

# Sam Barlow High School

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**2023-2024**



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## 2023-2024 Academic Program Policies and Requirements

Welcome to the 2023–2024 version of the Sam Barlow High School Academic Program Guide! The purpose of the Academic Program Guide is to provide students and parents with information regarding the policies and procedures involved with the academic program as well as brief descriptions of all required and elective offerings at Sam Barlow High School. You will find a variety of course offerings to explore.

Please recognize that the course offerings identified in this manual are not guaranteed to be offered due to the number of students who forecast for a specific course or budget constraints that may limit available courses or teachers qualified to teach a course.

There is a great deal of flexibility in the educational program during the early years of high school, but generally by the beginning of the junior year the student should focus on his/her post-high school goal. The exception to this is for students who are planning to attend a four-year college or university directly after Sam Barlow High School. Students must select appropriate courses at the freshman year in order to meet college entrance requirements upon graduation from Sam Barlow.

Students are to select classes for both fall and spring semesters. Because teachers will be hired and textbooks and supplies purchased based upon these forecasts, **students will not be able to change classes in the fall** unless the change is needed due to academic misplacement or computer error. OSAA and building guidelines require athletes and activity participants to be enrolled in, and passing at least five classes, both during the season and the semester preceding.

Credit for satisfactory completion of a course is applied to the program area in which the course is located unless otherwise noted. A semester course earns a .50 credit, a full-year course earns 1.0 credit. Equal opportunity is assured students in all courses and discrimination is prohibited by federal laws such as Title IX and the Civil Rights Act of 12802.20.

Please study the Academic Program Guide carefully and make choices reflecting future goals and ambitions. To aid you in this process, we have included two charts (pages 3 & 4) that frame our four-year planning process in relation to your options after high school. Please use this as a reference to help you and your student select classes based on post high school goals.

Teachers, counselors, and administrators are available to help with selections for next year and for the planning of a total high school program. Parents are urged to call the student's counselor at 503-258-4870 for additional information regarding their student's program.

# Post High School Options

The information below has been developed as an outline based on the minimum requirements for enrollment to various colleges and post high school programs. Students may select to engage in the most rigorous and competitive academic program regardless of their post high school choice.

It is our goal to provide the best quality experience for all students so they can engage in a challenging and rewarding academic program.

<b>Private Colleges and Universities; Military Academies</b>	<b>Oregon University System; ROTC</b>	<b>Community College Associates Degree</b>	<b>Technical/Trade School or Certification Program</b>	<b>Military</b>	<b>Workforce</b>
<b>HS Preparation</b> Most Rigorous and Competitive Academic Program	<b>HS Preparation</b> Rigorous Academic Program	<b>HS Preparation</b> College Preparatory Program	<b>HS Preparation</b> College Preparatory Program	<b>HS Preparation</b> College Preparatory Program	<b>HS Preparation</b> Diploma Requirements
<ul style="list-style-type: none"> <li>Advanced Placement Program</li> </ul>	<ul style="list-style-type: none"> <li>Advanced Placement Classes</li> <li>CTE Program Completion</li> </ul>	<ul style="list-style-type: none"> <li>CTE Program Completion</li> </ul>	<ul style="list-style-type: none"> <li>CTE Program Completion</li> </ul>	<ul style="list-style-type: none"> <li>CTE Program Completion</li> </ul>	<ul style="list-style-type: none"> <li>CTE Program Completion</li> </ul>
<ul style="list-style-type: none"> <li>College Now Credits</li> </ul>	<ul style="list-style-type: none"> <li>College Now Credits</li> </ul>	<ul style="list-style-type: none"> <li>College Now Courses</li> </ul>	<ul style="list-style-type: none"> <li>College Now Courses</li> </ul>	<ul style="list-style-type: none"> <li>College Now Courses</li> </ul>	<ul style="list-style-type: none"> <li>College Now Courses</li> </ul>
	Charter School Options <ul style="list-style-type: none"> <li>CAL</li> </ul>	Charter School Options <ul style="list-style-type: none"> <li>CAL</li> </ul>	Charter School Options <ul style="list-style-type: none"> <li>CAL</li> </ul>	Charter School Options <ul style="list-style-type: none"> <li>CAL</li> </ul>	Charter School Options <ul style="list-style-type: none"> <li>CAL</li> </ul>
<ul style="list-style-type: none"> <li>Participation in National Honors Society, Key Club, or other Community Service</li> </ul>	<ul style="list-style-type: none"> <li>Participation in National Honors Society, Key Club, or other Community Service</li> </ul>	<ul style="list-style-type: none"> <li>Community Service</li> </ul>	<ul style="list-style-type: none"> <li>Community Service</li> </ul>	<ul style="list-style-type: none"> <li>Community Service</li> </ul>	<ul style="list-style-type: none"> <li>Community Service</li> </ul>
<u><b>Sample Colleges</b></u> Harvard, Stanford, Lewis and Clark, UC Berkley, Willamette	<u><b>Sample Colleges</b></u> University of Oregon Oregon State Western Oregon Southern Oregon	<u><b>Sample Colleges</b></u> Mount Hood CC Clackamas CC Portland CC	<u><b>Sample Options</b></u> Mount Hood CC Clackamas CC Portland CC Trade School	Armed Forces	Workforce

CTE Classes: Career and Technical Education Classes

College Now Credits: College credits that are transferable to two year colleges and some four year colleges.

CAL: Charter schools in the district for juniors and seniors that offer half-day programs with a specific focus (See page 11 for more information)

## Four Year Plans Based on Post High School Options

The information below has been developed as an outline based on the minimum *competitive* requirements. Students may select to engage in the most rigorous and competitive academic and elective program(s) regardless of their post high school choice. For additional course and department details, please see Course Listings by Department beginning on page 24 of the Program Guide.

Grade Level	Private Colleges and Universities; Military Academies	Oregon University System; ROTC	Community College Associates Degree	Technical/Trade School or Certification Program	Military and Workforce
9 <sup>th</sup> Grade	Pre AP Language Arts 9 Chemistry or Physics Int. Math 2 AP Human Geography World Language	Pre AP Language Arts 9 Physical Science Int. Math 1 or Int. Math 2 AP Human Geography or World Studies World Language	Pre AP Language Arts 9 Physical Science Int. Math 1 World Studies Elective Programs	Pre AP Language Arts 9 Physical Science Int. Math 1 World Studies CTE Program(s)	Pre AP Language Arts 9 Physical Science Int. Math 1 World Studies Elective Programs
10 <sup>th</sup> Grade	Pre AP Language Arts 10 Honors Biology Algebra 2 AP European History World Language	Pre AP Language Arts 10 Biology <b>or</b> Honors Biology Int. Math 2 <b>or</b> Algebra 2 Global Perspectives <b>or</b> AP European History World Language	Pre AP Language Arts Biology Int. Math 1.5 <b>or</b> Int. Math 2 Global Perspectives World Language CTE Program(s)	Pre AP Language Arts 10 Biology Int. Math 1.5 <b>or</b> Int. Math 2 Global Perspectives World Language CTE Program(s)	Pre AP Language Arts 10 Biology Int. Math 1.5 <b>or</b> Int. Math 2 Global Perspectives World Language CTE Program(s)
11 <sup>th</sup> Grade	AP Language and Composition AP Biology <b>or</b> Chemistry <b>or</b> Anatomy Physiology <b>or</b> Marine Biology Pre-Calculus AP US History World Language	English <b>or</b> AP Lang and Comp College Prep English 11 AP Biology <b>or</b> Chemistry <b>or</b> Anatomy Physiology <b>or</b> Marine Biology Algebra 2 <b>or</b> Pre-Calculus AP US History or US History Economics/Government World Language <b>Charter School Options</b> CAL	English <b>or</b> College Prep English 11 Green Science <b>or</b> Environmental Science Int. Math 2 <b>or</b> Algebra 2 US History CTE Program(s) <b>Charter School Options</b> CAL	English Green Science <b>or</b> Environmental Science Int. Math 2 <b>or</b> Algebra 2 <b>or</b> Statistics US History CTE Program(s) <b>Charter School Options</b> CAL	English Green Science <b>or</b> Environmental Science Int. Math 2 <b>or</b> Algebra 2 <b>or</b> Statistics US History CTE Program(s) <b>Charter School Options</b> CAL
12 <sup>th</sup> Grade	AP Literature <b>or</b> Writing 121/122 AP Chemistry <b>or</b> Physics <b>or</b> Untaken Science from Above AP Calculus or AP Stats AP Macroeconomics/ Honors Government World Language Elective Programs	English <b>or</b> AP Literature or Writing 121/122 AP Chemistry <b>or</b> Physics <b>or</b> Untaken Science from Above Pre-Calculus <b>or</b> Calculus <b>or</b> AP Calculus <b>or</b> AP Statistics AP Macroeconomics/ Honors Government or Government and Economics Elective Programs <b>Charter School Options</b> CAL	English or Writing 121/122 Algebra 2 <b>or</b> Pre-Calculus <b>or</b> Statistics Government and Economics CTE Program Completer <b>Charter School Options</b> CAL	English or Writing 121/122 Government and Economics CTE Program Completer <b>Charter School Options</b> CAL	English or Writing 121/122 Government and Economics CTE Program Completer <b>Charter School Options</b> CAL
<b>Sample Options</b>	Harvard, Stanford, Lewis and Clark, UC Berkley, Willamette	University of Oregon Oregon State Western, Southern, Eastern Oregon	Mount Hood CC Clackamas CC Portland CC	Mount Hood, Clackamas, Portland CC Technical and Trade School	Armed Forces Workforce

## High School Graduation Requirements

The district believes that all students will be provided a rigorous and relevant curriculum that will prepare them for success in college and the workforce in the 21<sup>st</sup> century. A diploma is awarded to a student who has satisfactorily completed a minimum of 24 credits as designated below.

**Minimum High School Graduation Credit Requirements**

Subject	Units/ Credits
English/Language Arts	4.0
Social Science	3.0
Fine Arts, Career & Technology Education, World Language	3.0
Mathematics <ul style="list-style-type: none"> <li>● 3 credits must be in Algebra 1 or higher.</li> <li>● Middle school students may earn high school math credit (as long as they receive an A or B) at the Integrated 1 level and higher when available at a district middle school.</li> <li>● Middle school Integrated 1 grades <u>will be counted as part of the high school GPA.</u></li> </ul>	3.0
Science	3.0
Health / Physical Fitness	2.0
General Electives	6.0
<b>Total Required Units/Credits</b> <ul style="list-style-type: none"> <li>● Please note the requirements for the Scholars of Distinction Diploma on page 19 that specify courses and additional requirements to qualify.</li> <li>● Graduates must also meet the requirements for Essential Skills, Portfolio, and Personalized Learning.</li> </ul>	<b>24.0</b>

## Personalized Learning Requirements

In addition to credit, Essential Skill and portfolio requirements, students must:

1. Develop an educational plan and profile.
2. Apply and extend their knowledge in new complex situations related to the student's personal and career interest and post-high school goals through critical thinking, problem solving, or inquiry in real world contexts.
3. Participate in career-related learning experiences.

Requirements may be modified or waived in exceptional circumstances at the discretion of the district.

For more information on Essential Skills, Personalized Learning Requirements, or Diploma requirements, see the Oregon Department of Education website <http://www.oregon.gov/ode>, or the Gresham Barlow School District website [www.gresham.k12.or.us](http://www.gresham.k12.or.us).

## Essential Skill Requirements

Students are required to demonstrate proficiency in certain Essential Skills before they are awarded diplomas. For students first enrolled in Grade 9 in 2010-2011 or later, the three Essential Skills required for graduation are:

- Read and comprehend a variety of text.
- Write clearly and accurately.
- Apply mathematics in a variety of settings.

The district will establish an appeal process in the event of an appeal for the denial of a diploma based on the Essential Skills graduation requirement. The district will retain student work samples and student performance data to ensure that sufficient evidence is available in the event of an appeal.

The State Board approved three assessment options for students to demonstrate Essential Skill proficiency:

- State tests
- Work samples using official scoring guides
- Other approved standardized tests (e.g. SAT, PLAN, ACT, PSAT, Work Keys, Compass, ASSET)

## Essential Skills Definitions

### 1. Read and comprehend a variety of text

*This skill includes all of the following:*

- Demonstrate the ability to read and understand text.
- Summarize and critically analyze key points of text, events, issues, phenomena, or problems, distinguishing factual from non-factual and literal from inferential elements.
- Interpret significant ideas and themes, including those conveyed through figurative language and use of symbols.
- Follow instructions from informational or technical text to perform a task, answer questions, and solve problems. Text includes but is not limited to all forms of written material, communications, media, and other representations in words, numbers, and graphics and visual displays using traditional and technological formats.

### 2. Write clearly and accurately

*This skill includes all of the following:*

- Adapt writing to different audiences, purposes, and contexts in a variety of formats and media, using appropriate technology.
- Develop organized, well-reasoned, supported, and focused communications.
- Write to explain, summarize, inform, and persuade, including business, professional, technical, and personal communications.
- Use appropriate conventions to write clearly and coherently, including correct use of grammar, punctuation, capitalization, spelling, sentence construction, and formatting.

### 3. Apply mathematics in a variety of settings

*This skill includes all of the following:*

- Interpret a situation and apply workable mathematical concepts and strategies, using appropriate technologies where applicable.
- Produce evidence, such as graphs, data, or mathematical models, to obtain and verify a solution.
- Communicate and defend the verified process and solution, using pictures, symbols, models, narrative, or other methods.

### 4. The remaining Essential Skills will be phased-in over subsequent years. The timeline is yet to be determined:

- Speak and present publicly
- Think critically and analytically
- Use technology
- Demonstrate civic and community engagement
- Demonstrate global literacy
- Demonstrate career-related learning standards: communication, problem solving, personal management, teamwork, employment foundations, and career development.

## **Career Related Learning Standards**

The world of work is rapidly changing – existing jobs have become more complex and new jobs demand increased levels of education and training. High school is an important part of a student’s preparation for life and a time of transition to post secondary education, careers, and adult responsibilities.

The required **Career-Related Learning Standards** (CRLS) are met when students complete a series of career activities throughout the four years of high school. These primarily occur in the required Health / Physical Fitness classes. Students will demonstrate successful completion of the CRLS by passing all three semesters of Health / Physical Fitness.

The required **Career-Related Learning Experiences** (CRLEs) are an extension of the CRLS the students work on in their PD and other classes. The students will apply these learned skills in three relevant and rigorous CRLEs. The CRLEs are:

### **Freshmen (Physical Fitness 1): Education Plan**

- Successful completion required for graduation.
- Work with counselors and PD teachers to develop *My 4-Year Plan* in SchoolLinks to direct course selection and post-secondary goal setting.

### **Sophomores (Health 1): Application Packet and Mock Interview**

- Successful completion required for graduation.
- Mock Interview Packet: Includes building a resume, a reference page, a letter of application, a thank you letter, completing a job application and an interview with a community member.
- Understand the Career Related Learning Standards. Reflect on each standard.
- Write a CRLE reflection; this is an essay describing your career related learning experience and reflecting on the career related learning standards.

### **Seniors (Health 2): Extended Application**

- During PD4, seniors will have the opportunity to extend their learning in a post-secondary area of interest.
- Completing the Extended Application is a graduation requirement, and a culminating element of the Personalized Learning requirements identified by the Oregon Department of Education.

## Special Programs

### Honors, Dual Credit, and Advanced Placement Program

The Honors/Advanced Placement Program offers college level learning experiences in the high school environment. The courses give greater opportunity for individual progress and accomplishment, and consequently, require more time and effort. Content of each course is well defined within the confines of college preparation and follows a structured route toward the course goal. Honors, Dual Credit, and AP courses are open to all students who wish to enroll, but students who have not taken a Honors, Dual Credit, or AP course should discuss choices with their teachers and counselors. We encourage all students to challenge themselves with the most rigorous courses we offer at Barlow and welcome them into our highest-level classes.

Plans for course offerings and staffing are made based on student forecasting, so it is imperative that students carefully choose the courses they plan to take the following year. Due to the significance of offerings and staffing, ***students must remain in the courses they forecast to take***. In extreme cases (misplacement, personal challenges, etc.) the request to be removed from a course can be generated by either teacher or the family, in which case it must be done in writing to the appropriate assistant principal. Understand that a seat may not be available, or there may not be a comparable class to transfer into prior to the end of the semester. Placement will be on a space available basis, and thus credit and academic progress could be lost.

### What is Advanced Placement?

The Advanced Placement (AP) Program is a nationwide program of college-level course work and examinations for secondary students. Honors courses are scaffolded in curriculum, instruction, and assessment to prepare for the AP exams and coursework. Honors and Advanced Placement courses not only provide excellent academic preparation for college work, but also present an opportunity for students to earn college credit while still in high school. Students are required to take nationally administered examinations as a culminating assessment of their progress and provide feedback to instructors (Approximately \$93 per exam). Students who qualify for free and reduced lunch may receive a subsidized reduction for AP Exam fees. According to their performance on each exam, those students may receive college credit for that particular course. This also makes it possible for a student who is successful on the exam(s), and in the course(s), to enter college at or near the sophomore level.

### Who Should Enroll in Dual Credit/Advanced Placement Courses?

Students that are interested in these classes, and are motivated and able to attack academic work with zeal, please consider some of the criteria below prior to forecasting:

- Has the student scored well on nationally normed standardized tests and/or the state reading/writing assessments?
- Do the student's grades indicate high achievement?
- Is the student an independent learner? Is he or she an avid reader?
- Does the student have a strong work ethic and personal integrity?
- Can the student be assigned large blocks of work and be relied upon to complete them in a timely fashion?
- Is the student curious about academic pursuits? Is he or she a self-starter?
- Does the student understand the personal commitment and time to complete course work?
- Do the parents/guardians understand that these courses are intellectually demanding?

