



# CHELAN HIGH SCHOOL

2022 - 2023

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: Tamar Burns**  
Human Resources, (509) 682-3515 or [burnst@chelanschools.org](mailto:burnst@chelanschools.org)

**Section 504 / Special Education / ADA Coordinator: Sarah Clarke**  
(509) 682-7744 or [clarkes@chelanschools.org](mailto:clarkes@chelanschools.org)

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

## **CHELAN HIGH COURSE DESCRIPTIONS 2022/23**

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 & DISCOUNTED COLLEGE COURSES AT CHS

*CHS Juniors and Seniors are eligible to have up to 10 college in the high school credits (2 classes) funded by a state grant.*

*CHS Sophomores are eligible for up to 5 college in the high school credits (1 class) funded by the Lake Chelan School District.*

*All CHS students are eligible for reimbursement of ½ of tuition costs for any credits above those mentioned above.*

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 Studies 218** (Eastern Washington University)
- ✓ **Advanced Placement Psychology**
- ✓ **English 102/105** (Central Washington University)
- ✓ **English 101** (Eastern Washington University)
- ✓ **Intro to Literature 170** (Eastern Washington University)
- ✓ **Public Speaking 201** (Eastern Washington University)
- ✓ **Environmental Science 201** (Central Washington University)
- ✓ **Environmental Studies 202** (Central Washington University)
- ✓ **Human Physiology 201** (Central Washington University)
- ✓ **Global Health 101** (University of Washington)
- ✓ **Biology 101** (Central Washington University)
- ✓ **Advanced Placement Physics**
- ✓ **Leadership 200** (Eastern Washington University)
- ✓ **Intro to Education 250** (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)
- ✓ **Geology 101** (Central Washington University)

## **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 [www.ncaaclearinghouse.net](http://www.ncaaclearinghouse.net) 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.

<b>Freshmen</b>	PSAT 8/9 - Preliminary Scholastic Aptitude Test (Given at CHS)
<b>Sophomores</b>	SBAC - Smarter Balanced Assessment Consortium. Both ELA & Math tests. PSAT - Preliminary Scholastic Aptitude Test (Univ/ bound students)
<b>Juniors</b>	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
<b>Seniors</b>	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.



## 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:**

**RUNNING START** – Is a program for high school juniors and seniors in good academic standing which allows them to earn high school and 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 take the ASSET placement test which is given at Wenatchee Valley College. Students must declare their intent to participate in **Running Start** and take the ASSET test in the spring of the school year prior to participation. A mandatory meeting is held at the high school in the spring for all interested students and parents.

**NORTH CENTRAL WASHINGTON 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 NCW Skills Center fulfill either elective or vocational credit.

### **GRADE POINT AVERAGE**

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.

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

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

## **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 2020 & 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	Intro to Computer Science/TEALS
.5	Health
<b>22.0</b>	<b>Required</b>
<b>4.0</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.

## **RECOMMENDED CLASSES BY YEAR FOR GRADUATION**

### **Grade 9**

Advisory I  
 English I  
 World Language  
 Science/P.E.  
 Math  
 Rotations:

- Foods & Nutrition I
- Health
- Intro to Computer Science
- STEM Science

### **Grade 10**

Advisory II  
 English II  
 Social Studies  
 Science  
 Math  
 World Language/P.E.

### **Grade 11**

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

### **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: 5 WVC**

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 5 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: 5 WVC**

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 5 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: 5 WVC**

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. *Completing this course with a "B" average makes student eligible for 5 Tech Prep Credits from Wenatchee Valley College.*

**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.

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**SMALL ENGINE REPAIR**

1 Credit

Course #: **AGR425**

Prerequisite:

Grades 10-12

Science/CTE/Elective

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).

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**FLORAL DESIGN**

1 Credit

Course #: **AGR430**

Prerequisite: None

Grades 9-12

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.

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**PLANT SCIENCE**

1 Credit

Course #: **AGR230**

Prerequisite: Biology (can take concurrently)

Grades 10-12

Science/CTE/Elective/Lab Science

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.

