to supplement class assigned readings and help students focus on reading comprehension as well as reading for pleasure.

### **LANGUAGE IV**

1 Credit

Course #: **SES140/145**

Prerequisite: Language III

Grade 12

Required

Language IV centers on contemporary works from writers of diverse backgrounds and styles. Students will continue using the writing process, writing personal essays, short stories, poems, and business writing to meet each students' needs. Outside reading throughout the year is designed to supplement class assigned readings and help students focus on reading comprehension as well as reading for pleasure.

**BASIC ALGEBRA**

1 Credit

Course #: **SES210**

Prerequisite: None

This course provides students with all of the concepts and skills they need to succeed in a first-year algebra course. The content provides students of all abilities with essential preparation in problem solving, calculator usage, and application lessons that demonstrate how algebra is integrated with related content areas such as geometry, probability, and statistics.

**BASIC GEOMETRY**

1 Credit

Course #: **SES260**

Prerequisite: None

This course teaches the basic concepts of geometry in a step-by-step approach. Students go beyond the basics of geometry. Students will explore geometric solids, triangles, the Pythagorean Theorem, quadratic equations, length, area, and volume. Students will learn to apply geometry to situations in their own lives.

**LIFE SKILLS**

.5 or 1 Credit

Course #: **SES400/401**

Prerequisite: None

Elective

Students learn a variety of skills needed for independence after graduation. Social skills, vocational training, functional academics, consumer economics, shopping, and domestic skills are among many of the skills taught. Activities are individualized to meet each student's needs.

**LIFE SKILLS ENGLISH**

1 credit

Course #: **SES135**

Prerequisite: None

This class teaches the basics of reading and written language. Materials are provided at the student's level. Activities vary from basic phonemic awareness through basic reading skills. Many Activities emphasize skills needed in real world situations such as reading bus schedules, labels, recipes, and filling out application forms.

**LIFE SKILLS MATH**

1 Credit

Course #: **SES430**

Prerequisite: None

This class teaches basic math skills at the student's level. Real world activities such as using checking accounts, money skills, and unit pricing are also covered.

**LIFE SKILLS SCIENCE**

1 Credit

Course #: **SES440**

Prerequisite: None

Students are presented with hand-on activities to introduce them to scientific procedures at their level. Earth science, physical science, and health issues will be covered.