If the student has academic ability, self-motivation, willingness to work, and meets the course prerequisites, and if his or her parents/guardians and teachers can respond affirmatively to the preceding questions, that student is encouraged to enroll in the Honors/AP Program at Sam Barlow.



## Sam Barlow Career Technical Education

Career Technical Education (CTE) provides students of all ages with the academic and technical skills, knowledge and training necessary to succeed in post-secondary careers and college. CTE gives purpose to learning by emphasizing real-world skills and practical knowledge. It combines regular academic courses with career-focused courses, skill-building, mentoring, and work opportunities to give students extra preparation for college and careers. CTE students do better in class because the hands-on experience makes academic subjects more interesting and engaging. CTE students have significantly higher graduation rates—the national average for CTE students is 90%, compared to 75% for non-CTE students. CTE makes the future affordable by helping families save money and invest their time wisely. CTE students may earn college credit and marketable certifications while in high school, leading to better opportunities after graduation.

### CTE Pathways

Sam Barlow High School offers eight CTE programs of study pathways as defined below. Students who complete 3.0 credits in any pathway are recognized as CTE Program Completers. Completers receive an industry credential certificate, giving them a competitive edge for post-secondary careers or training. Additionally, CTE Completers will be invited to participate in our year-end recognition ceremony and will receive a cord to wear at graduation.

Career Area Arts, Information and Communication		Career Area Human Resources	
<b>Media Arts Pathway</b>	Media Computer Applications I Media Computer Applications II Graphics I Graphics II Graphics III Web Page Development	<b>Early Childhood Education Pathway</b>	Integrated Relationships (formally Family Living) Child Development 1 (formally ECE1) Child Development 2 (formally ECE 2) Intro to Education Education Internships 1 (formally Cadet Teaching 1) Education Internships 2 (formally Cadet Teaching 2)
<b>Computer Science Pathway</b>	Exploring Computer Science Exploring Computer Science 2 Web Page Development Cyber Security Media Computer Applications I Media Computer Applications II		
Career Area Business and Management		Career Area Industrial and Engineering Systems	
<b>Marketing Pathway</b>	Introduction to Business Marketing 1-2 Marketing 3-4 Marketing 5-6 Success through Technology Hospitality & Tourism	<b>Construction Technology Pathway</b>	Introduction to Woods Furniture Technology Cabinet Making Mastery Cabinet Making Construction Team I Construction Team II Applied Woods Technology
<b>Hospitality, Tourism/Culinary Pathway</b>	Intro to Culinary Arts Culinary Arts I Culinary Arts II Culinary Arts III Culinary Arts IV Culinary Independent Studies Hospitality & Tourism		
		<b>Engineering Technology Pathway</b>	Introduction to AutoCAD Architectural Drawing I Architectural Drawing II Engineering Drawing I Engineering Drawing II 3D AutoCAD 3D Model Building
		<b>Manufacturing Technology Pathway</b>	Exploring Metals Machining I Machining II Welding I Welding II Independent Study of Metal Technology

## College Articulated Courses

Students at Sam Barlow High School can earn college credit through Mount Hood Community College, Western Oregon University, Oregon Institute of Technology, and Clackamas Community College from approved Sam Barlow teachers. If a student enrolls in one of the following courses at Barlow (see list below), they have the opportunity to earn both high school and college credit. The requirements for college credits are as follows:

For College Now Courses through Mt. Hood Community College:

- Students must be admitted as an MHCC student. This is done through the MHCC website.
- Students must register on-line for each course through their MyMHCC account.
- Some courses may require a specific grade for the course in order to earn credit.
- Sam Barlow teachers submit grades to MHCC.
- Grades submitted are transcribed to the student's permanent MHCC college transcript.

To maximize the power of the credits earned, we advise students to focus on college articulated courses that apply toward their intended degree or certificate program goals. Students should also become familiar with the degree or certificate requirements at the post-secondary institution they plan to attend.

**College Now: Dual Credit** courses apply to a variety of degree and certificate programs for both academic transfer and career technical education programs. It is up to the receiving post-secondary institution to determine how courses will be accepted toward specific degree/certificate programs or as general elective credit. Credits earned are generally accepted at most community colleges and universities.

**OIT or WOU** courses apply to a variety of degree and certificate programs for both academic transfer and two and four year degree programs. These course will transfer to any public four year school in Oregon and will factor into a student's college grade point average. Students will enroll in these college courses within their high school class at no charge to the student.

## College Articulated Courses

MHCC Course Number	MHCC Course Name	MHCC Credit	Barlow Course Name	Teacher
IMTL 171, 172, 173	Welding	3	Welding 2	Ingoglia
MTH 243, 244	Statistics I, II	8	AP Statistics	Duncan
BI 100	Survey of Body Systems	4	Anatomy Physiology	Anderson
BI 103	General Biology III	4	Marine Biology	Eckrich
WR 115/R117	Writing 115 Reading 117	7	College Prep English	Pohl
WR 121/122	English Composition	4/4	Writing 121/122	Pohl
HD199	College Success	1	AVID 12	Staff
ISTM183C	Fund. of Cyber Sec.	3	Cyber Security	Molony
CCC Course Number	CCC Course Name	CCC Credit	Barlow Course Name	Teacher
FR 201-203	French I, II, III	12	French 7-8	Kopperman

MHCC: Mount Hood Community College

CCC: Clackamas Community College

## College Articulated Courses

OIT Course Number	OIT Course Name	OIT Credit	Barlow Course Name	Teacher
HST 201 - 203	US History: Pro-Colonial - 1840 US History: 1840-1917 US History: 1910-Present	12	AP US History	A.Pate
ECON 202	Macroeconomics	3	AP Macro Economics	Heiser
MTH 111 - 112	Pre-Calculus 1: Elementary Functions Pre-Calculus II: Trigonometry/Geometry	8	Pre-calculus	Holliday
MTH 251-252	Calculus I, II	10	AP Calculus A/B	Holliday
WOU Course Number	WOU Course Name	WOU Credit	Barlow Course Name	Teacher
ED 200	Foundations of Education	3	Early Childhood Education 2	T. Pate
ED 220	Intro to Early Childhood	6	Cadet Teaching 1 / 2	T. Pate
SPAN 101 - 103	First Year Spanish	12	Spanish 7/8	Inglesby

OIT: Oregon Institute of Technology

WOU: Western Oregon University

## FAST TRACK: Future Apprenticeships Students of the Trades Pre-Apprenticeship Program

Sam Barlow High School has partnered with various local construction and manufacturing businesses and unions to offer a pre- apprenticeship opportunity for our construction and metals / manufacturing students. Through the Oregon Bureau of Labor and Industry, Sam Barlow is proud to offer this certificate for those students who are able and willing to complete a rigorous Career and Technical program of study in construction and / or metals and manufacturing. Applications are available through our Career and Counseling Center. Students leave the program with a pre-apprenticeship certificate as well as knowledge and skills that will propel them forward in their pursuit of a career in the trades.

## Additional Credit Options

Option	Location	Required/ Elective	Make-up/ 1st Time/	Procedure
Summer School	MHCC Barlow	R	M	Prior approval through counselor; pay MHCC
		R	M	Prior approval through counselor; pay SBHS bookkeeper
Correspondence Courses	Home	R/E	M/1 <sup>st</sup>	Prior approval through counselor; student pay accredited institution
College Classes	MHCC Other	R/E	M/1 <sup>st</sup>	Prior administrative approval; student must pay institution

## College Courses for High School Credit

High school students may attend classes at Mt. Hood Community College with prior administrative approval for courses that are not offered at Sam Barlow High School. Approved courses taken at MHCC will be counted based on three college quarter hours equal to 0.5 unit of high school credit. The student must pay for books, fees, and transportation costs and tuition.

## **Correspondence Courses**

Students who have either been given permission to pursue early graduation, have failed required courses, or are not earning the necessary number of credits toward graduation may complete some of their course work via correspondence courses. Actual registration, payment of fees, and other transactions are the responsibility of the student, who is expected to communicate directly with the school offering the desired course upon receiving prior approval from the counselor. Correspondence courses offered by an accredited institution that match existing Sam Barlow curriculum and are approved in advance by the student's counselor will be accepted for credit. Students who do not get advance approval run the risk of completing a class that does not match a Sam Barlow course and thus would not be awarded credit. Seniors planning to apply correspondence credits toward graduation must complete course work and take examinations at least three weeks prior to graduation. In order to participate in commencement exercises, transcripts of credits earned through correspondence courses must be on file with the registrar 14 days prior to the commencement date.

## **Summer School Courses**

Students will have the opportunity to make-up classes they did not pass during the summer at Sam Barlow High School. Students will need to work with their counselor and get information regarding summer school in the late spring so they are able to sign up.

## **Support for College Credits**

All Gresham-Barlow students who qualify for free or reduced lunch can have fees associated with Advanced Placement Exams reduced. Please see the bookkeeper for additional information.



Focused on career technical education, CAL offers students access to transferable credits for both high school and college. Last year alone, more than 3719 college credits were awarded to CAL students for free! That’s an overall savings of \$397,000 for tuition!

CAL business partners mentor students both in and outside of the classroom. Seniors can complete up to 50 hours (often more) of work-site experience. Juniors and seniors can access industry certifications in several programs. Students learn from experiences gained through CAL classes, their college coursework, and their work experience.

High School students interested in CAL choose from one of our industry-driven and college-accredited program areas: ChangeLab (Entrepreneurship/business), Computer Information Systems, Fab Lab (fashion, art and branding), Digital Media & Design, Mechanical Engineering & Manufacturing, and Health Sciences: Medical or Dental.

CAL juniors and seniors spend half of their high school day at CAL and the other half at their home high school, which allows them to maintain their commitment to core subjects not offered at CAL, sports, and activities. Transportation is provided between CAL and the students’ home high school free of charge. High school students can begin the CAL application process as early as December of their sophomore year. Current juniors who are not currently CAL students may also apply to participate at CAL during their senior year.

CAL applications are available on the CAL website: [www.calcharter.org/apply/](http://www.calcharter.org/apply/)

## 2023-2024 CAL PROGRAMS & CLASSES

<b>CHANGElab- <i>Entrepreneurs create their own businesses!</i></b> In partnership with local business leaders and mentors, students will identify a problem and move it to a solution by creating a real business during Year One. In Year Two, emphasis is placed on growth leadership and launching your business!	
<u>Year One – (AM or PM CAL Schedule)</u> Marketing – 1.0 credit Launch Pad – 1.0 credit Launch Lab I – 1.0 credit English – 1.0 credit	<u>Year Two (AM or PM CAL Schedule)</u> Investing 101 .5 credit + CHANGElab II – .5 credit CHANGElab I – 1.0 credit Senior Studio– 1.0 credit English – 1.0 credit
<b>College credits available: 23 Lower Division Transfer Credits</b>	
<b>Computer Information Systems - Gain valuable coding skills that lead directly to Tech Careers such as programming and cybersecurity. Students will learn the basics of different operating systems, networking, programming, scripting, security techniques, and ethical hacking.</b>	
<u>Year One (PM CAL Schedule)</u> Cybersecurity I – 1.0 credit Programming I – 1.0 credit Web Programming – 1.0 credit English – 1.0 credit	<u>Year Two (AM CAL Schedule)</u> Cybersecurity II – 1.0 credit Programming II – 1.0 credit Server Side Programming – 1.0 credit English – 1.0 credit
<b>College credits available: 11 CTE credits and 16 Lower Division Transfer Credits</b>	

<b>Dental Health Sciences – Earn certification in Dental Radiology and be a Dental Assistant!</b> Learn basic patient care using dental equipment and charting, and obtain certification. Classes are aligned to college training programs.	
<u>Year One (PM CAL Schedule)</u> Medical Terminology – 1.0 credit Medical Biology – 1.0 credit Dental Applications & Practices I – 1.0 credit English – 1.0 credit	<u>Year Two (AM CAL Schedule)</u> Anatomy & Physiology – 1.0 credit Dental Applications & Practices II – 1.0 credit Dental Radiology – 1.0 credit English – 1.0 credit

**College credits available: 6 CTE credits and 20 Lower Division Transfer Credits**

<b>FAB Lab- Fashion, Art, and Branding- Design and build your own apparel line!</b> Students interested in designing apparel, accessories, and wearable technology learn all the skills necessary in this program.	
<u>Year One (AM or PM CAL Schedule)</u> Design & Draw – 1.0 credit History of Fashion - 1.0 credit Visual Presentation – 1.0 credit English – 1.0 credit	<u>Year Two (AM or PM CAL Schedule)</u> Product Innovation – 1.0 credit Design2Fab Lab – 1.0 credit Senior Studio – 1.0 credit English – 1.0 credit

**College credits available: 16 Lower Division Transfer Credits**

<b>Media Lab (formerly Digital Media and Design) – Build a professional portfolio!</b> Learn to create and design graphics, photography, broadcast television/podcast shows using state-of-the-art digital photo and film/video/audio equipment. Work alongside experts in the creative services industry!	
<u>Year One (AM or PM CAL Schedule)</u> Digital Photography/Imaging – 1.0 credit Web Development – 0.5 credit/Marketing – 0.5 credit Video Production – 1.0 credit English – 1.0 credit	<u>Year Two (AM or PM CAL Schedule)</u> Senior Studio – 1.0 credit Graphic Design – .5 credit & Advertising – .5 credit Digital Art I & II – 1.0 credit English – 1.0 credit

**College credits available: 5 CTE credits and 20 Lower Division Transfer Credits**

<b>Health Sciences, Medical – Learn basic patient care using medical equipment and charting, and obtain certification. Classes align with college training programs for physicians, therapists, nurses, medical assistants, researchers, and veterinarians.</b>	
<u>Year One (AM or PM CAL Schedule)</u> Medical Terminology I – 1.0 credit Medical Biology – 1.0 credit Applications & Practices in Health Care I – 1.0 credit English – 1.0 credit	<u>Year Two (AM or PM CAL Schedule)</u> Anatomy & Physiology – 1.0 credit Senior Capstone – 1.0 credit Applications and Practices in Healthcare II – 1.0 credit English – 1.0 credit

**College credits available: 6 CTE credits and 20 Lower Division Transfer Credits**

<b>Mechanical Engineering &amp; Manufacturing - In partnership with local experts, learn to design (CAD) and produce solutions to problems like an Engineer! Use of hand tools, measuring devices, welding, and milling metals. Program approved as Pre-Apprenticeship! Access earned hours at Cascade Corporation!</b>	
<u>Year One (AM CAL Schedule)</u> Computer-Aided Design I (CAD – 1.0 credit Manufacturing Lab I – 1.0 credit Introduction to Engineering – 1.0 credit English – 1.0 credit	<u>Year Two (PM CAL Schedule)</u> Computer-Aided Design II (CAD – 1.0 credit Manufacturing Lab II – 1.0 credit Senior Studio – 1.0 credit English – 1.0 credit

**College credits available: 6 CTE credits and 20 Lower Division Transfer Credits**

<b>CAL Morning Schedule</b>		<b>CAL Afternoon Schedule</b>	
<b>A Day – Periods 1 &amp; 2</b>	<b>B-Day – Periods 5 &amp; 6</b>	<b>Home High School Morning Schedule</b>	
<b>Home High School Afternoon Schedule</b>		<b>A Day – Periods 3 &amp; 4</b>	<b>B-Day – Periods 7 &amp; 8</b>

*\*All classes are subject to change due to articulation agreements with MHCC and incoming enrollment.*



1394 NW Civic Drive • Gresham, OR 97030  
503.258.4790 • FAX 503.618.0527 [www.mewebacademy.org](http://www.mewebacademy.org)



## **Metro East Web Academy**

503.258.4790     [mewebacademy.org](http://mewebacademy.org)

Students access our tuition-free curriculum via the internet with their own computer or a loaner laptop available through the Web Academy to full-time students.

**Flexible Schedule:** The Web Academy utilizes Florida Virtual Schools curriculum, along with links to other online learning resources to provide courses that meet the needs and interests of a wide variety of students. Students are able to study at a convenient time for them, but do need to take part in virtual labs in their core classes.

**Dual Credit Options:** The Web Academy offers an early college experience through Metro East Early College Academy (MEECA). This early college program provides students with the opportunity to earn both high school and college credits while attending Mount Hood Community College, Portland Community College, or Clackamas Community College. Also, our community college approved instructors offer dual credit courses through the College Now Program at Mount Hood Community College or Clackamas Community College.

**GED Options Program:** The Web Academy offers an online GED program with post-secondary transition support. The GED program is great for juniors and seniors who are very behind in credits.

**Family Engagement Team:** Our family engagement staff often create individualized learning plans with students and closely monitor their progress while providing support. This support may include one-on-one instruction or small group meetings through support lab. Support may be offered via email, phone calls, or virtual meeting places, such as, Adobe Connect.

**Peer Interaction:** The Web Academy offers clubs, labs, field trips, and community service activities to allow students to get together with fellow Web Academy students. Students enrolled in Web Academy have opportunities to take one elective course at their neighborhood school\* and may participate with their peers in sports and clubs at their neighborhood school.\*

**CTE Options:** Students at MEWA can take part in three different CTE pathways and a fourth, which is in development. These pathways offer students the opportunity to hone their skills in certain work areas before entering the workforce or college. This gives students an advantage over some who may not have taken these pathways in high school. The pathways are:

**Graphic Design which includes Digital Photography**

**Business Management/Hospitality and Tourism**

**Health** (in development)

### **Elective Courses at MEWA may include:**

Astronomy

Extended Study

Healthy Cooking

Psychology

Writing 115\*\*

Art 115\*\*

Computer Science

Food Safety

Literary Journal

Digital Photography

Writing 121\*\*

Business Admin 101\*\*

Creative Writing

Forensic Studies

Personal Finance

Sociology

Writing 122\*\*

Personal Finance 218\*\*

## College Entrance Requirements for the Class of 2024

The tables below list the core subject requirements that students must complete in high school in order to earn a diploma from Sam Barlow as well as to meet the course requirements for entrance to the Oregon University System (OUS): University of Oregon, Oregon State University, Eastern Oregon University, Oregon Institute of Technology, Portland State University, Southern Oregon University, and Western Oregon University. Students who anticipate attending a four-year college or university after high school, whether private or public, must make course selections very carefully beginning the freshman year. Far too frequently, a senior will suddenly realize that he/she has not planned appropriately and enters the senior year not prepared to meet all of the entrance requirements.