## FINE ARTS / MUSIC



### **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.

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### **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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### **AP STUDIO ART**

1 Credit

Course #: **ART400**

Prerequisite: None

Grades 10-12

Elective / Fine Arts

The AP Studio Art portfolios are designed for students who are seriously interested in the practical experience of art. AP Studio Art is not based on a written examination; instead, students submit portfolios for evaluation at the end of the school year. The AP Program offers three portfolios: Drawing, 2-D Design, and 3-D Design. The portfolio has a basic, three-section structure, which requires the student to show a fundamental competence and range of understanding in visual concerns. The portfolio asks the student to demonstrate a depth of investigation and process of discovery through the Sustained Investigation section as well as a Breadth of techniques and teacher guided projects in the Range of Approaches section. A summer assignment will be completed prior to the beginning of the course in the fall.

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.

# BUSINESS & TECHNOLOGY



## TECH EDUCATION & LITERACY IN SCHOOLS

.5 Credit

Course #: **BUS100**

Prerequisite: None

Grade 9 rotation class

Required/CTE

Science and technology are critical drivers of today's global innovation economy. Intro to computer science will help our students prepare for the jobs of today and tomorrow and give them the opportunity to become familiar with programming languages and computational thinking.

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## 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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## CAREER CONNECTIONS

1 Credit

Course #: **BUS400/410**

Prerequisite: None

Grades 11-12

Elective/CTE

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

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. We will be using *The 7 Habits of Highly Successful Teenagers* – Sean Covey for reference.

This is a Career and Technical Education (CTE) course. Students receiving a grade of B or higher will receive 3 college credits WVC. All students are welcome.

By the end of this course students will:

- Be able to access their strengths, weaknesses, and life experience to help draft their resume.
- Demonstrate professional written and verbal communication skills for job applications and interviews.
- Learn and demonstrate personal leadership skills, establish goals, draft plans for success, and self-evaluate weekly progress.
- Be prepared for entry level work or internships based on interests and goals.
- Obtain CPR/First Aid certification, Washington State Food Work card, or other Industry Recognized Certification (IRC) relative to their job interest.

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

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



# 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.

**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.

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**PUBLIC SPEAKING**

1 Credit

**College Credits: 5 EWU (CMST201)**Course #: **ENG310**

Prerequisite: English I &amp; 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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**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. Writing skills will include learning to write with a business technical focus; letters, memos, resume, cover letter, and presentations. Students will learn how to follow directions, present themselves professionally, practice leadership skills, and understand the role of communication in the workplace. This course will also broaden the students' ability to understand, interpret, and appreciate a variety of fiction and nonfiction works. Providing you with these technical communication skills necessary for success in a global workplace will prepare you with the skills you need for your future education and/or training.

## **ENGLISH COMPOSITION & LITERATURE**

1 Credit

Course #: **ENG340**

Prerequisite: English I & 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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## **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.**

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## **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.**

**ENGLISH: COMP 102 & LIT 105**

2 Credits

**College Credits: 10 CWU**

Course #: **ENG450/460**

Prerequisite: English 101 and See Below\*\*

Grade 12

**\*\*Prerequisite: Students must pass English 101 with a C- or above. Students may earn 10 credits from Central Washington University (5 credits for English 102; 5 credits for English 105).**

**TUITION/FEE TBD (subject to increases by CWU)** ENG102: Research and Reason ENG105: The Literary Imagination. These classes are intended for students serious about pursuing academic degrees. English 102 sharpens advanced college writing skills. Students will analyze, critique, synthesize, and write arguments. English 105 is a survey of literature from classical to modern, across diverse genres. Students will engage in college-level literary analysis and explore historical and intellectual contexts surrounding each piece of literature.

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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.

# 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 & 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".

---

## **CULINARY ARTS**

1 Credit

Course #: **FCS300**

Prerequisite: Foods & 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.