<b>SBHS graduation requirements</b>		<b>Oregon Public University- Freshman admission requirements (Minimum)</b>	
<b>Subject</b>	<b>Credits</b>	<b>Subject</b>	<b>Credits</b>
All courses must be passed with a "D" or above		All courses must be passed with a "C" or above	
English	4.0	English	4.0
Social Science Three credits that must include one credit in each: US History, Government/Economics, and Global Perspectives or AP European History or AP Human Geography.	3.0	Social Science	3.0
Mathematics Must include Int. Math 1 and above. An additional credit is highly recommended during senior year.	3.0	Mathematics Minimum of Int. Math 3 level completion (or higher) to meet the math requirement.	3.0
Science Shall include a year each in two fields of college preparatory science such as biology, chemistry, physics, earth or physical science.	3.0	Science Shall include one year each in two different fields of science	3.0
		Second Language At least two years of the same Second Language	2.0
<b>Total Required Subject Credits</b>	13 credits	<b>Total Required Subject Credits</b>	15 credits
To be a competitive applicant, students are encouraged to take additional math, science, social science, and foreign language as electives beyond the required core credits.		Please see Oregon's Higher Education Coordinating Commission (HECC) for more information about the state's public universities or visit each individual college's website for more information.	

## Other College Entrance Information

UO	OSU	PSU	SOU	WOU	EOU	OIT
3.0 Look at SAT/ACT score and GPA* Application essays required of all applicants	3.0 Look at SAT/ACT score and GPA* Requires insight Resume	2.5 Look at SAT/ACT score and GPA*	2.5 Look at SAT/ACT score and GPA*	3.0 Look at SAT/ACT score and GPA* Letter of Recommendation required	2.75 Look at SAT/ACT score and GPA*	2.5 (2.5-2.99 additional review required) Look at SAT/ACT and GPA*

\*Students must earn at least a "C" in ALL core subjects. Additional campus review required if above GPA's are not met

## Other College Entrance Information

### PSAT, SAT or ACT

The PSAT, a practice SAT test, is **offered one time each year** (at SBHS) in mid-October. This exam is required for sophomores and paid for by the district. Freshmen and juniors may sign up for a fee and take the test. SAT and ACT tests are offered monthly throughout the Portland area. Registration forms are available in the College and Career Center. Students wishing to qualify for National Merit Scholar recognition must take the PSAT as a junior, sophomore scores will not be considered. It is highly recommended that four-year college bound students take the SAT/ACT during the **spring of their junior year**. See [www.collegeboard.com](http://www.collegeboard.com) or [www.actstudent.org](http://www.actstudent.org) for further information and on-line registration (our school code is 380432).

For more information go to the Sam Barlow website: [www.gresham.k12.or.us/sbhs](http://www.gresham.k12.or.us/sbhs)

Click on Student Resources: College and Career Center.

### College and Career Center

The SBHS College and Career Center is available to help students with the research and development of post-high school plans. The College and Career Center is open during the school day, including lunches. Services offered include:

- Information/assistance with scholarship and college admission applications
- Career Fair (Spring)
- Job shadows, mentorships, internships, community service, and Cooperative Work Experience programs
- College and military recruiters
- Community service and job posting boards
- Information on college testing-PSAT, ACT, SAT
- ASPIRE Program

### ASPIRE

The ASPIRE program is a volunteer program from the Oregon Student Assistance Commission that helps students plan for educational opportunities beyond high school graduation. This program will assist students and parents in preparing for life after high school, 2-4 year colleges, apprenticeships, military, and/or career/technical trades. Let ASPIRE show you how to access these student assistance programs.

Examples of events scheduled for all college-bound students and parents:

- **Scholarships:** Discussing how to search, the need to get started now, and have a work session on developing an activity chart and tips to assist in writing an effective essay.
- **Choosing careers and colleges:** Learn how to compare and contrast their differences. The work session will focus on essays, letters of recommendation, and applications.
- **Financial Aid:** A financial aid professional visits Barlow in the fall.
- **The Next Steps:** What do I want to do after graduation and how do I begin preparing?

We use School Links for information about work, education/training, financial aid and college applications (including the Common Application).

For more information on the SchoolLinks platform, go to the Sam Barlow website: [www.gresham.k12.or.us/sbhs](http://www.gresham.k12.or.us/sbhs) and Click on Students and then SchoolLinks. Your student’s counselor is available to answer any questions that you have about this program.

User Name: student’s school email  
 Password: student’s ID #

## NCAA Freshmen-Eligibility Standards

*The Initial Eligibility Standards for NCAA Division I  
 College-Bound Student Athletes*

### Division I

College-bound student-athletes first entering an NCAA Division I college or university will need to meet the following academic requirements in order to receive athletic scholarships, practice, and/or compete during their first year.

#### Division I Requirements

Full Qualifier	Academic Redshirt	Non-qualifier
Complete 16 Core Courses: <ul style="list-style-type: none"> <li>● Ten of the 16 Core Courses must be complete before the 7<sup>th</sup> semester (senior year) of high school</li> <li>● Seven of the 10 core courses must be in English, Math, or Science</li> <li>● These seven courses are “locked in” at the start of the 7<sup>th</sup> semester (cannot be repeated for GPA improvement to meet initial-eligibility requirements)</li> </ul>	Complete 16 Core courses	Does not meet requirements for Full Qualifier or Academic Redshirt status
Minimum Core-Course GPA of 2.30	Minimum Core-Course GPA of 2.00	
Graduate from high school	Graduate from high school	

Visit [www.eligibilitycenter.org](http://www.eligibilitycenter.org) for sliding scale GPA/Test score & Core course information

*Full Qualifier:* College-bound student-athletes may receive athletics scholarships, practice and compete in the first year of enrollment at an NCAA Division I school.

*Academic Redshirt:* College-bound student-athletes may receive athletics scholarships in the first year of enrollment and may practice in the first regular academic term (semester or quarter) but may NOT compete in the first year of enrollment. After the first term is complete, the college-bound student-athlete must be academically successful at his/her college or university to continue to practice for the rest of the year.

*Non-qualifier:* College-bound student-athletes cannot receive athletics scholarships, cannot practice and cannot compete in the first year of enrollment at an NCAA Division I school

## **Core Grade-Point Average:**

Only core courses that appear on Sam Barlow's list of NCAA approved classes will be used to calculate your core-course GPA. Be sure to look at each content area in the course catalogue to ensure that you are taking all NCAA approved core classes. You may also want to consult with your counselor.

## **Division I Initial Eligibility Requirements**

To study and compete at a Division I school, **you must earn 16 NCAA-approved core-course credits**, earn a minimum 2.3 core-course GPA and submit your final transcript with proof of graduation to the Eligibility Center. See below for the list of the 16 core courses that must be taken for eligibility.

### **16 Core Courses:**

- 4 years of English.
- 3 years of mathematics (Int. Math 1 or higher).
- 2 years of natural/physical science (1 year of lab if offered by high school).
- 1 year of additional English, mathematics or natural/physical science.
- 2 years of social science.
- 4 years of additional courses (from any area above, foreign language or non-doctrinal religion/philosophy)

## **Division II Initial Eligibility Requirements**

Division II athletes must earn a core-course GPA of at least 2.2 to be a full qualifier. See the NCAA eligibility center (or your counselor) for more information.

For more information regarding NCAA rules and eligibility  
visit the  
NCAA Eligibility Center website at [www.eligibilitycenter.org](http://www.eligibilitycenter.org)

## Sam Barlow Scholars of Distinction Recognition/Award

The Sam Barlow High School Scholars of Distinction is designed to honor academically well-rounded students who have pushed themselves to excel in the most challenging of four-year educational programs. For students who are self-directed and desirous of a balanced and challenging program, the Sam Barlow Scholars of Distinction is well worth the effort!

### Earning the Sam Barlow Scholars of Distinction

Students must qualify for this diploma based on the following criteria. Students must remain enrolled in their advanced courses through their eighth semester, as their final GPA and class ranking will be determined by their **highest GPA with the Scholars of Distinction** final grade report. **Valedictorian and Salutatorian are students who have the first and second highest GPA and also qualify as Scholars of Distinction.** Counselors will help you plan and forecast, but you are responsible for monitoring and ultimately achieving this distinction.

### Requirements:

1. Earn a cumulative GPA of at least a 3.50 at the end of their eighth semester.
2. Earn a minimum of 25 credits, at least eight (8) listed below (1 of which can be Pass/No Pass).
3. Complete 2 years of a second language.
4. Successfully complete graduation requirements for Essential Skills, Personalized Learning, and completed all Statewide Assessments in English Language Arts, Mathematics, and Science.
5. Active participant in at least one co-curricular activity (e.g. sports, clubs, theatre, student government, music, etc.)
6. During the junior year forecasting process, students should complete the Scholars of Distinction Application/Planning Sheet in order to be considered during their senior year for qualifications.

\*Transfer students and possible policy exceptions must be presented to the Scholars of Distinction Review Board prior to the end of the 7th semester. Changes to total credit requirements by the School Board may modify the requirement.

## Scholars of Distinction Advanced Courses

### CTE

- 3-D Model Building (.5)\*\*
- Mastery Cabinet Making (.5)
- Education Internships 1&2 (1.0)\*\*
- Construction Tech 2 (.5)
- Culinary Arts 4 (.5)
- Culinary Independent Studies (.5)
- Graphic Arts 3 (.5)\*\*
- Machining 2 (.5)
- Marketing 5-6
- Welding 2 (.5)\*\*
- Independent Study of Metals (.5)

### Electives

- AVID 11
- AVID 12
- Bruin Banner
- Student Council Leadership\*\*
- Yearbook\*\*

### ENGLISH

- AP Language
- College Prep English 11
- AP Literature
- Writing 121/122

### FINE ARTS

- Barlow Sound\*\*\*
- Concert Choir\*\*\*
- Drawing 3 (.5)\*\*
- Jazz Band\*\*\*
- Painting 3 (.5)\*\*
- Symphonic Band\*\*\*
- Theatre 5-6, 7-8

### MATH

- AP Calculus (AB and/or BC)
- AP Statistics
- Calculus
- Pre-Calculus
- Algebra 2

### SCIENCE

- AP Biology
- AP Chemistry
- Anatomy/Physiology
- Chemistry
- Marine Biology
- Physics

### SOCIAL STUDIES

- AP European History
- Honors Government/AP Macro
- AP US History
- AP Human Geography

### WORLD LANGUAGE

- French 5-6, 7-8
- Spanish 5-6, 7-8
- Heritage Spanish (1.0)\*\*
- STAMP Test Level 3 or 4\*\*

### CHARTER SCHOOL COURSES

#### CAL

One credit per program year

- Physics\*
- Anatomy & Physiology\*
- WR 115/ENG 104
- WR 121/WR 122

\*Courses cannot be taken at CAL and Barlow (e.g. Physics)

\*\* One year only

\*\*\*Music: Max 2 credits can be used.

## General Information

### Late Arrival/Early Release

Seniors who are on-track to graduate may forecast for Late Arrival or Early Release. Students must have their own transportation, and may not be on campus during these periods. Three violations of these conditions, as well as behavior/attendance violations could result in revocation of the Late Arrival and Early Release privilege. Juniors who are on track for graduation and have a GPA of a 3.5 or higher may submit a letter of request to their assigned assistant principal to request to take Late Arrival or Early Release.

### Independent Study – Grade 10, 11 and 12 only

Students must sign in with the IS supervisor in their assigned classroom and then can receive a pass to go to the Media Center for research. Time is spent at the discretion of the individual. **The student may not leave campus, may not be in the halls, and must report to an area before the tardy bell rings.**

### Fees

Studio/shop fees are charged in some classes (art, foods, and CTE courses) when the material(s) used are kept by the student. In no case, however, should a fee prevent a student from taking a class he or she wishes. Any student unable to pay a fee should see an administrator. Under circumstances where the fee is waived, projects used to teach the course content might be kept by the school. In these cases, projects required of the student may be limited in expense but still provide the student the same opportunity to learn as others in the class.

### Minimum Number of Courses

Unless special circumstances are arranged through an administrator, students must be registered for a minimum of four courses and be on-track to graduate to be considered full-time students. In addition, any student participating in a co-curricular activity/OSAA Athletic Activity **MUST** be enrolled in and passing five courses that earn credits. This is true for both the prior semester to participation, as well as the current semester the student is participating in that activity or athletic activity.

### Dropping Core Courses:

Core classes are required for graduation and will only be dropped through administrator approval. Usually administrative drops will not be eligible for credit recovery. Administrative drops will result in the course being added to the transcript as an F. Thus, the transcript will be credit deficient, and the student will need to retake the course (no credit recovery option).

### Dates and Deadlines for Adding/Dropping Elective Courses

**First and second week of semester:** Attend first week of classes as forecasted until you are notified of a drop or change. Counselors will only meet with students to remedy scheduling errors during these weeks. Fill out the add/drop form and submit to your counselor. This is the last week to add a teacher assistant (TA).

**Third week of semester:** Students cannot drop core or elective classes, unless an unusual circumstance warrants an administrative exception or drop. Last week to drop a class not needed for graduation with no penalty.

**Beyond the third week of semester:** No credit will be assigned, and the course will receive an “F” on the transcript, thus, the transcript may be credit deficient for credit requirements. Students may write an appeal to their administrator to have a W (withdraw) versus and F if unusual circumstances apply.

Reasons for exceptions include:

1. Extended illness or health issues.
2. Extenuating family problems.
3. Caution: Transfer students entering a course late can be held responsible for material previously covered.

### **Pass/No Pass**

Certain elective courses offer the student an option to receive a grade of “Pass” or “No Pass” instead of a letter grade for some classes.

- P/NP can only apply to an elective course (e.g. a fourth year math or science would qualify as an elective).
- Only one class per year for 1.0 credit can be a P/NP.
- If a student decides during the semester he/she wants to choose this grading option, the **end of the tenth week** is the last time to request the pass/no pass grading option.
- Pass/No Pass is not recommended for 4-year college-bound students.
- A student must apply each semester of a year-long class for pass/no pass status.
- Students wishing to be Scholars of Distinction can only take one of the advanced classes as pass/no pass.

### **Teacher Assistant/Office Aide**

Students may only sign up to be a teacher assistant and/or office aide with the prior approval of the staff member who will directly supervise them. Staff can only have one TA per period, unless approved by administration. Other limitations are that a student may only be an assistant/aide one period per semester, and can only earn a total of 1.0 credit for being an assistant/aide. Any additional credit desired must be approved by an administrator. Students must be in good standing, that is having no major discipline referrals or attendance issues. Assistant principals will approve exceptions. If a student commits a violation of the school rules or creates a disruption that is severe or repetitive in nature, they may be reassigned (e.g. office aide to a teacher aid) or administratively dropped from their position as TA and lose credit.

### **Transcripts**

Students who require that an official transcript sent to a College or University need to add this request to their SchoolLinks account, which will allow their counselor to send their transcripts for free. The directions for adding colleges to SchoolLinks are on the Counseling page of the website, labeled *SchoolLinks College Applications*. Students will indicate in SchoolLinks, which college they plan to attend, and we will send the final transcript for free.

If a student needs an unofficial copy of their transcript, they can download a copy from their SchoolLinks account, by choosing the School Icon on their main screen and then Transcript Requests.

Alumni can order a copy of their transcript on the SBHS website by clicking on *Student* and then *Transcripts*. There is a \$2 fee for each copy.

### **Reconsideration of Materials and Alternative Assignments**

The school recognizes that even though great care and consideration are given to the selection of materials for use at Sam Barlow High School, there will be times when parents wish to express concern about school materials. If the concern focuses on a parent’s desire for an alternative assignment, he/she may request such an assignment by contacting the teacher or department chairperson. If the request is denied, an appeal procedure is available through administration.

## Alternative Programs

The Alternative Program options are generally available to Sam Barlow High School students who have met placement requirements. Due to funding limitations, space is limited in most of these options. Information that is more specific is available from the counseling staff.

**Gresham-Barlow Teen Parent Program:** An in-school program at Gresham High School for pregnant and parenting teens includes full school day childcare for infants and toddlers as well as parenting classes. Transportation is provided for eligible Barlow students.

**Springwater Trail High School:** Springwater Trail is a small high school offering a comprehensive high school experience for students who would thrive in a smaller educational setting. Further information can be obtained from Springwater Trail at 503-261-4600. Entrance is by application and space availability.

**Oregon National Guard - Youth Challenge Program (OYCP):** This is a six-month residential program in Bend. Students may receive a GED or High School diploma depending on circumstances. There is no charge for this program. Students must be 16-18 years old. For more information, go to <http://www.oycp.com>.

**Adult High School Diploma:** Is a program available through MHCC, Portland Community College, and Clackamas Community College. A student must be 16 years of age and obtain a release from compulsory education form from local high school. Family pays tuition costs.

**REY:** Re-Engaging Youth is a Gresham Barlow School District program on the Gresham High School Campus. This program utilizes small class sizes and a combination of both online and face-to-face instruction in order to reconnect students to school. There is often a waiting list to enroll in this program and considerable time is taken to ensure that this is the best option for students.

**Rosemary Anderson High School:** The student and their family must schedule an appointment for a meeting with the School Social Worker for a referral. Often there is a waiting list to get in. It offers a more whole-life support to complete either a high school diploma or a GED. Rosemary Anderson offers wrap-around services, as well as transition services after graduation. It offers smaller class sizes and more one-on-one instruction.