---

**SURVIVING ON YOUR OWN**

1 Credit

Course #: **MAT230**

Prerequisite: None

Grades 10-12

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.

---

## **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



## **CARPENTRY I**

1 Credit

Course #: **ITM300**

Prerequisite: None

Grades 10-12

CTE/Elective

This course focuses on introductory shop, tool, and equipment safety, through the production of individually selected projects that culminates in a main construction project. Students are introduced to project management and construction systems through project-based learning. Concepts of measurement, layout, blueprint reading, and the option of Computer controlled Router designs (CNC) are also offered. A shop fee may be applied for some projects bases on quantity and type of materials used.

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## **CARPENTRY II**

1 Credit

Course #: **ITM320/330**

Prerequisite: Carpentry I

Grades 10-12

CTE/Elective

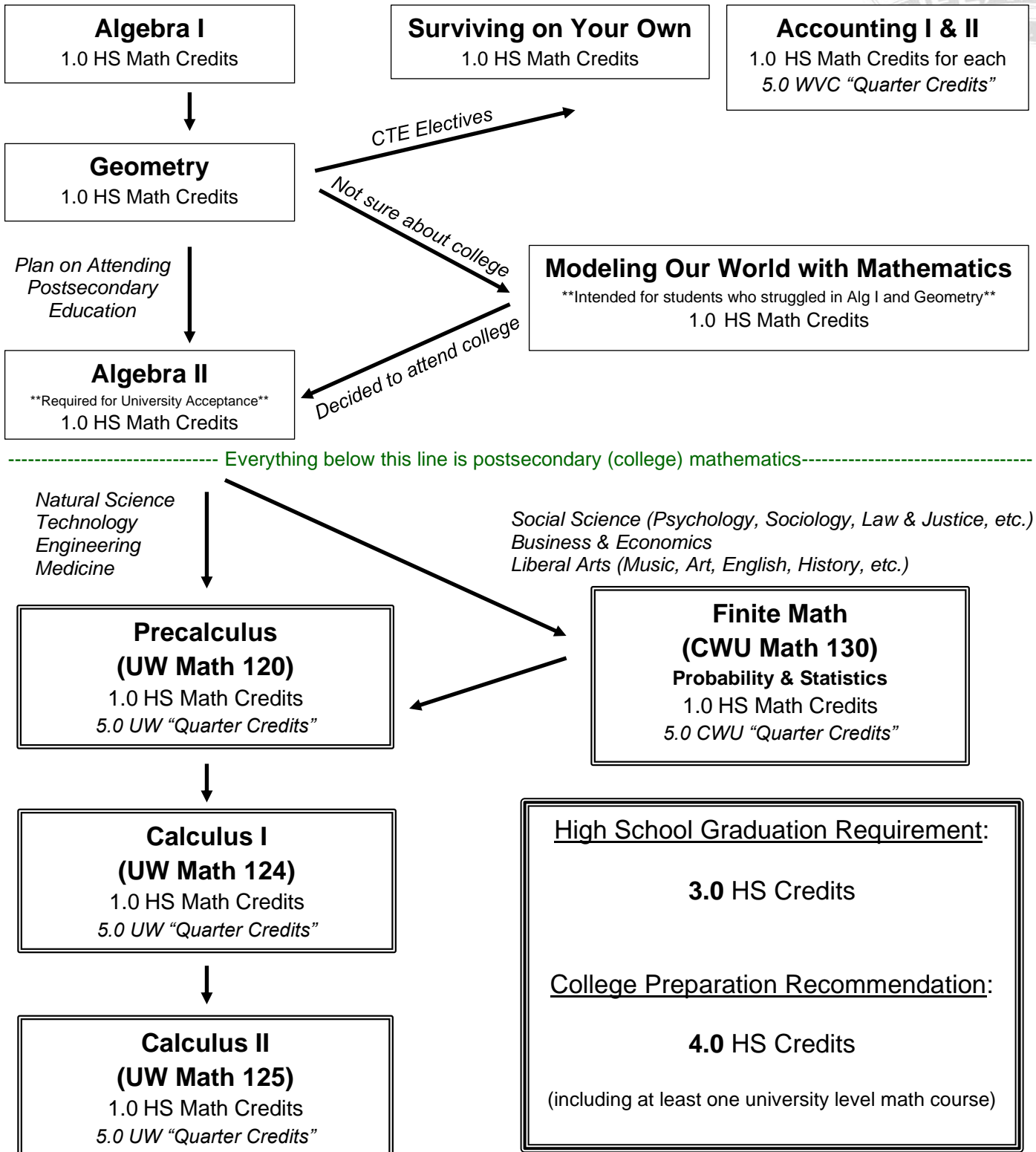
This course builds on skills learned in Carpentry I. This course focuses on shop, tool, and equipment safety, as well as project concept to completion. Students have the opportunity to manage a construction project and lead others (General Contractor). Concepts of measurement, layout, and blueprint reading are continued from Carpentry one as is the option of using the CNC machine for various projects. A shop fee may be applied for some projects bases on quantity and type of materials used.



# 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.

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**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**

1 Credit

**College Credit: 5 UW (MAT 124)**Course #: **MAT124**

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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**MODELING OUR WORLD WITH MATHEMATICS**

1 Credit

Course #: **MAT220**

Prerequisite: Geometry

Grades 9-12

Math/Elective

Modeling Our World with Mathematics is designed to follow Geometry. It consists of career-connected units where students use high school math to analyze everyday life and work. Some of the units of study are: Civics, Finance, Health and Fitness, Arts and Music, Environmental Science and Civil Engineering.

# HEALTH & 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.**

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## INTRO TO WEIGHT TRAINING

1 Credit

Course #: **PED150**

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 INTRO TO WEIGHT TRAINING & ADDITIONAL PE CLASS SIMULTANEOUSLY.**

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## STRENGTH & CONDITIONING

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

Course #: **PED200**

Prerequisite: Lifetime Activities with a C or better

Grades 11-12 (or 10<sup>th</sup> graders who have taken intro to training)

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 STRENGTH & CONDITIONING & ADDITIONAL PE CLASS SIMULTANEOUSLY.**

**PERSONAL FITNESS**

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 GENERAL FITNESS & ADDITIONAL PE CLASS SIMULTANEOUSLY.**

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**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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**KINESIOLOGY**