**Mt. Hood Community College ABE/GED:** The Adult Basic Education or General Education Development is available to students over 16 years of age who have withdrawn from school and have a release from compulsory education form signed by parent, student, social worker, and assistant principal or principal. The student should register for this program through their school social worker. Successful completion may qualify for a 7-credit scholarship from MHCC. Classes are offered in both Spanish and English. For low-income students, there is also the additional option of going through Project YESS, which provides more support. For more information, go to <http://www.mhcc.edu/ged>

**Job Corps:** A training program available to students ages 16-22. Students may live at home (if near a Job Corps center) or on site. Students receive pay while enrolled in the program. A GED or high school diploma can be earned while enrolled in the program. The student's Barlow counselor can be of assistance with information on the program. For more information, go to <http://www.jobcorps.gov/home.aspx>.

**Metro East Web Academy:** Is a tuition-free public charter school where students work online at their own pace in grades 6-12. If you would like more information, call 503-258-4790 or go to [www.mewebacademy.org](http://www.mewebacademy.org).

**Portland Youth Builders (PYB):** PYB is a weekday program that alternates between academic studies and vocational training in either green construction or computer technology. Students receive career development skills, leadership opportunities, and long-term support. Students can earn either a high school diploma or a GED. For more information, go to [www.pybpdx.org/index.html](http://www.pybpdx.org/index.html).

**MEECA (Metro East Early College Academy):** The academy is a 10<sup>th</sup>-12<sup>th</sup>-grade high school diploma/college credit program. MEECA pays the college tuition and fees for 12 credits in each of three college terms. Students must register and enroll on the Metro East Web Academy home page. For more information please visit [www.mewebacademy.org](http://www.mewebacademy.org).

## Sam Barlow Course Descriptions

Please recognize that the course offerings identified in this manual are not guaranteed to be offered due to the number of students who forecast for a specific course, or budget constraints that may limit available courses or teachers qualified to teach a course.

### Activity and OSAA Participation Note

Students participating in activities and athletics sanctioned by OSAA must be enrolled in 5 classes earning 2.5 credits per semester (S).

## SBHS 2023 - 2024 Course List

### Art

116119 (S)	Art 1	9,10,11,12
116219 (S)	Drawing 1	9,10,11,12
116229 (S)	Drawing 2	10,11,12
116239 (S)	Drawing 3	10,11,12
118919 (S)	Painting 1	9,10,11,12
118929 (S)	Painting 2	10,11,12
118939 (S)	Painting 3	10,11,12
116349 (S)	Sculpture	10,11,12

### Career & Technical Education

#### Arts, Information & Communication Career Cluster

##### Computer Science Pathway

162729 (S)	Exploring Comp. Science	9,10,11,12
213000 (S)	Exploring Comp. Science 2	9,10,11,12
032049 (S)	Web Page Development	9,10,11,12
039511 (S)	Cyber Security	9,10,11,12
030229 (S)	Media Comp Apps 1	9,10,11,12
030230 (S)	Media Comp Apps 2	9,10,11,12

##### Media Arts Pathway

030229 (S)	Media Comp Apps 1	9,10,11,12
030230 (S)	Media Comp Apps 2	9,10,11,12
051619 (S)	Graphic Art 1	9,10,11,12
051629 (S)	Graphic Art 2	9,10,11,12
051639 (S)	Graphic Art 3	10,11,12
032049 (S)	Web Page Development	9,10,11,12

#### Human Resources Career Cluster

##### Early Childhood Education Pathway

050659 (S)	Child Development 1	9,10,11,12
050759 (S)	Child Development 2	9,10,11,12
276000 (S)	Intro to Education	10,11,12
051549 (S)	Interpersonal Relationships	10,11,12
253401 (S)	Educational Internship 1	11,12
253402 (S)	Educational Internship 2	11,12

#### Business & Management Career Cluster

##### Marketing Pathway

020101 (S)	Intro to Business	9,10,11,12
071001 (S)	Hospitality & Tourism	9,10,11,12
180211&2	Marketing 1-2	10,11,12
180221&2	Marketing 3-4	11,12
180231&2	Marketing 5-6	12

### Hospitality, Tourism & Culinary Pathway

050319 (S)	Intro to Culinary Arts	9,10,11,12
050329 (S)	Culinary Arts 1	9,10,11,12
050339 (S)	Culinary Arts 2	10,11,12
050349 (S)	Culinary Arts 3	10,11,12
050359 (S)	Culinary Arts 4	11,12
050369 (S)	Culinary Ind. Studies	11,12
071001 (S)	Hospitality, Tour & Rec.	9,10,11,12

### Industrial & Engineering Systems Career Cluster

#### Construction Pathway

041919 (S)	Intro to Woodworking	9,10,11,12
041929 (S)	Furniture Technology	9,10,11,12
041939 (S)	Cabinet Making	10,11,12
041949 (S)	Mastery Cabinet Making	10,11,12
041749 (S)	Construction Tech 1	10,11,12
041759 (S)	Construction Tech 2	10,11,12
041959 (S)	Applied Woods Tech	11,12

#### Engineering Pathway

070239 (S)	Introduction to AutoCAD	9,10,11,12
070319 (S)	Architectural Drawing 1	9,10,11,12
070329 (S)	Architectural Drawing 2	10,11,12
070619 (S)	Engineering Drawing 1	9,10,11,12
070629 (S)	Engineering Drawing 2	10,11,12
070249 (S)	3-D AutoCAD	10,11,12
070801 (S)	3-D Model Building	10,11,12

#### Manufacturing Technology Pathway

241211 (S)	Exploring Metals	9,10,11,12
241221 (S)	Machining 1	9,10,11,12
241222 (S)	Machining 2	10,11,12
241231 (S)	Welding 1	9,10,11,12
241232 (S)	Welding 2	10,11,12
241241 (S)	Ind. Study of Metals	11,12

### Electives

083211/2	AVID 9	9
083221/2	AVID 10	10
083231/2	AVID 11	11
083241/2	AVID 12	12
084111&2	Student Council	9,10,11,12
084121&2	Exploring Leadership	9,10,11,12
101809 (S)	Creative Writing	9,10,11,12
109969 (S)	Film Studies	9,10,11,12
190311&2	Intro to Journalism	9,10,11,12
190331&2	Journalism – Bruin Banner	10,11,12
190511&2	Yearbook	10,11,12

190521&2	Yearbook Advanced	10,11,12
192201 (S)	History through Media	9,10,11,12
231339 (S)	Sports and Society	9,10,11,12
277949 (S)	Ethnic Studies	9, 10,11,12
277149 (S)	Psychology	10, 11,12
279949 (S)	Military History & Society	9,10,11,12

### Health Promotion

230219 (S)	Physical Fitness 1	9
230229 (S)	Health 1	10
230239 (S)	Physical Fitness 2	11
230249 (S)	Health 2	12
234149 (S)	Yoga Core Fitness	9,10,11,12
231319 (S)	Fitness Rec Sports	9,10,11,12
232249 (S)	Strength & Conditioning	9,10,11,12
232269 (S)	Adv.Strength & Cond.	9,10,11,12
231409 (S)	Recreational Basketball	9,10,11,12

### Language Arts

211000&1	Pre AP Language Arts 9	9
211002&3	Pre AP Language Arts 10	10
100341&2	English 5-6	11
101251&2	AP Lang. & Comp.	11
100531&2	College Prep English 11	11
100441&2	English 7-8	12
101351&2	AP Literature	12
101201/301	Writing 121-122	12

### Mathematics

203141&2	Algebra 1	
203301&2	Integrated Math 1.5	10,11,12
203251&2	Integrated Math 2	9,10,11,12
204141&2	Algebra 2	9,10,11,12
212000&1	Accelerated Math 2/3	9, 10
206501&2	Statistics	11,12
205341&2	Pre-Calculus	10,11,12
205841&2	Calculus	11,12
205851&2	AP Calculus A/B	11,12
205961&2	AP Calculus B/C	12
206061&2	AP Statistics	11,12

### Music

113061&2	Barlow Sound (0 Period)	11,12
112141&2	Concert Band	10,11,12
113011&2	Concert Choir	11,12
112041&2	Freshman Band	9
112541&2	Jazz Band (0 Period)	10,11,12
112641&2	Stage Band	9,10,11,12
112241&2	Symphonic Band	10,11,12
112901&2	Bruin Choir	9,10,11,12
113021&2	Treble Choir	9,10,11,12
113121&2	Adv. Treble Choir	10,11,12

### Science

171551&2	AP Biology	11,12
171341&2	Anatomy and Physiology	11,12
171141&2	Biology	10
172141&2	Chemistry	9,11,12
172241&2	AP Chemistry	11,12
175141&2	Environmental Science	11,12
179941&2	Green Science	11,12
171251&2	Honors Biology	10
170341&2	Physical Science	9
173141&2	Physics	9,11,12
171111&2	Marine Biology	11,12

### Social Studies

270151&2	AP Human Geography	9
027071(S)	World Studies	9
275241(S)	Global Perspectives	10
271051&2	AP European History	10
272971&2	US History	11
272511&2	AP US History	11
273249(S)	Government	12
274149(S)	Economics	12
273259(S)	Honors Government	12
274059(S)	AP Macro Econ	12

### Theatre Arts

111219 (S)	Theater Appreciation	9,10,11,12
111311&2	Theatre 1-2	9,10,11,12
111321&2	Theatre 3-4	10,11,12
111331&2	Theatre 5-6	11,12
111341&2	Theatre 7-8	12

### World Language

128111&2	Am. Sign Language 1-2	9,10,11,12
128121&2	Am. Sign Language 3-4	10,11,12
120511&2	French 1-2	9,10,11,12
120521&2	French 3-4	10,11,12
120531&2	French 5-6	11,12
120541&2	French 7-8	12
120111&2	Spanish 1-2	9,10,11,12
120121&2	Spanish 3-4	9,10,11,12
120131&2	Spanish 5-6	10,11,12
120141&2	Spanish 7-8	11,12
120221&2	Heritage Spanish 1-2	9,10,11,12
120231&2	Heritage Spanish 3-4	10,11,12

## Art

No.	Name	Credit	Grade	Length	Pre-Requisite	Repeated for Credit	College Credit Available	Fee
116119	Art 1	.50	9-12	S	None	No	No	None
116219	Drawing 1	.50	9-12	S	Art 1	No	No	None
116229	Drawing 2	.50	10-12	S	Drawing 1	No	No	None
116239	*Drawing 3	.50	10 -12	S	Drawing 2	Yes	No	None
118919	Painting 1	.50	9 -12	S	Art 1	No	No	None
118929	Painting 2	.50	10-12	S	Painting 1	No	No	None
118939	*Painting 3	.50	10-12	S	Painting 2	Yes	No	None
116349	Sculpture	.50	10-12	S	Art 1	Yes	No	None

\* Students at this advanced level need to work well independently. Students in all art classes will develop a portfolio displaying essential technical/artistic skills, elements, and principles of design, critique/self-reflection, knowledge of historical art periods and presentation skills.

### 116119-Art 1

**Length of Class:** Semester  
**Prerequisite:** None  
**Grade Level(s):** 9, 10, 11, 12

Students will apply the principles and elements of design to problem-solve and communicate ideas, manipulate tools and technologies, present ideas in artistic forms, and interpret works of art through aesthetics and history. Students will do projects and performance tasks demonstrating principles and elements of design using color theory, composition, perspective, drawing, painting, and printmaking.

### 116219-Drawing 1

**Length of Class:** Semester  
**Prerequisite:** Passing grade in Art 1  
**Grade Level(s):** 9, 10, 11, 12

Students will learn to utilize pencil, charcoal, ink and scratchboard in direct observational drawings as well as in imaginative compositions. Through projects and participation they will learn skills in creating the illusions of depth, shading perspective, proportion, texture, pattern, and design via the use of a variety of media, and drawing techniques.

### 116229-Drawing 2

### 116239-Drawing 3

**Length of Class:** Semester  
**Prerequisite:** Passing grade in Drawing 1, Drawing 2  
**Grade Level(s):** 10, 11, 12

Students will continue learning to utilize pencil, charcoal, ink, printmaking and pastels in direct observational drawings as well as in imaginative compositions. Through projects and participation students will expand their knowledge in a variety of drawing techniques.

### 118919-Painting 1

**Length of Class:** Semester  
**Prerequisite:** Passing grade in Art 1  
**Grade Level(s):** 9, 10, 11, 12

Students will learn painting techniques in watercolor, acrylic, inks, and tempera. Paper selection, canvas preparation, graphing, brush choice, and care will also be taught. Through projects and daily participation, students will demonstrate abilities in painting through direct observation, creative problem solving, and imagery. Students will be interpreting works of art through history and aesthetics.

### 118929-Painting 2

### 118939-Painting 3

**Length of Class:** Semester  
**Prerequisite:** Passing grade in Painting 1, Painting 2  
**Grade Level(s):** 10, 11, 12

Students will learn advanced painting techniques. Students will use a variety of acrylic, watercolor and inks as well as a variety of canvas and sculpture.

### 116349 - Sculpture

**Length of Class:** Semester  
**Prerequisite:** Art 1  
**Grade Level(s):** 10, 11, 12

Students will learn to use tools and materials in plaster, clay and wire. Through projects and daily participation, students will create three dimensional projects in a variety of materials emphasizing the principles and elements of design as well as utilize art history and aesthetics.

Elective	Sequential Courses Requiring Art 1 as a Prerequisite		
Art 1	Painting 1	Painting 2	Painting 3
	Drawing 1	Drawing 2	Drawing 3

## Career and Technical Education Arts, Information & Communication Career Pathways

Computer Science Pathway									
No.	Name	Credit	Grade	Length	Pre- Requisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
162729	Exploring Computer Science	.50	9-12	S	None	No	No	No	No
213000	Exploring Computer Science 2	.50	9-12	S	Exploring Computer Science	No	No	No	No
032049	Web Page Development	.50	9-12	S	None	No	No	No	No
039511	Cyber Security	.50	9-12	S	Exploring Computer Science	No	No	Yes	No
030229	Media Computer Applications 1	.50	9-12	S	None	No	No	No	No
030230	Media Computer Applications 2	.50	9-12	S	MCA 1	No	No	No	No

All Career and Technical Education (CTE) programs in this school district will be open to all students. The district will take steps to ensure that a lack of English language skills [and/or gender] will not be a barrier to admission and participation in CTE programs.

### 162729-Exploring Computer Science

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Want to write the code for animations, games and smartphone apps? Interested in programming pocket size computers and small robots? If so, this is the class for you. In this introductory computer science class we will do these things and more. This is a hands-on project based course; no prior computer science experience is necessary. This course is a prerequisite for Exploring Computer Science 2 and Cyber Security.

### 213000-Exploring Computer Science 2

**Length of Class:** Semester

**Prerequisite:** Exploring Computer Science

**Grade Level(s):** 9, 10, 11, 12

This course builds on the programming skills attained in ECS. Students will develop programming skills through hands-on lessons and projects utilizing JavaScript and Python. More advanced robotics are introduced in this course as students write the code to control VEX robots. ECS needs to be completed prior to taking this course.

### 032049-Web Page Development

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

In this project-based course students will gain hands-on experience designing and building web pages in Visual Code Studio. Students will learn about design concepts and apply the design process to web site development. Students will learn how to code using HTML/CSS and use these skills to design and build professional, dynamic web pages.

### 039511-Cyber Security

**Length of Class:** Semester

**Prerequisite:** Exploring Computer Science

**Grade Level(s):** 9, 10, 11, 12

**Fee:** None

Students will participate in a hacking simulation and complete labs in a Cyber Range environment. This class focuses on introductory concepts in cyber security including: cyber security theory, optimizing security for devices/networks, cyber attacks and penetration testing. Students with computer/network related disciplinary infractions will not be allowed to take this course. MHCC credit is available. Exploring Computer Science class needs to be completed prior to taking this course.

### 030229-Media Computer Applications 1

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This is a project-based course to gain hands-on experience with several media software packages. You will learn how to use Adobe Premiere to create movies. This course includes an introduction to scriptwriting software and Storyboarder; as well as extensive coursework in video editing and production. This course is a prerequisite for MCA 2. Students will be required to use the Internet for this course and be able to have access to an external drive for saving work.

### 030230-Media Computer Applications 2

**Length of Class:** Semester

**Prerequisite:** MCA 1

**Grade Level(s):** 9, 10, 11, 12

This is a project-based course to continue experience in digital media through film. Students will gain hands-on experience with programs used in MCA as well as introduced to Adobe After Effects, Photoshop and Media Encoder. This course will concentrate on specific projects such as video announcements, coverage for events, contests and special requests. This course also will explore the history of film, as well as a potential introduction to photography depending on time. Students will be required to use the Internet for this course and be able to have access to an external drive for saving work.

<b>Media Arts Pathway</b>									
<b>No.</b>	<b>Name</b>	<b>Credit</b>	<b>Grade</b>	<b>Length</b>	<b>Prerequisite</b>	<b>Instructor Approval</b>	<b>Repeat for Credit</b>	<b>College Credit Available</b>	<b>Fee</b>
030229	Media Computer Applications 1	.50	9-12	S	None	No	No	No	No
030230	Media Computer Applications 2	.50	9-12	S	MCA 1	No	No	No	No
051619	Graphic Arts 1	.50	9-12	S	None	No	No	No	No
051629	Graphic Arts 2	.50	9-12	S	Graphic Arts 1	No	No	No	No
051639	*Graphic Arts 3	.50	10-12	S	Graphic Arts 2	No	Yes	No	No
032049	Web Page Development	.50	10-12	S	None	No	No	No	No

**030229-Media Computer Applications 1**

**Length of Class: Semester**

**Prerequisite: None**

**Grade Level(s): 9, 10, 11, 12**

This is a project-based course to gain hands-on experience with several media software packages. You will learn how to use Adobe Premiere to create movies. This course includes an introduction to scriptwriting and storyboarding as well as extensive coursework in video editing and production. This course is a prerequisite for MCA 2. Students will be required to use the Internet for this course and be able to have access to an external drive for saving work.

**030230-Media Computer Applications 2**

**Length of Class: Semester**

**Prerequisite: MCA 1**

**Grade Level(s): 9, 10, 11, 12**

This is a project-based course to continue experience in digital media through film. Students will gain hands-on experience with programs used in MCA as well as introduced to Adobe After Effects, Photoshop and Media Encoder. This course will concentrate on specific projects such as video announcements, coverage for events, contests and special requests. This course also will explore the history of film, as well as a potential introduction to photography depending on time. Students will be required to use the Internet for this course and be able to have access to an external drive for saving work.

**051619-Graphic Arts 1**

**Length of Class: Semester**

**Grade Level(s): 9, 10, 11, 12**

This is a project-based course where students will learn color, layout and design theory through design projects and group participation in critique. Students will learn how to use different tools in Photoshop to create images and manipulate photos with techniques used in a Graphic Design job, as well as CTE experience.

**051629-Graphic Arts 2**

**051639-Graphic Arts 3**

**Length of Class: Semester**

**Prerequisite: Graphics 1, Graphics 2**

**Grade Level(s): 9, 10, 11, 12**

This is a project-based course where students will continue their exploration in Photoshop and an introduction to Illustrator to create more difficult projects for jobs that require print production duplication, advertisements, posters, and other print media.

**032049-Web Page Development**

**Length of Class: Semester**

**Prerequisite: None**

**Grade Level(s): 9, 10, 11, 12**

In this project-based course students will gain hands-on experience designing and building web pages in Visual Code Studio. Students will learn about design concepts and apply the design process to web site development. Students will learn how code using HTML/CSS and use these skills to design and build professional, dynamic web pages. Students will be required to use the Internet for this course.

## Human Resources Career Pathway

Early Childhood Education Pathway									
No.	Name	Credit	Grade	Length	Pre- Requisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
050659	Child Development 1	.50	9 -12	S	None	No	No	No	None
050669	Child Development 2	.50	9-12	S	Child Dev 1	No	No	Yes	None
051549	Interpersonal Relationships	.50	10-12	S	None	No	No	No	None
276000	Intro to Education	.50	10-12	S	Child Dev 1 & 2	No	No	No	None
253401	Education Internships 1	.50	11-12	S	Child Dev 1 & 2	No	No	No	None
253402	Education Internships 2	.50	11-12	S	Cadet Teaching 1	No	No	Yes	None

### 050659- Child Development 1

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This course is designed to give students an overview of Children birth to 5 years old. Topics include: history of early childhood, theorist, learning how children develop physically, emotionally, socially and mentally, the importance of play, learning environments, how to learn about children through observations, selecting toys and educational materials, book selection, art experiences and the importance of music in early childhood.

### 0051549- Interpersonal Relationships

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 10, 11, 12

Interpersonal Relationships encourage self-examination and critical thinking relative to adult living. Areas of study include understanding oneself and others, dating, long-term committed relationships, family systems, financial responsibility, parenting, and the life cycle. The course content encourages the development of the skills necessary for successful relationships in today's changing world.

### 276000- Intro to Education

**Length of Class:** Semester

**Prerequisite:** Child Development 1 & 2

**Grade Level(s):** 10, 11, 12

This class is designed for students who are interested in the teaching profession. Emphasis will be on how children learn and retain knowledge. Topics include classroom management, teaching students with developmental disabilities, and how to help children succeed in school who have experienced trauma in their childhood.

### 050759- Child Development 2

**Length of Class:** Semester

**Prerequisite:** Child Development 1

**Grade Level(s):** 9, 10, 11, 12

**Fee:** None

This course is designed for students wanting to gain a more in depth study of child development. Time will be spent studying children ages 5 – 12 years old. Topics include: guidance problems, establishing classroom limits, planning nutritious snacks, planning learning environments, working with children with special needs, programs for school age children, technology in the classroom, and guiding math, science, language arts and fine art experiences.

### 253401- Education Internships 1

**Length of Class:** Semester

**Prerequisite:** Child Development 1 & 2 (ECE 1 & 2)

**Grade Level(s):** 11, 12

This course allows students to gain first hand experience by working in a classroom setting at one of our local feeder schools. Students will spend the first four weeks learning about professional responsibilities and beginning work on a portfolio. Students will be given time to study the benchmarks students must meet for the grade level they will be working in. Students will complete a career project. Students will be out in the classroom Monday, Tuesday, Thursday and Friday. All students will meet in the classroom every Wednesday.

### 253402- Education Internships 2

**Length of Class:** Semester

**Prerequisite:** Education Internships 1

**Grade Level(s):** 11, 12

This class is designed for students that want additional experience working with children. Students taking this course will need to work at a different grade level or work in a different experience with children. Possible experiences include, but are not limited to speech therapist, social worker, school counselor, school psychologist. Students will spend the first four weeks researching their career interest along with finishing up their portfolio. Students will be out in the field Monday, Tuesday, Thursday, and Friday. All students will meet in the classroom on Wednesday. Students completing ECE 1, ECE 2, Education Internships 1, Education Internships 2 may be eligible for 7 college credits through Eastern Oregon State University.

*In an effort to maintain a healthy and safe environment a student who engages in certain offenses may be prevented from Educational Intern classes. These offenses include, but are not limited to: alcohol and drug violations, assault, weapon possession, and sexual misconduct. Additionally, any student currently enrolled in a class who is found in violation of a related offense may be permanently removed from the class.*

*Each circumstance will be handled on a case-by-case basis, and any student wishing to have their case reviewed may contact their assigned administrator. Sam Barlow High School's administration will have the final decision regarding a student's placement in Education Internship.*

## Business & Management Career Pathway

Marketing Pathway									
No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
020101	Intro to Business	.50	9-12	S	None	No	No	No	No
180211&2	Marketing 1-2	1.0	10-12	Year	Intro to Business	No	No	No	No
180221&2	Marketing 3-4	1.0	11-12	Year	Mktg. 1-2	No	No	No	No
180231&2	Marketing 5-6	1.0	12	Year	Mktg. 3-4	Yes	Yes	No	No
071001	Hospitality, Tourism & Recreation	.50	9-12	S	None	No	No	No	No
030239	Success Through Tech	.50	9-12	S	None	No	No	No	No

### 020101-Intro to Business

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Students will learn an overview of the world of business during this one semester introductory course. They will learn a brief overview of marketing, finance, management, retail, and more. Students will demonstrate what they have learned through the completion of required projects. This course is a prerequisite for Marketing 1-2. Students interested in business & marketing should start with this course.

### 180211&2-Marketing 1-2

**Length of Class:** Year

**Prerequisite:** Intro to Business

**Grade Level(s):** 10, 11, 12

Students will learn the basic principles of marketing. Students will be introduced to marketing concepts including: selling, advertising and promotion, sports marketing, product creation, new product research, social responsibility, ethics, branding, and more. Students will create marketing materials using a variety of media and software programs. Students will demonstrate what they have learned through completion of projects and assessments. Students will be invited to participate in co-curricular club DECA to enhance their classroom experience.

### 180221&2-Marketing 3-4

**Length of Class:** Year

**Prerequisite:** Marketing 1-2

**Grade Level(s):** 11, 12

Students will apply advanced techniques of retail marketing, merchandising, buying, selling, advertising, promotion, pricing, financial records and analysis, and develop workplace skills. Students will complete projects related to marketing, advertising, display, and selling

techniques. Students will create marketing materials using a variety of media and software programs. Students will have the opportunity to assist in the operation of an in-school retail business. Students will demonstrate what they have learned through the completion of projects and a business plan. Students will be invited to participate in co-curricular club DECA to enhance their classroom experience.

### 180231&2-Marketing 5-6

**Length of Class:** Year

**Prerequisite:** Marketing 3-4 + Instructor Approval

**Grade Level(s):** 12

Students will learn how to organize and manage a business while learning management functions, leadership skills, and entrepreneurship skills. They will have the opportunity to manage the school-based enterprise (SBE) - The Den, which will include management of employees, inventory control, reporting, and more. Students will demonstrate what they have learned through the completion of required projects including a business plan project. Students will participate in the co-curricular club DECA to enhance their SBE and classroom experience. Class may be repeated one time with instructor approval. Students repeating this course will be required to serve in a leadership role and will be expected to complete advanced written projects.

### 071001-Hospitality, Tourism & Recreation

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This course is designed for students who want to explore the travel industry. All areas of the industry will be covered including lodging, food & beverage, event planning, air & ground transportation, the cruise industry and recreation. Instruction will cover the history of tourism, its economic impact in Oregon and around the world, major attractions throughout Oregon, the U.S. and worldwide.

Hospitality, Tourism and Culinary Pathway									
No.	Name	Credit	Grade	Length	Pre-Requirement	Instructor Approval	Repeated for Credit	College Credit Available	Fee
050319	Intro. to Culinary Arts	.50	9-12	S	None	No	No	No	No
050329	Culinary Arts 1	.50	9-12	S	Intro. to Culinary Arts	No	No	No	No
050339	Culinary Arts 2	.50	10-12	S	Culinary Arts 1	No	No	No	No
050349	Culinary Arts 3	.50	10-12	S	Culinary Arts 2	No	No	No	No
050359	Culinary Arts 4	.50	11-12	S	Culinary Arts 3	No	No	No	No
050369	Culinary Independent Studies	.50	11,12	S	Passed Culinary Arts 2 with a C or better	Yes	Yes	No	No
071001	Hospitality & Tourism	.50	9-12	S	None	No	No	No	No

#### 050319-Introduction to Culinary Arts

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9,10, 11, 12

Intro to Culinary Arts is an introductory class exploring safety and sanitation, cooking terminology, basic cooking techniques, and basic baking techniques. With the completion of this course students will be able to successfully follow a recipe. Much of this class will be done in the lab where students will work as a group to prepare a variety of foods.

#### 050329-Culinary Arts 1

**Length of Class:** Semester

**Prerequisite:** Introduction to Culinary Arts

**Grade Level(s):** 9, 10, 11, 12

Culinary Arts 1 is an overview course covering skills for a professional kitchen, regional American food cultures, and basic baking techniques. This class begins the ProStart curriculum, a nationwide school-to-career program designed by the National Restaurant Association. With the completion of this course students will be able to produce a variety of consistently high-quality food. Much of this class will be done in the lab where students will work as a group to prepare a variety of foods.

#### 050339-Culinary Arts 2

**Length of Class:** Semester

**Prerequisite:** Culinary Arts 1

**Grade Level(s):** 10, 11, 12

Culinary Arts 2 is a continuation of the National Restaurant Association's ProStart curriculum. This curriculum is used nationwide to prepare students for a career in the restaurant industry. Students will work in our lunch cafe, Bruin Bites, to gain real-world restaurant experience, and be given an opportunity to participate in statewide culinary and baking competitions through SkillsUSA.

#### 050349-Culinary Arts 3

**Length of Class:** Semester

**Prerequisite:** Culinary Arts 2

**Grade Level(s):** 10, 11, 12

Culinary Arts 3 is the beginning of the second year of the ProStart program. Students will study the history of the food service and hospitality industries and develop skills in customer service and management, including table service, inventory, purchasing, and cost control. Much of this class will be done in the lab where students will work as a group to demonstrate advanced culinary competencies.

Students will work in our lunch cafe, Bruin Bites, to gain real-world restaurant experience, and be given an opportunity to participate in statewide culinary and baking competitions through SkillsUSA.

#### 050359-Culinary Arts 4

**Length of Class:** Semester

**Prerequisite:** Culinary Arts 3

**Grade Levels(s):** 11, 12

Culinary Arts 4 is the completion course for the ProStart program. With the completion of this course, students will take the technical skills assessment and have the option to test for the ProStart Certificate of Achievement. Students may also pursue advanced safety and management certification. Much of this class will be done in the lab where students will work as a group to demonstrate advanced culinary competencies. Students will work in our lunch cafe, Bruin Bites, to gain real-world restaurant experience, and be given an opportunity to participate in statewide culinary and baking competitions through SkillsUSA.

#### 050369- Culinary Independent Studies (formerly culinary assistant)

**Length of Class:** Semester

**Prerequisite:** Grade of C or better in Culinary 2 & instructor approval

**Grade Levels(s):** 11, 12

This course is designed for the serious culinary student interested in pursuing a career in the foodservice industry or improving specific culinary skills. Students will pick culinary skills they wish to gain or improve and will work with the instructor to propose projects related to those skills. Designed for increased freedom to explore as well as increased responsibility, this course requires a high level of self-management and motivation. Instructor approval is required.

#### 071001-Hospitality, Tourism & Recreation

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This course is designed for students who want to explore the travel industry. All areas of the industry will be covered including lodging, food & beverage, event planning, air & ground transportation, the cruise industry and recreation. Instruction will cover the history of tourism, its economic impact in Oregon and around the world, major attractions throughout Oregon, the U.S. and worldwide.

## Industrial & Engineering Systems Career Pathway

Construction Pathway									
No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeated for Credit	College Credit Available	Fee
041919	Introduction to Woodworking	.50	9-12	S	None	No	No	No	No
041929	Furniture Technology	.50	9-12	S	Intro. To Woodworking	No	No	No	No
041939	Cabinet Making	.50	10-12	S	Furniture Technology	No	No	No	No
041949	Mastery Cabinet Making	.50	10-12	S	Cabinet Making	No	No	No	No
041959	Applied Woods Technology	.50	11-12	S	Mastery Cabinet Making	No	No	No	No
041749	Construction Team 1	.50	10-12	S	Furniture Technology	No	No	No	No
041759	Construction Team 2	.50	10-12	S	Construction Team 1	No	Yes	No	No

### 041919-Introduction to Woodworking

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Students will learn to use the table saw, band saw, jointer, thickness planer, router table, drill press, miter saw, edge sanders, as well as other hand-held woodworking tools. Students will learn how to read a tape measure and draft a construction plan sheet to follow. Students will learn and practice safety standards when operating stationary and portable tools in a shop setting. Students will build multiple take home projects that will demonstrate their skills using these tools.

### 041929- Furniture Technology

**Length of Class:** Semester

**Prerequisite:** Introduction To Woodworking

**Grade Level(s):** 9, 10, 11, 12

Students continue to focus and practice tool use and shop safety standards. Students will focus more on wood joinery and their unique strengths as found in quality furniture. Students will experiment with different joinery techniques by making complex angle cuts using jigs and a multi-router. Students will build a step stool using mortise and tenon joinery and a picture frame with mitered corners, splines and inlays. Time permitting, students will build a personal project that utilizes the new skills learned.

### 041939- Cabinet Making

**Length of Class:** Semester

**Prerequisite:** Furniture Technology

**Grade Level(s):** 10, 11, 12

Students will learn the fundamentals of cabinet making. Students will learn how to work with plywood, particleboard and laminates. Students will learn to use tools found in manufacturing such as a panel saw and a CNC machine to cut sheet goods. Students will build a small cabinet that has details such as: box with a face frame or edge banding, cabinet door with a floating panel, drawer with dovetail joints, mitered top with decorative woodworking and cabinet legs. Students will use the remaining three weeks of the semester designing and building their own personal project of choice.

### 0041949- Mastery Cabinet Making

**Length of Class:** Semester

**Prerequisite:** Cabinet Making

**Grade Level(s):** 10, 11, 12

Students will continue to build on skills from Cabinet Making. Students will build a tool cabinet that has six separate drawers, a top and legs. Students will learn advanced techniques in tool operation as well as constructing jigs

to use in their projects. Students will design their own personal project that challenges them in joinery techniques and overall woodworking skills. Students will also expand on the CNC machine as well as designing and creating CAD cut files.

### 041959- Applied Woods Technology

**Length of Class:** Semester

**Prerequisite:** Mastery Cabinet Making

**Grade Level(s):** 11, 12

Students will design and build their own individual project(s). This is an independent study course, which involves research of wood products of interest. Within parameters and assistance from the teacher, students will produce their own ideas, design, plans, drawings, cost and materials estimate needed to build their project. Students will present their project as their capstone project in woodworking. (In addition, case-by-case basis, students may be instructed to complete unique one-off projects as needed from instructor)

### 041749-Construction Technology 1

**Length of Class:** Semester

**Prerequisite:** Furniture Technology or Above

**Grade Level(s):** 11, 12

Students will learn how to operate hand and power tools found in the residential and commercial construction industry. The main focus of this course is carpentry, however, small DIY lessons in residential concrete, electrical power and lighting, asphalt roofing, painting techniques, plumbing repairs, drywall, flooring installation and repairs will be taught. The skills gained in this course are directly applicable to DIY home repairs and remodeling projects. The main and final project is a student-built tool shed that is sold to the local public. Typically, this course will have guest speakers from different areas of the construction industry, field trips related to construction and an overall experience of what it is like to work in construction.

### 041759-Construction Technology 2

**Length of Class:** Semester

**Prerequisite:** Construction Technology 1

**Grade Level(s):** 11, 12

This course is the same as Construction 1, although, students will be expected to be in a leadership role when assigned tasks in the shed project. Students in Construction Team 2 may also help instruct in all the various construction trades exercises. In addition, there may be construction related side projects that may arise and advanced students may be tasked to plan and build these requests. Ultimately, the main objective is to build a tool shed for the local community family.

Engineering Pathway									
No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
070239	Intro. to AutoCAD	.50	9-12	S	None	No	No	No	No
070319	Architectural Drawing 1	.50	9-12	S	Intro. AutoCAD	No	No	No	No
070329	Architectural Drawing 2	.50	10-12	S	Arch. Draw. 1	No	No	No	No
070619	Engineering Drawing 1	.50	9-12	S	Intro. AutoCAD	No	No	No	No
070629	Engineering Drawing 2	.50	10-12	S	Eng. Draw. 1	No	No	No	No
070249	3D AutoCAD	.50	10-12	S	Arch.1or Eng. 1	No	No	Yes	No
070801	3D Model Building	.50	11-12	S	3-D & Arch2 / 3-D & Eng. Draw2	No	No	No	No

#### 070239-Introduction to AutoCAD

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Students will concentrate on learning how to use computer aided design (CAD) software. Students will learn to master the commands, structure, and capabilities of our CAD program, called AutoCAD, before they continue in engineering, drawing, and architectural drawing.