1 Credit

**College Credits: 4 EWU (PHED 349)**Course #: **PED450**

Prerequisite: None

Grades 11-12

Elective/ PE Credit

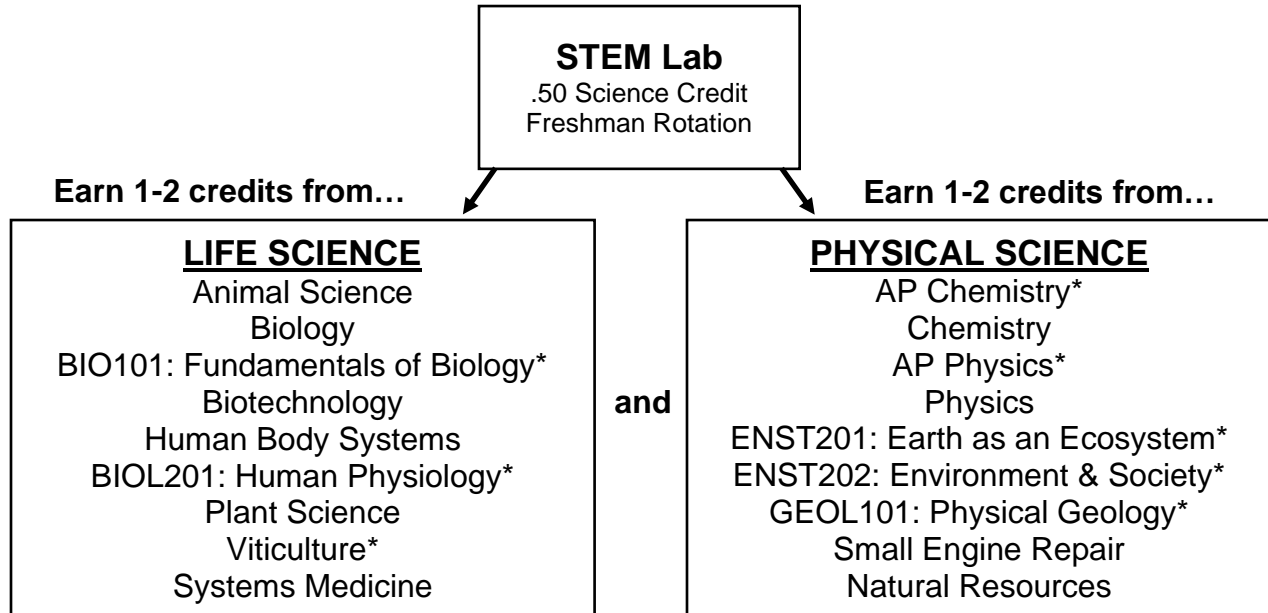
**TUITION/FEE TBD (subject to increases by EWU)** The study of the musculoskeletal structure of the human body: including bones and their articulation; segments and their movements; muscle attachments and actions and applied sports mechanics. *Special emphasis is placed on musculoskeletal analysis of basic exercises and movement patterns.* At the end of this anatomical/mechanical kinesiology course, the student will be able to apply anatomical concepts to human motion in a wide variety of activities including the evaluation of segment movements in specific exercises; evaluation of a muscle group's function(s) in basic exercises and sport skills, and the design of exercise programs for performance improvement.

# 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.

**SCIENCE ELECTIVE CREDIT**  
GH101: Global Health\*

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

**STEM LAB**

.50 Credit

Course #: **SCI115/125**

Prerequisite: None

Grades 9 (Freshman Rotation)

Required/CTE/Lab Science

STEM stands for Science, Technology, Engineering and Mathematics. This course emphasizes solving problems, moving away from well-defined and planned experiments and more towards open-ended, multiple solution, real-world applications in a way that is instructive and fun! Students apply critical thinking skills to justify a solution from multiple design options. This course is intended to stimulate students' ingenuity, intellectual talents, and practical skills in devising solutions to engineering design problems in a project-based learning environment. Students will also be exposed to the industries and career opportunities where these skill sets are most needed in the world today. The most critical skills of communication, collaboration, decision making, and working with positive intention to make positive change will be emphasized in all units of study. **Students must pass with a C or better.**

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**BIOLOGY**

1 Credit

Course #: **SCI200/210**

Prerequisite: C grade or better in STEM Lab

Grades 10-12

Lab Science

A general survey of the physical and biochemical principles associated with living materials; a study of genetics, ecology, zoology, and botany will be discussed.

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**BIOL101: FUNDAMENTALS OF BIOLOGY**

1 Credit

**College Credit: 5 CWU (BIOL101)**Course #: **SCI215**

Prerequisite: C grade or better in STEM

Grades 10-12

Lab Science/Elective

**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.

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**ENVIRONMENTAL STUDIES 201**

1 Credit

**College Credits: 5 CWU (ENST201)**Course #: **SCI130**

Prerequisites: C grade or better in STEM

Grades 10-12

Lab Science/Elective/CTE

**TUITION/FEE \$55/credit (subject to increases by CWU)** "Earth as an Ecosystem." Introduction to the concept of our planet as a finite environment with certain properties essential for life and will explore the dynamic nature of the earth's physical, chemical, geological, and biological processes and their interrelated "systems". Topics include resource use, conservation, and climate change.



**ENVIRONMENTAL STUDIES 202**

1 Credit

**College Credits: 5 CWU (ENST202)**Course #: **SCI135**

Prerequisites: C grade or better in STEM

Grades 10-12

Lab Science/Elective/CTE

**TUITION/FEE \$55/credit (subject to increases by CWU)** "Environment and Society." The physical and cultural dimensions of environmental problems with particular emphasis given to the interaction between ecosystems, basic resources, population dynamics, and culture.