#### 070319-Architectural Drawing 1

**Length of Class:** Semester

**Prerequisite:** Introduction to AutoCAD

**Grade Level(s):** 9, 10, 11, 12

Students continue their AutoCAD knowledge by designing and drafting a home. They will incorporate prior knowledge with new skills to draw floor plans, elevations, and details. The home drawings are plotted to scale and used in Architectural Drawing 2. A passing grade in Intro to AutoCAD is required.

#### 070329-Architectural Drawing 2

**Length of Class:** Semester

**Prerequisite:** Architectural Drawing 1 AND Woods 1

**Grade Level(s):** 10, 11, 12

Students will continue with their home drawings from Architectural Drawing 1. Finishing any fine details like elevations, foundation plans and roof plans, before constructing a scale model of the house. Lot layout, setbacks, and code concerns of residential and commercial buildings will be addressed. Passing grades in Architectural Drawing 1 AND Woods 1 are required.

#### 070619-Engineering Drawing 1

#### 070629-Engineering Drawing 2

**Length of Class:** Semester

**Prerequisite:** Introduction to AutoCAD

**Grade Level(s):** 9, 10, 11, 12

Students learn a variety of Mechanical and Manufacturing drafting techniques with respect to AutoCAD. They will learn how to take an idea

from conception to production. Students will use scaled orthographic drawings to learn how to propose, document and build several small projects in a team setting. Guest speakers, career fairs, and small projects assist students in focusing on a career path in Engineering. A passing grade in Intro to AutoCAD is required.

#### 070249-3D AutoCAD

**Length of Class:** Semester

**Prerequisite:** Architectural 1 or Engineering Drawing 1

**Grade Level(s):** 10, 11, 12

3-Dimensional Drawing builds on prior knowledge learned in Intro to AutoCAD, Engineering Drawing and Architectural Drawing Classes. The course focuses on 3D Parts Drawing and touches on some architectural features. Students are introduced to a series of commands in AutoCAD that help them model parts that can be created at a fabrication facility. The students learn through hands on techniques, class instruction and computer software. Students should be able to produce accurate 3D drawings at entry-level standards. Intro to AutoCAD is a prerequisite with a letter D grade or better.

#### 070801-3D Model Building

**Length of Class:** Semester

**Prerequisite:** Architectural 1 or Engineering Drawing 1

**Grade Level(s):** 11, 12

Scale Model Building – Students use skills learned in 3D Drafting and the completed house plans from Arch Draw 1 and 2 to create a ¼" = 1' Scale model of the residential house design. Students will learn to convert AutoCAD drawings into another format recognized by the Trotech Laser Engraver to create architectural models, or mechanical devices, or promotional items. Architectural Students will take their Drafting and 3D Modeling skills and marry them to the Trotech 3D Laser Engraver to cut out wood and/or plastic components to build a scale model of their house plans created in the prior two classes. Mechanical Students will take their Drafting and 3D Modeling skills and marry them to the Trotech 3D Laser Engraver to cut out wood and/or plastic part to build models or etching/burns of promotional items.

<b>Metals Manufacturing Pathway</b>									
No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
241219	Exploring Metals	.50	9-12	S	None	No	No	No	No
241229	Machining 1	.50	9-12	S	Exploring Metals	No	No	No	No
241239	Machining 2	.50	10-12	S	Machining 1	No	No	No	No
241249	Welding 1	.50	9-12	S	Exploring Metals	No	No	No	No
241259	Welding 2	.50	10-12	S	Welding 1	No	No	Yes	No
241241	Independent Study of Metals	.50	11-12	S	Machining 2, Welding 2	Yes	Yes	No	No

**Fast Track Pre-Apprenticeship-Certification**

Students that complete 2.0 credits (four classes) from any of the following Metals courses are eligible to apply to the Fast Track Pre-Apprenticeship Program in Metals Manufacturing. After completing the Fast Track Program, students will receive a certificate approved by BOLI (Bureau of Labor and Industries). This certificate will help students getting accepted into a future apprenticeship in related trades. Such trades include welders, plumbers, electricians, pipefitters, steamfitters, and HVAC plumbers. Refer to the section on the Fast Track Pre-Apprenticeship Program for details.

**Mt. Hood Community College Articulation**

Students who complete the Exploring Metals, Welding 1 and Welding 2 with an A or a B in each class, are eligible to earn college credit in the manufacturing area, see table on page 9.

**241219-Exploring Metals**

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This is an introductory course in metal working. Students will learn basic skills; forging (blacksmithing), heat treatment, machining, grinding, and wire feed welding. Students will safely learn how to operate the hydraulic press, hacksaw, drill press, pedestal grinder, angle grinder, blacksmith anvil, forge furnace, and MIG welding machine.

**241229-Machining 1**

**Length of Class:** Semester

**Prerequisite:** Exploring Metals

**Grade Level(s):** 9, 10, 11, 12

Machining is the process of creating a very precise part by removing material in the form of a chip. It includes cutting, drilling, turning, and milling. In this course, students will learn what it means to think like a machinist. Topics covered include: Dimensional tolerance, precision. measurement with a dial caliper, thread pitch, tap drill size, mechanical fasteners, drilling, countersinking, boring, basic milling, and engine lathe operation. Students in this course will also have the opportunity to work with leather.

**241239-Machining 2**

**Length of Class:** Semester

**Prerequisite:** Machining 1

**Grade Level(s):** 10, 11, 12

This course is designed to prepare students for a future career in machining. It will introduce more advanced machining skills at an even higher level of precision. Topics covered include: Precision measurement with a micrometer, advanced engine lathe operation, and vertical milling operation. Students will design their own final precision machining project using either the engine lathe and milling machine.

**241249-Welding 1**

**Length of Class:** Semester

**Prerequisite:** Exploring Metals

**Grade Level(s):** 9, 10, 11, 12

Welding techniques covered: Advanced Gas Metal Arc Welding (GMAW), oxy-acetylene cutting and brazing, spot welding, pipe welding, Shielded Metal Arc Welding (SMAW), and bend testing. Students will be expected to design and complete their own final fabrication project using welding techniques learned over the semester.

**241259-Welding 2**

**Length of Class:** Semester

**Prerequisite:** Welding 1

**Grade Level(s):** 10, 11, 12

Advanced welding techniques covered. Out-of-position stick welding, plasma torch cutting, oxy-acetylene welding, and Tungsten Inert Gas (TIG) welding. Students will also learn how to create a design on the computer and cut it out using a CNC plasma cutter. Students will be expected to design and complete their own final fabrication project using welding techniques learned over the semester.

**241241-Independent Study of Metals**

**Length of Class:** Semester

**Prerequisite:** Machining 2 and Welding 2

**Grade Level(s):** 11, 12

This is an independent study course designed to allow a student the freedom to explore either a new metal manufacturing technique they are interested in or strengthen previously learned concepts. Students in this course will present a project reflecting their topic of study. Students completing this course will receive a CTE graduation cord for completing the entire Metals Manufacturing Program.

## Electives

No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeated for Credit	College Credit Available	*Fee
083211/2	AVID 9	1.0	9	Year	Application	No	No	No	No
083221/2	AVID 10	1.0	10	Year	Application	No	No	No	No
083231/2	AVID 11	1.0	11	Year	Application	No	No	Yes	No
083241/2	AVID 12	1.0	12	Year	Application	No	No	Yes	No
084121&2	Exploring Leadership	1.0	9-12	Year	Yes	No	No	No	No
101809	+Creative Writing	.50	9-12	S	None	No	No	No	No
109969	Film Studies	.50	10-12	S	None	No	No	No	No
190311&2	Intro to Journalism	1.0	9-12	Year	None	Yes	No	No	No
190331&2	Journalism – Bruin Banner	1.0	10-12	Year	Intro to Journalism	Yes	No	No	No
190511&2	Yearbook	1.0	10-12	Year	Apply	Yes	No	No	
190521&2	Yearbook Advanced	1.0	11-12	Year	Yearbook 1-2	Yes	No	No	
192201	History Through Media	.5	9 - 12	Semester	No	No	No	No	
231339	Sports and Society	.5	9-12	Semester	No				
277149	+Psychology	.5	10 - 12	Semester	No	No	No	No	
277949	Ethnic Studies	.5	9 - 12	Semester	No	No	No	No	
279949	Military History & Society	.5	9-12	Semester	No				

+Indicates NCAA Approved Core Courses

### AVID 9 (Advancement Via Individual Determination)

**Length of Class: Year**

**Prerequisite: Interview and Teacher Recommendations**

**Grade Level(s): 9**

AVID 9 is an elective class for freshmen, previously or currently in the academic middle, who intend on attending college. This course focuses on developing skills that will help students be successful in rigorous high school classes, as well as preparing students for college. These include tutor facilitated study groups, motivational activities, a college visit, and skill building activities in the areas of note-taking and critical thinking. This course is for freshmen students who are committed and capable of completing rigorous classes through hard work and determination.

### AVID 10 (Advancement Via Individual Determination)

**Length of Class: Year**

**Prerequisite: Interview and Teacher Recommendations**

**Grade Level(s): 10**

AVID 10 is an elective class for sophomores, previously or currently in the academic middle, who intend on going to college. This course focuses on developing skills that will help students be successful in rigorous high school classes, as well as preparing students for college. These include tutor facilitated study groups, motivational activities, a college visit, and skill building activities in the areas of note-taking and critical thinking. Additionally, students will focus on career exploration and career related skills. This course is for sophomore students who are committed and capable of completing rigorous classes through hard work and determination.

### AVID 11 (Advancement Via Individual Determination)

**Length of Class: Year**

**Prerequisite: Interview and Teacher Recommendations**

**Grade Level(s): 11**

AVID 11 is an elective class for juniors, previously or currently in the academic middle, who intend on going to college. This course focuses on developing skills that will help students be successful in rigorous high school classes, as well as preparing students for college. These include tutor facilitated study groups, motivational activities, a college visit, and skill building activities in the areas of note-taking and critical thinking. Additionally, students will begin the college application process through college exploration, ACT/SAT preparation and scholarship research. This

course is for junior students who are committed and capable of completing rigorous classes through hard work and determination.

### AVID 12 (Advancement Via Individual Determination)

**Length of Class: Year**

**Prerequisite: Interview and Teacher Recommendations**

**Grade Level(s): 12**

AVID 12 is an elective class for seniors, previously or currently in the academic middle, who intend on going to college. This course focuses on developing the writing and critical thinking skills expected of beginning college students and focuses largely on the college application process. This class continues to support students through a collaborative study group process, as well as college-bound activities to support their post-secondary plans. Additionally, students are required to apply for admissions to multiple universities and scholarships. This course is for senior students who are committed and capable of completing rigorous classes through hard work and determination.

### 084121&2 Exploring Leadership

**Length of Class: Year**

**Prerequisite: Application**

**Grade Level(s): 9, 10, 11, 12**

Students will be introduced to the principles of leadership. Students will learn goal setting, project planning, evaluation, time management, communication, and community service skills. Students will collaborate with Student Council students on projects. Priority to enroll in the class will be given to students who submit an application for the Exploring Leadership program.

### 101809-Creative Writing

**Length of Class: Semester**

**Prerequisite: None**

**Grade Level(s): 9, 10, 11, 12**

A mixed grade class, Creative Writing will provide students with a process approach to improving voice, structure, and contents in all aspects of writing. While the emphasis of the course is clearly self-expression, the design of the course will have students utilize a critical eye towards both stylistic analysis and peer critique. The course is broken into three units focusing on the following genres of written self-expression: creative nonfiction, poetry, and short stories. Throughout

each unit, students will be analyzing authors central to the writing genre. Everyday classroom activities will focus on developing familiarity and proficiency with the nuances of each writing mode. Regular entries in a writing journal will provide students with a "living document" of ideas and examples. The class is portfolio-based, with an emphasis on collaborative critique and revision. Extensions may exist between the class and Barlow's literary magazine, Poised Pens.

#### **109969-Film Studies**

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9-12

Using strategies, discussions and various writing modes, students will study cinema from its beginning to contemporary films. Students will watch 20 full-length films between 1940 to present and learn how to apply film terminology to class discussions and writings.

#### **190311&2-Intro to Journalism**

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Beginning Journalism is an introductory course that covers the role of mass media in our society. Students will learn how to read a newspaper and become critical consumers of modern news. Units include: news writing, feature writing, sports writing, ethics in journalism, podcasting, digital media, reporting, editing, interviewing, and photojournalism. The yearlong class culminates with creating a Cub Edition of the Bruin Banner and generating original web content for the Banner Online. Successful completion of this course leads to a placement in one of two of the school's publication classes.

#### **190331&2-Journalism-Bruin Banner**

**Length of Class:** Year

**Prerequisite:** Intro to Journalism

**Grade Level(s):** 10, 11, 12

The Banner class is a publication class. Students will learn how to publish regularly scheduled issues of Barlow's student newspaper using skills learned in previous Journalism classes. The Banner class produces monthly issues of the student newspaper; together with student editors and their advisor, student journalists are responsible for gathering, reporting, and writing the news. Other content sections include: Editorials, sports, arts and entertainment. Students will produce between 11-20 issues of The Bruin Banner (stories, cartoons, photography) and work on miscellaneous related projects, and contribute to the Banner online.

#### **190511&2-Yearbook**

#### **190521&2-Yearbook Advanced**

**Length of Class:** Year

**Prerequisite:** Interview and Teacher Recommendation

**Grade Level(s):** 10, 11, 12

Students will cooperatively publish a 256-page yearbook and learn the basics of desktop publishing using Adobe In-Design. They will learn layout design, copy and caption writing, interviewing techniques, and photography skills. Students will learn about journalism law and ethics governing reporting. Students will learn to work cooperatively with others, how to manage their time on long-term projects, and how to handle deadline pressures. They are expected to sell business ads, work at yearbook distribution, and attend various extra-curricular events.

#### **192201-History Through Media**

**Prerequisite:** None

**Length of Class:** Semester

**Grade Level(s):** 9, 10, 11, 12

This class will be a one semester survey of some of the great works in the telling of history through film. Through the critical eye of both a film critic and historian, students will view films of various genres and time periods with the express purpose of analyzing the historical content. Emphasis will be placed on comparing the film with real history,

analyzing bias, examining the effect such films have on society's view of history, and evaluating how the film making process plays into each of these themes.

The films to be viewed will focus on both U.S. history, and world history with the purpose of exploring films that are both realistic, and that present alternative worldviews on specific events or time periods in human history. Many of the films will be popular Hollywood productions, while others will be more obscure foreign and independent films. Critical analysis will include research and discussions, culminating with multiple written assignments in MLA format, and Oregon Social Science Analysis and Writing benchmark.

#### **231339-Sports and Society**

**Length of class:** Semester

**Prerequisite:** None

**Grade Level(s)** 9, 10, 11, 12

Do you love sports? Do you want to know what makes sports teams and athletes successful? Are you interested in how the world of sports is changing? Sports are passionately followed by fans in the United States and around the world. We will examine how pro sports teams are built and what helps teams succeed. Students will examine ways in which sports and society connect to each other. What is the deal with the NBA, China and Hong Kong? This class will look at the economics of sports, weighing the role of money in sports, both locally, nationally and internationally. What is name, image and likeness (NIL)? Should college athletes be compensated? Should cities spend billions to host the Olympics or World Cup? Why does the SEC dominate college football? Sports has often brought people together, or created conflict between countries or regions. How has social justice activism become intertwined with sports? Why do women get equivalent athletic scholarships for college, but the USWNT soccer players are paid less than the men's team, even though they are much more successful? Changes for women and minorities related to sports and sports impact on race relations will also be covered. Students in this class will learn about these topics and more, and students will do project-based learning, participate in debates and discussions.

#### **277149-Psychology**

**Length of Class:** Semester

**Prerequisite:** World Studies

**Grade Level(s):** 10, 11, 12

Psychology is an elective class for students interested in broadening their understanding and experience in the social sciences. The class is intended as a survey of some of the fundamental topics of the behavioral sciences and to stimulate interest in this field of study.

Students will learn about human behavior as it relates to the brain and neuroscience development, personality, thinking-consciousness, emotion, stress, mental illness, and therapy. Emphasis will be on the relevance of these topics to the current and future life of the student. Students participate in debates, discussions, simulations, and experiments. Students will be expected to complete regular reading and homework assignments.

#### **277949-Military History & Society, 1789-1989**

**Length of class:** Semester

**Prerequisite:** None

**Grade Level(s)** 9, 10, 11, 12

The student will learn how warfare has shaped society in the modern world, from ancient warfare, to the French Revolution and Napoleon to the end of the Cold War and beyond. From the broad overview, to the detailed look at individual events. The course will concentrate on military events over the past 200 years, and how these have influenced the modern world politically, economically, and socially, including the changing role of women in society. The course will be taught in a variety of ways, from lecture and discussion, to strategy simulations while using and interpreting a wide variety of graphs, and especially maps, both strategic and tactical. The course will conclude with the USA's place in the 21st Century.

**277949- Ethnic Studies**

**Length of class: Semester**

**Prerequisite: None**

**Grade Level (s): 9, 10, 11, 12**

Ethnic Studies is designed to educate students to be politically, socially, and economically conscious about their personal connections to local and national history. It will focus on themes of social justice, social responsibility, and social change. The course spans from past to present, from politics to social reform, allowing students to identify similar social patterns and universal qualities present in other societies, including their own. This course will focus on the experiences of African Americans, Asian Americans, Latino Americans, and Indigenous Peoples. It will operate from the consideration that race and racism, have been, and continue to be, profoundly powerful social and cultural forces in American society. This course will also include an identity section where students will consider concepts related to their own personal, group, and/or national origin.

## Health Promotion

No.	Name	Credit	Grade	Length	Prerequisite	Instructor Approval	Repeated for Credit	College Credit Available	*Fee
232139	Physical Fitness 1	.50	9-12	S	None	No	No	No	No
232239	Physical Fitness 2	.50	9-12	S	Physical Fit 1	No	No	No	No
140919	Health 1	.50	10	S	None	No	No	No	No
140929	Health 2	.50	12	S	None	No	No	No	No
231459	Yoga Core Fitness	.50	9-12	S	None	No	Yes	No	No
231409	Recreational Basketball	.50	9-12	S	None	No	Yes	No	No
231319	Rec Sports & Conditioning	.50	9-12	S	None	No	Yes	No	No
232249	Strength & Conditioning	.50	9-12	S	None	No	Yes	No	No
232269	Advanced Strength & Conditioning	.50	9-12	S	Strength & Conditioning	Yes	Yes	No	No

+Indicates NCAA Approved Core Courses

\* There is no fee for any PE courses. Students will need a school issued PE t-shirt, the first one will be provided free of charge, if the student loses their shirt or would like to purchase a second one, the cost is \$10. A PE shirt is required in all PE classes.

### 232139 Physical Fitness 1

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level (REQUIRED):** 9

This required PE class is designed for 9th grade students to improve their core and overall strength, fitness level, body sculpting, and also clarify PE expectations (class will take place in the gym). This class is designed to introduce fitness concepts using bodyweight exercises. **NOTE:** This class will **NOT** be a good fit for students with competitive and very focused strength training desires. Students will learn the different muscle groups being used by different movements and will understand the long term benefits of exercise and physical fitness.

### 140919 Health 1

**Length of Class:** Semester

**Prerequisite:** Personal Development 1

**Grade Level(s):** 10 (Required)

Students will be engaged in the following content areas during this class: wellness & nutrition, mental health, sexual health which includes; healthy relationships, sexuality, gender identity & sexual orientation, reproductive systems, STI's including HIV, and drugs and alcohol. Additionally, all students during this course will update and complete their career portfolio as well as prepare for the Mock Interview as part of their requirement for the Career Related Learning Standards required for graduation. Students will also be required to type an essay, in response to their overall career experience, as part of the CRLE.

### 232239 Physical Fitness 2

**Length of Class:** Semester

**Prerequisite:** Physical Fitness 1

**Grade Level(s):** 9, 10, 11, 12

This elective PE class is designed for students who want to take the next step to improve their core and overall strength, fitness level, and body sculpting (class will take place in the gym). This class is designed to expand on fitness concepts learned in Physical Fitness 1. It will also allow students to improve their cardiovascular fitness and muscular endurance. **NOTE:** This class will **NOT** be a good fit for students with competitive and very focused strength training desires. Students will learn the long term benefits of exercise and physical fitness.

### 140929 Health 2

**Length of Class:** Semester

**Prerequisite:** Personal Development 3

**Grade Level(s):** 12 (required)

Students will participate in health-related and skill-related fitness activities in the classroom, in the gym, and on the playing field. During the fitness part of this course, students will be required to dress in Sam

Barlow issued PE t-shirt and appropriate athletic shorts, sweats or tights. They will be directed through a series of fitness activities,

including flexibility, agility, strength building, and cardiovascular training. In the classroom, students will be exploring health-related topics such as: Nutrition, Personal Fitness and Wellness, Drugs & Alcohol, Mental Health, Erin's Law, Scholarship & FAFSA, Campus Safety, and various other topics. While in the classroom, students will also complete their Career Related Learning Experience required by finishing their individual career folder for their Senior Project. Students will also develop an understanding of Erin's Law and the importance of consent in relationships, recognize signs of sexual abuse and knowing how to report it. Students will participate in 2, one-week sessions in the pool. They will be required to bring their own swimsuit and towel. Students who are not strong swimmers, or cannot swim, are allowed to stay in the shallow end of the pool and modify their activity.

### 231459 Yoga - Core Fitness

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Students will have the opportunity to explore a variety of physical activities to improve and develop physical, mental and emotional health. Activities include yoga, Pilates, water fitness/swimming, aerobic fitness, fitness walking, and circuit training. Students will participate in SMART goal setting to improve an aspect of health/fitness which is important to the student. Grading will be based on participation in class activities, individual improvement, and compliance with the Barlow Physical Education guidelines. Each day students will be required to dress in Sam Barlow issued PE t-shirt and appropriate athletic pants/shorts.

### 231319- \*Recreational Sports and Conditioning

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Students will learn a variety of competitive coed sports: flash football, soccer, basketball, floor hockey, team handball, softball, volleyball, and other selected games. Physical fitness and selected speed and agility drills will also be a part of class activities. Evaluation will be based on participation in activities and how well students follow the Barlow Physical Education guidelines. Students will be required to dress in Sam Barlow issued PE t-shirt and appropriate athletic shorts, sweats or tights.

### 232249 Strength and Conditioning

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s): 9, 10, 11, 12**

Students will learn correct weight lifting techniques for all lifts, how a planned program in weight training can help them obtain personal physical fitness and an opportunity to experience this development. Students will participate in activities related to individual programs and demonstration of technique and knowledge of lifting fundamentals. Students will be required to dress in Sam Barlow issued PE t-shirt and appropriate athletic shorts, sweats or tights.

**232269 Advanced Strength and Conditioning****Length of Class: Semester****Prerequisite: Strength and Conditioning****Grade Level(s): 9, 10, 11, 12**

Students will learn advanced body training methodologies and will include vigorous workouts daily. It will focus on multiple concepts of physical fitness and strength training. This course will fit for students who are motivated and committed to daily strenuous workouts. Some of these will

include: weight training (core + auxiliary lifts), Resistance training, HIIT workouts, Cross-Fit style workouts, etc.

**231409 Recreational Basketball****Length of class: Semester****Prerequisite: None****Grade Level(s): 9, 10, 11, 12**

Students will learn rules (including officiating), strategy, and game play for the sport of basketball. Students will participate in individual and team drills as well as play modified and standard basketball games to develop cardio-respiratory fitness and coordination including, but not limited to: 1v1, 3v3, 5v5, shooting competitions, and foul shot competitions.

Students will also be expected to demonstrate proper rules, strategies and sportsmanship. Students will be empowered to make wise choices, meet challenges, and develop positive behaviors in team activities, aerobic fitness, wellness, and movement activity for a lifetime activity.

**Health / PE (Required)**

<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
Physical Fitness 1	Health 1		Health 2

**Electives (Not Grade Level Specific)**

Rec Sports & Conditioning	Rec Sports & Conditioning	Rec Sports & Conditioning	Rec Sports & Conditioning
Physical Fitness 2	Physical Fitness 2	Physical Fitness 2	Physical Fitness 2
Strength & Conditioning Advanced Strength & Conditioning	Strength & Conditioning Advanced Strength & Conditioning	Strength & Conditioning Advanced Strength & Conditioning	Strength & Conditioning Advanced Strength & Conditioning
Yoga Core Fitness	Yoga Core Fitness	Yoga Core Fitness	Yoga Core Fitness
Recreational Basketball	Recreational Basketball	Recreational Basketball	Recreational Basketball

# ENGLISH - Four Year Plans Based on Post High School Options - ENGLISH

The information below has been developed as an outline based on the *minimum competitive* requirements.  
Students may select to engage in the most rigorous and competitive academic program regardless of their post high school choice.

Grade Level	Private Colleges and Universities; Military Academies	Oregon University System; ROTC	Community College Associates Degree	Technical/Trade School or Certification Program	Military and Workforce
9 <sup>th</sup> Grade	Pre AP Language Arts 9	Pre AP Language Arts 9	Pre AP Language Arts 9	Pre AP Language Arts 9	Pre AP Language Arts 9
10 <sup>th</sup> Grade	Pre AP Language Arts 10	Pre AP Language Arts 10	Pre AP Language Arts 10	Pre AP Language Arts 10	Pre AP Language Arts 10
11 <sup>th</sup> Grade	AP Language and Composition	English 5-6 <b>or</b> AP Lang and Comp <b>or</b> *College Prep English 11 (Writing 115 and Reading 117)  <b>Charter School Options</b> CAL	English 5-6 <b>or</b> *College Prep English 11 (Writing 115 and Reading 117)  <b>Charter School Options</b> CAL	English 5-6  <b>Charter School Options</b> CAL	English 5-6  <b>Charter School Options</b> CAL
12 <sup>th</sup> Grade	AP Literature & Composition <b>or</b> *Writing 121/122	English 7-8 <b>or</b> AP Literature & Composition <b>or</b> *Writing 121/122  <b>Charter School Options</b> CAL	English 7-8 <b>or</b> *Writing 121/122  <b>Charter School Options</b> CAL	English 7-8  <b>Charter School Options</b> CAL	English 7-8  <b>Charter School Options</b> CAL
<b>Sample Options</b>	Harvard, Stanford, Lewis and Clark, UC Berkeley, Willamette	University of Oregon Oregon State Western, Southern, Eastern Oregon	Mount Hood CC Clackamas CC Portland CC	Mount Hood CC Clackamas CC Portland CC Technical and Trade School	Armed Forces Workforce

\*Courses qualify student for Articulated Credits.

## Language Arts

No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeated for Credit	College Credit Available	Fee
211000&1	+Pre AP Language Arts 9	1.0	9	Year	Rec	Yes	No	No	No
100251&2	+ Pre AP Language Arts 10	1.0	10	Year	Rec	Yes	No	No	No
100341&2	+English 5-6	1.0	11	Year	None	No	No	No	No
100441&2	+English 7-8	1.0	12	Year	None	No	No	No	No
101251&2	+AP Language & Composition	1.0	11-12	Year	Rec	Yes	No	No*	AP Exam
101351&2	+AP Literature & Composition	1.0	12	Year	Rec	Yes	No	No*	AP Exam
100531&2	+College Prep English 11	1.0	11	Year	Rec	Yes	No	Yes*	No
101201/301	+Writing 121-122	1.0	12	S	Rec	Yes	No	Yes*	No

+Indicates NCAA Approved Core Courses

\*Most institutions accept a score of 3 or higher on the AP test for college credit. Check with the institution that you want to attend.

### 100151&2- Pre AP Language Arts 9

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9

Pre-AP Language Arts 9 focuses on reading, writing, and language skills that are relevant to students' current work and essential for students' future to future high school and college coursework.

Texts take center stage, preparing students for close, critical reading and analytical writing. The course trains readers to observe small details in a text to arrive at a deeper understanding of the whole. It also trains writers to create complex sentences—building this foundational skill en route to sophisticated, longer-form analyses.

Students have multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study and will:

- Read closely and analyze a range of complex literary and informational texts.
- Evaluate textual evidence and incorporate it effectively in writing and speaking.
- Understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners.

### 100251&2-Pre AP Language Arts 10

**Length of Class:** Year

**Prerequisite:** Recommended to have an A or B in prior English class.

**Grade Level(s):** 10

Pre-AP Language Arts 10 builds on the foundations of Pre-AP English 1. While English 1 introduces the fundamentals of close observation, critical analysis, and the appreciation of author's craft, English 2 requires students to apply those practices to a new array of nonfiction and literary texts. As readers, students become aware of how poets, playwrights, novelists, and writers of nonfiction manipulate language to serve their purposes. As writers, students compose more nuanced analytical essays while never losing sight of craft and cohesion.

Students have multiple opportunities to prioritize and strengthen key literacy skills throughout their course of study.

Students will:

- Read closely and analyze a range of complex literary and informational texts.
- Evaluate textual evidence and incorporate it effectively in writing and speaking.
- Understand how writers and speakers use specific words and sentences to move the thoughts, emotions, and actions of readers and listeners.

### 100341&2-English 5-6

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 11

English 5-6 is a year long class which focuses on helping students achieve grade level proficiency in reading, writing, and critical thinking. Students will think critically and creatively as they analyze various works of American Literature through oral and written responses. Students will develop their understanding and use of literary terminology and vocabulary specific to literature. Students will further refine their use of the writing process to produce coherent and interesting writing, specifically, the Argumentative Essay. Students will prepare and practice for the Smarter Balanced Assessment and will be given opportunities to meet the Essential Skills requirements in Reading and Writing.

### 101251&2-AP Language and Composition

**Length of Class:** Year

**Prerequisite:** Recommended to have an A or B in prior English class.

**Grade Level(s):** 11-12

**Fee:** AP Exam

AP English Language and Composition is structured to help students become skilled readers of a wide-range of prose written in a variety of disciplines and rhetorical contexts. Students will also become skilled writers with emphasis in expository, analytical, and argumentative writing that forms the basis of academic and professional communication. Through both reading and writing, students will develop an awareness of the interactions among a writer's purposes, audience expectations, and subjects. Summer homework is required.

### 100531&2-College Prep English 11

**Length of Class:** Year

**Prerequisite:** Recommended to have an A or B in prior English class.

**Grade Level(s):** 11-12

This course introduces students to college-level writing that is informed by critical thinking and the ideas of others as found in texts. The primary focus is on writing short analytical, expository essays based on readings, outside materials and, to a lesser extent, personal experience. Summary writing, organization, development, sentence style, grammar and beginning documentation also are stressed. Information literacy is introduced. Further emphasis is on improving higher-level comprehension skills as well as critical and analytical skills as they relate to college and life experience. Because this course serves as an introduction to college writing, skills essential for success in Writing 121/122 will be introduced in College Prep 11. Successful completion of this class will earn the student 7 transferable college credits.

**100441&2-English 7-8****Length of Class:** Year**Prerequisite:** None**Grade Level(s):** 12

Students will read from a variety of literary and informational texts including novels, short stories, nonfiction selections, plays, and poetry. Students will be required to write an advanced narrative, a research-based argument essay, and a minimum of two additional essays. Students will examine the choices an author makes to influence his/her audience including use of rhetoric, word choice, point of view, emphasis, and tone. Literary analysis and synthesis skills will be further developed in the course of the class

**101351&2-AP Literature and Composition****Length of Class:** Year**Prerequisite:** Recommended to have an A or B in prior English class.**Grade Level(s):** 12**Fee:** AP Exam

An AP English Literature and Composition course engages students in the careful reading and critical analysis of classical literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes as well as such smaller-scale elements as the use of figurative language, imagery, symbolism, and tone. The course includes intensive study of representative works from various genres and periods, concentrating on works of recognized literary merit. Writing assignments

focus on the critical analysis of literature and include expository, analytical, argumentative, and on-demand essays. Although critical analysis makes up the bulk of student writing, creative writing assignments will also be offered. The goal of both types of writing assignments is to increase students' ability to explain clearly, cogently, even elegantly, what they understand about literary works and why they interpret them as they do. Throughout the course, emphasis is placed on reaching stylistic maturity in writing. Summer homework is required.

**101201/301 Writing 121-122****Length of Class:** Year**Prerequisite:** Recommended to have an A or B in prior English class.**Grade Level(s):** 12

The focus of these classes is to provide students with college level skills an alternative to the literary emphasis of AP Literature, but maintain the level of rigor that comes with college level material. Writing 121/122 presents reading and writing as a means of exploring, developing and communicating ideas. Students compose essays that support and develop a thesis and learn to develop critical reading and analytical skills. They learn clear and effective communication with an emphasis on understanding audience and the process of written reasoning through the development of information literacy skills. Emphasis is on improving higher-level comprehension skills and critical and analytical writing skills as they relate to college and life experience. Successful completion of this class will earn the student 8 transferable college credits.

Language Arts Required Course Sequence			
Grade 9	Grade 10	Grade 11	Grade 12
Pre AP Language Arts 9	Pre AP Language Arts 10	English 5-6 or AP Language & Comp. or College Prep English 11	English 7-8 or AP Literature or Writing 121/122

# MATHEMATICS - Four Year Plans Based on Post High School Options - MATHEMATICS

The information below has been developed as an outline based on the *minimum competitive* requirements. Students may select to engage in the most rigorous and competitive academic program regardless of their post high school choice.

**NOTE: It is HIGHLY recommended that students pursue four years of Mathematics courses when applying to four-year institutions.**

Grade Level	Private Colleges and Universities; Military Academies	Oregon University System; ROTC	Community College Associates Degree	Technical/Trade School or Certification Program	Military and Workforce
9 <sup>th</sup> Grade	Integrated Math 2 or Accelerated Math 2-3	Algebra 1 or Integrated Math 2	Algebra 1	Algebra 1	Algebra 1
10 <sup>th</sup> Grade	Algebra 2 or <b>*PreCalculus</b>	Integrated Math 2 or Algebra 2 or Accelerated Math 2-3	Integrated Math 1.5 or Integrated Math 2	Integrated Math 1.5 or Integrated Math 2	Integrated Math 1.5 or Integrated Math 2
11 <sup>th</sup> Grade	*Pre-Calculus or <b>*AP Calculus</b>	Algebra 2 or *Pre-Calculus  <b>Charter School Options CAL</b>	Int. Math 2 or Statistics or Algebra 2 <b>Charter School Options CAL</b>	Int. Math 2 or Statistics  <b>Charter School Options CAL</b>	Int. Math 1.5 or Int. Math 2  <b>Charter School Options CAL</b>
12 <sup>th</sup> Grade	*AP Calculus AP Statistics or <b>*AP Statistics</b> or <b>*AP Calculus BC</b>	*Pre-Calculus or Calculus or *AP Calculus or Statistics or AP Statistics <b>Charter School Options CAL</b>	Statistics or Algebra 2 or *Pre-Calculus or AP Statistics <b>Charter School Options CAL</b>	     <b>Charter School Options CAL</b>	     <b>Charter School Options CAL</b>
<b>Sample Options</b>	Harvard, Stanford, Lewis and Clark UC Berkeley, Willamette University	University of Oregon Oregon State Western, Southern, Eastern Oregon	Mount Hood CC Clackamas CC Portland CC	Mount Hood, Clackamas, or Portland CC Technical and Trade School	Armed Forces Workforce

\*Courses qualify student for Articulated College Credits

## Mathematics

No.	Name	Credit	Grade	Length	Pre-Requisite	Repeated for Credit	College Credit Available	Fee
203141&2	Algebra 1	1.0	9	Year	None	N	N	N
203301&2	Integrated Math 1.5	1.0	10-12	Year	Int. Math 1	N	N	N
203251&2	+Integrated Math 2	1.0	9-11	Year	Int. Math 1 Int. Math 1.5	N	N	N
204141&2	Algebra 2	1.0	9-12	Year	Int. Math 2 (C or better)	N	N	N
212000&1	+Accelerated Math 2-3	1.0	9-10	Year	Int. Math 1 (A or B) and teacher recommendation	N	N	N
206501&2	Statistics	1.0	11-12	Year	Int. Math 2	N	N	N
206061&2	AP Statistics	1.0	11-12	Year	Int. Math 3 Pre-Calculus (C or better)	N	Y	AP Exam
205341&2	+Pre-Calculus	1.0	10-12	Year	Int. Math 3 (A, B or C)	N	Y	N
205841&2	+Calculus	1.0	11-12	Year	Pre-Calculus (C or better)	N	N	N
205851&2	+*AP Calculus A/B	1.0	11-12	Year	Pre-Calculus (A or B) Calculus	N	Y*	AP Exam
205961&2	+*AP Calculus B/C	1.0	11-12	Year	AP Calc. A/B (A or B)	N	Y*	AP Exam

+Indicates NCAA Approved Core Courses

\*Most institutions accept a score of 3 or higher on the AP test for college credit. Check with the institution that you want to attend.