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**AP CHEMISTRY**

1 Credit

Course #: **SCI310**

Prerequisites: Biology, Algebra I, Geometry,

AND/OR concurrently taking Algebra II

Grades 11-12

Lab Science/Elective

Chemistry simulating a typically year-long general chemistry college course. Topics will include atomic structure, stoichiometry, periodicity, molecular bonding, acids and bases, thermochemistry, kinetics, and chemical equilibrium.

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**CHEMISTRY**

1 Credit

Course #: **SCI300**

Prerequisites: Biology, Algebra I, Geometry,

AND/OR concurrently taking Algebra II

Grades 11-12

Lab Science/Elective

A general course covering the basic laws of chemistry related to atomic and molecular theories. The student will be introduced to the following chemical concepts through a laboratory-oriented course: quantum mechanics, chemical stoichiometry, carbon and biochemical principles, chemical equilibrium and acids, oxidation-reduction reactions, periodicity, gas equations, and thermo chemistry.

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**HUMAN BODY SYSTEMS**

1 Credit

Course #: **SCI500**

Prerequisite: Completion of STEM Lab

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.

## **BIOTECHNOLOGY**

1 Credit

Course #: **SCI599**

Prerequisite: C or better in Biology

Grades 11-12

Elective/CTE/Lab Science

An exploration into the fascinating world of modern DNA science and laboratory analysis. The course will provide a hands-on approach in the application of modern DNA science and laboratory analysis to health and biomedical science. During this course you will focus on the application of biological science, biochemistry, and genetics and their importance in the role of modern medicine and society. Topics will include basic laboratory techniques, gene identification, biochemistry, DNA sequencing, clinical trial design and genetic engineering. There will be opportunities to even transform organisms at the genetic level.

---

## **HUMAN PHYSIOLOGY**

1 Credit

**College Credits: 5 CWU (BIOL201)**

Course #: **SCI610**

Prerequisite: Biology or Animal Science (C or better)

Grades 10-12

Elective/CTE/Lab Science

**TUITION/FEE \$55/credit (subject to increases by CWU)** An introduction to the function of human cells, organs, and organ systems as it relates to health and well-being current developments, and society. There will be multiple human physiology research projects throughout this course. Topics include, but are not limited to, respiration, dive reflex, immune response and muscle contraction.

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## **GLOBAL HEALTH**

1 Credit

**College Credit: 5 UW (GH101)**

Course #: **ELT350**

Prerequisite: None

Grades 10-12

Science/CTE/Elective

**TUITION/FEE TBD (subject to increases by UW)** The field of Global Health utilizes the skills and ingenuity of many disciplines and continually requires collaboration to find better solutions. As a student in this course you will learn why the health of people everywhere, including those in other countries, must be of critical concern for all of us. You will learn about the burden and distribution of disease and discover diseases have no boundaries. Specific topics will include emerging and reemerging infectious diseases and antimicrobial resistance, Ebola, Tuberculosis, Malaria, Diarrheal Diseases and neglected Tropical Diseases.

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## **SYSTEMS MEDICINE**

1 Credit

Course #: **SCI620**

Prerequisite: None

Grades 11-12

Science/Elective/CTE

Systems medicine as a field of study requires a new generation of collaborative and interdisciplinary STEM and healthcare professionals trained in biology, engineering, physics, computer science, environmental sustainability, health, big data, and technology. This course will focus on building and deepening interdisciplinary skills for applying biotechnology, biological sciences, biochemistry, genetics, history, technology, engineering, statistics, mathematics, bioinformatics, ethics, systems thinking, and patient-driven advocacy to learn about and explore careers and participation in the health and medical systems in our communities.

## GENERAL PHYSICS

1 Credit

Course #: **SCI400**

Prerequisite: C grade or better in Geometry or concurrent enrollment in Geometry

Grades 10-12

Elective/Lab Science

The purpose of this course is to prepare students for college physics. This course provides an understanding of the basic principles involved with physical concepts and the ability to apply these principles in the solution of problems. The course content includes topics in mechanics, kinetic theory, electricity, waves and optics, and modern physics.

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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.

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## GEOLOGY

1 Credit

**College Credit: 4 CWU (GEOL101)**

Course #: **SCI625**

Prerequisite: None

Grades 9-12

Lab Science/CTE/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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## INTRO TO VITICULTURE

1 Credit

Course #: **SCI550**

Prerequisite: C grade or better in Biology

Grades 11-12

Lab Science/CTE/Elective

This class focuses on the application of scientific and agribusiness principles to the production of grape growing. It introduces information about grapes around the world and their production, plant biology, chemistry, food science, safety, and packaging. It further explores soil research, vineyard production, pest management and follow-up marketing and business practices.

# SOCIAL STUDIES



## 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

**TUITION/FEE TBD (subject to increases by EWU)** 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.

## 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

**TUITION/FEE TBD (subject to increases by CWU)** 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. \*\*\*The cost is \$275 which is \$55 per credit. Also, if you receive a final grade of **B or better** the district will reimburse you \$137.50 (half the tuition). 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.**

**AP PSYCHOLOGY**

1 Credit

Course #: **SOC500/501**

Prerequisite: None

Grades 10-12

Elective

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.

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**CHST 218: CHICANO HISTORY**

1 Credit

**College Credit: 5 EWU (CHST218)**Course #: **SOC455**

Prerequisite: None

Grades 10-12

Elective

**TUITION/FEE TBD (subject to increases by EWU)** This course offers a study of Chicano history 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.*

## GENERAL ELECTIVES



### **CSBS200: INTRO TO LEADERSHIP**

1 Credit

**College Credit: 3 EWU (CSBS200)**

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**

1 Credit

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

Course #: **ELT620**

Prerequisite: Counselor Recommendation

Grades 11-12

Elective

**TUITION/FEE TBD (subject to increases by EWU)** 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. It is the first course in the BA teaching major, prior to admission to the Teacher Certification Program, which combined with the candidate's content endorsement major, culminates in state teacher certification.

Social justices and equity topics are emphasized, explored, and woven throughout this course. The aim of addressing social justice and equity topics is to develop greater awareness, understanding, and, hopefully, advocacy on these issues affecting our students, schools, and communities. The topics range from implicit bias to systemic racism. Classroom discussions, readings, guest teachers, activities, and a student-led book club offer opportunity to grow students' knowledge and skills in this area.

Completion of the Teacher Academy program offers certification as a paraeducator, direct internship experience with a teacher at MOE or CMS, and possible direct admission into CWU's Teacher Education B.A. program.

## GAME PLAN

1 Credit

Course #: **SES300**

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 study and apply lessons from Game Plan, Why Try, the growth mindset, 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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## AP PSYCHOLOGY

1 Credit

Course #: **SOC500/501**

Prerequisite: None

Grades 10-12

Elective

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.

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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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## AP COMPUTER SCIENCE

1 Credit

Course #: **ELT575**

Prerequisite: Successfully completed Intro computer science

Grades 10-12

Elective

### **\*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!



# ELD PROGRAM

## ENGLISH LANGUAGE DEVELOPMENT (EL – English Learners)



### **BEGINNING ELD** 1 Credit

Course #: **ESL100**  
Prerequisite: Teacher placement  
Grade 9-12

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 ELD classes is based on the state's English Language Proficiency standards and their corresponding CCSS. Placement will be determined based on a students' ELPA 21 scores as well as an assessment of their Spanish literacy level.

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### **INTERMEDIATE / ADVANCED ELD** 1 Credit

Course #: **ESL150/200**  
Prerequisite: Teacher placement  
Grades 9-12

This class is intended for students at the Intermediate to Early Advanced level of English proficiency (based off of ELPA 21 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 curriculum for ELD classes is based on the state's English Language Proficiency standards and their corresponding 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.