### 203141&2 - Algebra 1

**Length of Class: Year**

**Prerequisite - None**

**Grade Level - 9**

**Credits: 1**

**Materials/Requirements/Fees: Scientific Calculator (i.e. TI30XS Multi-view, Casio fx-82es Plus)**

In the first course in Algebra the representation of functions is used as a unifying theme. Students are introduced to linear, quadratic, exponential and polynomial functions through graphical, numerical and symbolic representations. Students learn to solve linear equations, inequalities, systems of equations and quadratic equations. They deepen their understanding of basic algebraic concepts using hands-on activities, technology lessons and problem-solving and developing confidence in their ability to think mathematically as they work both individually and collaboratively.

### 203301&2-Integrated 1.5

**Length of Class: Year**

**Prerequisite: None**

**Grade Level(s): 10, 11, 12**

**Materials/Requirements/Fees: Scientific calculator is required.**

This course is designed as an intermediate step between Integrated Math 1 and Integrated Math 2. Upon successful completion of the course, the students will be ready to move onto Integrated Math 2. This course will cover solving equations, systems of equations, functions, quadratics, exponents, and geometric relationship of angles, parallel lines, transversals, and triangle sums.

### 203251&2-Integrated Math 2

**Length of Class: Year**

**Prerequisite: Integrated Math 1 or Int. Math 1.5**

**Grade Level(s): 9, 10**

**Materials/Requirements/Fees: Scientific calculator is required. TI-83 or TI-84 Plus graphing calculator is recommended; TI-89's are not allowed.**

This is a college preparatory course. Students will expand their understanding of topics such as quadratic and other functions.

Students will also explore polynomial equations and factoring, and probability and its applications. Coverage of geometry topics extends to polygon relationships, proofs, similarity, trigonometry, circles, and three-dimensional figures.

### 212000&1-Accelerated Integrated Math 2/3

**Prerequisite: Integrated Math 1 (Grade of A or B) and teacher recommendation**

**Grade Level(s): 9, 10**

**Credits: 1**

**Materials/Requirements/Fees: TI-30 Calculator strongly encouraged**

**Credits: 1**

**Materials/Requirements/Fees: Graphing Calculator (i.e. TI-83 Plus, TI-84, TI-Nspire CX) TI-89's are not allowed**

This course is designed for students who desire a rigorous mathematical challenge and plan to take college-level math classes while at Barlow. Students must earn an A or B average in Integrated Math 1 and have a teacher recommendation for placement in this course. This faster-paced course condenses the topics of Int. Math 2

### 206501&2-Statistics

**Length of Class: Year**

**Prerequisite: Int. Math 2 or higher**

**Grade Level(s): 11, 12**

**Materials/Requirements/Fees: TI-83 Plus or TI-84 Plus graphing calculator is required; TI-89's are not allowed.**

Statistics will focus on the study of analysis of data and analyzing trends to make predictions and inferences based on given information. Students will explore collection and analysis of data making use of graphical and numerical techniques to study patterns and departure from pattern. They will learn to construct a well-developed plan to show validity of data collected. The student will use probability as the tool for anticipating what the distribution of data should look like as a given model. Statistical inference will be used to guide the selection of an appropriate model using chi-squared distributions, binomial, distribution, geometric distribution, proportions, means, normal distributions, and t- distributions.

**206061&2 AP Statistics****Length of Class: Year****Prerequisite: C or higher in Integrated Math 3, Pre-Calculus or Statistics****Grade Level(s):****Materials/Requirements/Fees: TI-83 Plus or TI-84 Plus graphing calculator is required; TI-89's are not allowed.**

Statistics will focus on the study of analysis of data and analyzing trends to make predictions and inferences based on given information. Students will explore collection and analysis of data making use of graphical and numerical techniques to study patterns and departure from pattern. They will learn to construct a well-developed plan to show validity of data collected. The student will use probability as the tool for anticipating what the distribution of data should look like as a given model. Statistical inference will be used to guide the selection of an appropriate model using chi-squared distributions, binomial, distribution, geometric distribution, proportions, means, normal distributions, and t-distributions, all as a means to perform hypothesis tests. Students must have a graphing calculator. Collegiate credit (up to 8 credits) for MTH 243 and MTH 244 may be earned through Mt. Hood Community College.

**205341&2-Pre-Calculus****Length of Class: Year****Prerequisite: Int. Math 3 (Grade of C or better)****Grade Level(s): 10, 11, 12****Materials/Requirements/Fees: TI-83 Plus or TI-84 Plus graphing calculator is required; TI-89's are not allowed.**

This is a college preparatory course. This course covers material that must be understood before a student begins a college calculus sequence. Topics will include operations with functions and their properties, transformations, trigonometry, analytic geometry, logarithms, vectors, sequences and series. Collegiate credit (up to 8 credits) for MTH 111 and MTH 112 may be earned through the Oregon Institute of Technology.

**205841&2-Calculus****Length of Class: Year****Prerequisite: Pre-Calculus (Grade of C or better)****Materials/Requirements/Fees: TI-83 Plus, TI-84 Plus or TI-89 graphing calculator is required.**

This is a college preparatory course. Students in this course will learn first year calculus via limits, derivatives, integrals, functions, and plane curves. *No collegiate credit will be available for this course*

**205851&2-AP Calculus A/B****Length of Class: Year****Prerequisite: Pre-Calculus (Grade of B or better)****Grade Level(s): 11-12****Fee: AP Exam****Materials/Requirements/Fees: TI-83 Plus, TI-84 Plus or TI-89 graphing calculator is required.**

This is a rigorous college level course. To enroll in this class, a student must commit to taking the AP exam at the end of the year. Students in this course will learn first year calculus via limits, derivatives, integrals, functions and plane curves. Students will have the opportunity to obtain college credit by taking the AP Calculus national exam. Early Collegial Opportunity credit (up to 8 credits) may be earned for MTH 251 and MTH 252 may be earned through the Oregon Institute of Technology.

**205961&2 AP Calculus B/C****Length of Class: Year****Prerequisite: Teacher Placement****Grade Level(s): 12****Fee: AP Exam****Materials/Requirements/Fees: TI-83 Plus, TI-84 Plus or TI-89 graphing calculator is required.**

This course provides students with an intuitive understanding of the concepts of calculus and experience with its methods and applications while requiring additional knowledge of the theoretical tools of calculus. This course will cover all of the calculus topics in A/B as well as parametric equations, polar coordinates, rigorous definitions of finite and nonexistent limits, sequences and series, advanced techniques of integration and advanced applications of the definite integral.

## **CALCULATORS ARE REQUIRED IN ALL MATH COURSES**

Cell Phones are not allowed in math classes.

Algebra 1, Int. Math 2, and Int. Math 1.5 require a Scientific Calculator.

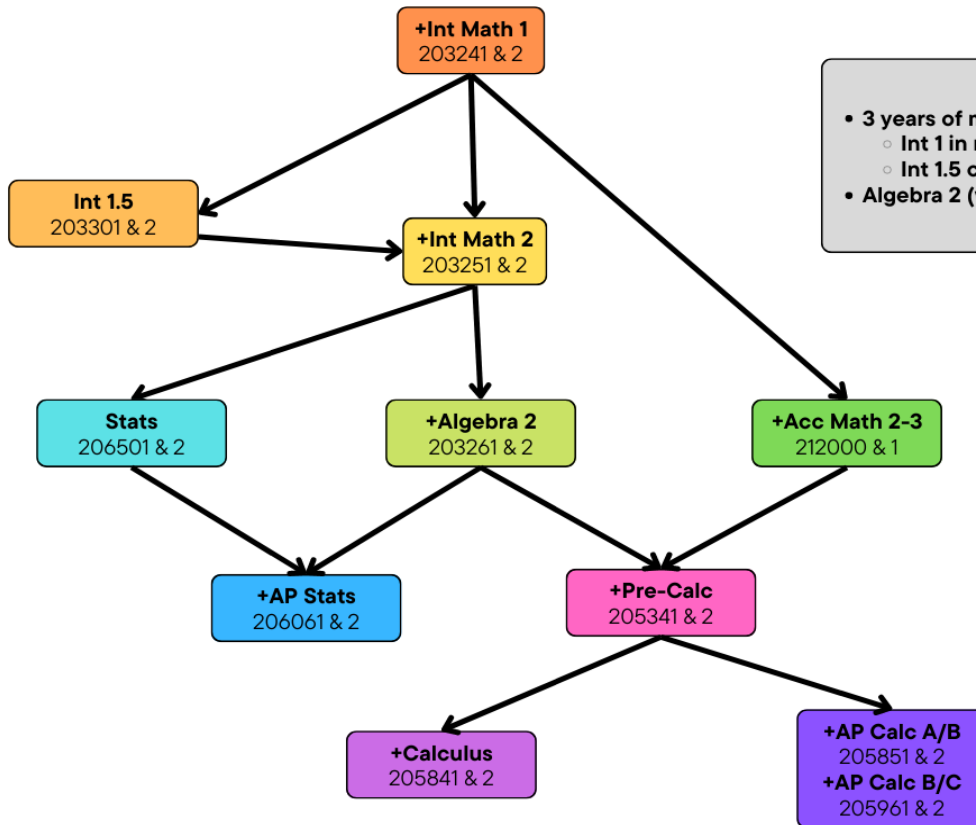
Accelerated Math 2-3 Algebra 2 and above require a Graphing Calculator.

Recommended graphing calculators are the TI-83 Plus or a TI-84 Plus, as our teachers are most proficient with these calculators. Any other type of graphing calculator could hinder the student's progress.

***Please refrain from purchasing a Ti Nspier TI-86, TI-85, or TI-73 Explorer.***

TI-89 calculators are not allowed in any class other than AP Calculus or Calculus.

# Math Pathways



- 3 years of math required for graduation
  - Int 1 in middle school counts
  - Int 1.5 counts
- Algebra 2 (with a C) required by 4 yr colleges

## Music

No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeated for Credit	College Credit Available	Fee
112041&2	Freshman Band	1.0	9	Year	2 yrs. Band	No	Yes	No	No
112141&2	Concert Band	1.0	10-12	Year	Freshman Band	Yes	Yes	No	No
112241&2	Symphonic Band	1.0	10-12	Year	Concert Band	Yes	Yes	No	No
112541&2	Jazz Band	1.0	10-12	Year	Stage Band Concurrent Enrollment in 112040, 112140 or 112240	Yes	Yes	No	No
112641&2	Stage Band	.5-1.0	9-12	Year or Sem.	Concurrent Enrollment in 112040, 112140 or 112240	No	Yes	No	No
112901&2	Bruin Choir	1.0	9-12	Year	None	No	Yes	No	No
113021&2	Treble Choir	1.0	9-12	Year	None	No	Yes	No	No
113031&2	Advanced Treble Choir	1.0	10-12	Year	Instructor Approval	No	Yes	No	No
113011&2	Concert Choir	1.0	11-12	Year	Audition	Yes	Yes	No	No
113061&2	Barlow Sound	1.0	11-12	Year	Audition Concurrent Enrollment in 112011	Yes	Yes	No	No

+Indicates NCAA Approved Core Courses

Students participating in the music program at Sam Barlow receive many opportunities to learn and grow as they participate in a challenging and rigorous program of music education and training. Students enroll in a music program understanding that participation in some evening and weekend events is required. Some groups also require a specific dress or outfit that students are required to provide. Costs for these items are paid for through school fund-raising activities so NO student is denied participation due to financial limitations. Beyond the beginning classes, enrollment each year requires an audition or instructor approval. Selection for advanced classes is based upon talent, work ethic and the needs of the ensemble. Students must audition each year for the advanced classes. For example, Jazz Band only needs one drummer even though there might be several who are eligible, thus only one is selected. Decisions are made by the instructor and are final. Questions about appropriate placement should be made directly to the instructor.

### 112041&2-Freshman Band

**Length of Class:** Year

**Prerequisite:** 2 years of instrumental music

**Grade Level(s):** 9

Students will learn components of music and improve their skills on their instrument. The course includes technical exercises, scales, rhythm counting, and sheet music. Options include performing in the Basketball Pep Band. Students will participate in rehearsals, written/performance evaluations, concerts and festivals, including some required evening and weekend performances.

### 112141&2-Concert Band

**Length of Class:** Year

**Prerequisite:** Freshman Band and Instructor Approval

**Grade Level(s):** 10, 11, 12

Students will improve skills taught in Freshman Band through instruction in rhythm, scales, range, and technique. The music performed will be of a more advanced nature. Performance opportunities also include football and basketball pep bands and optional solo and small ensemble experiences. Students participate in rehearsals, festivals, and written or performance evaluations. Evening and weekend performances are required.

### 112241&2-Symphonic Band

**Length of Class:** Year

**Prerequisite:** Concert Band and Instructor Approval

**Grade Level(s):** 10, 11, 12

**Fee:** \$60

Students will continue working on skills taught in Concert Band and make further strides in developing teamwork, musical skills, music theory, and history, responsibility and be an active contributing member of this outstanding band. This band will challenge students to perform at their highest level of their ability. Students are expected to perform with poise, self-confidence, discipline, responsibility, and musical sensitivity. Performance opportunities also include chamber ensembles, football and basketball pep bands and optional solo and small ensemble experiences. Students participate in rehearsals, festivals, and written or performance evaluations. Entrance to this class is subject to approval based upon instrumentation and voicing as established by the director. Several required rehearsals and performances will be expected.

### 112541&2-Jazz Band

**Length of Class:** Year

**Prerequisite:** Stage Band & Instructor Approval

**Grade Level(s):** 10, 11, 12

Students will learn to understand jazz and rock music, stylistic rhythms and interpretation. Each student will continue to develop his or her abilities to play by working on more complex contemporary music. Rhythms, modes, and chords will be taught to develop improvisation skills. You will participate in rehearsals, written or performance evaluations, concerts and festivals, including some required evening

and weekend performances. Entrance to this class is subject to approval based upon instrumentation/voicing as established by the director. Students must also enroll in either Freshman, Concert or Symphonic Band concurrently.

#### **112641&2-Stage Band**

**Length of Class:** Semester or Year

**Prerequisite:** Concurrent enrollment with Freshman, Concert or Symphonic Band

**Grade Level(s):** 9, 10, 11, 12

Students will learn to develop skills on their instrument. They will be exposed to jazz, rock, and popular music. In addition, each student will learn how to improvise at an introductory level. Students will participate in rehearsals, written or performance evaluations, concerts and festivals, including some required evening and weekend performances. Students must also enroll in either Freshman, Concert or Symphonic Band concurrently.

#### **112901&2-Bruin Choir**

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Tenor and Bass singers will learn to develop basic vocal techniques for stronger singing, concert literature, and the components of music. They will participate in rehearsals, written or performance evaluations and concerts and festivals, including occasional required weekend or evening performances. By the end of the year, students will be singing in three and four part harmony in preparation for Concert Choir auditions.

#### **113021&2-Treble Choir**

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Soprano and Alto singers in Treble Choir will learn to develop basic vocal techniques for stronger singing, concert literature, and the components of music. They will participate in rehearsals, written or performance evaluations and concerts and festivals including occasional required weekend or evening performances. Students will learn to sing in two and three-part harmony in preparation for Concert Choir.

#### **113031&2-Advanced Treble Choir**

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 10, 11, 12

Young treble singers will learn advanced vocal techniques, concert literature, and components of music. Advanced Treble Choir will participate in rehearsals, written or performance evaluations, and concerts and festivals, including occasional required weekend or evening performances. Students will also work at employment skills of punctuality, group process, and calendar planning. By the end of the year, students will be singing in three to four-part harmony to prepare for Concert Choir auditions.

#### **113011&2-Concert Choir**

**Length of Class:** Year

**Prerequisite:** Audition and Instructor Approval

**Grade Level(s):** 10, 11, 12

**Fee:** \$60

This class is a means of learning about the culture and human experiences of world civilizations in a sacred and secular context. Performance literature will be in various musical styles and several languages. Students need to be self-directed and dependable to support the needs of the Choir; working at employment skills of punctuality, group process, and calendar planning. Students will participate in rehearsals, written or performance evaluations, and concerts and festivals, including required evening and weekend performances. Tours and outfits will be paid for by fund-raising or personal contributions. Entrance to this class is subject to approval based upon instrumentation/voicing as established by the director. Students completing this course will have developed multi-lingual and multi-cultural skills in preparation for college choral auditions.

#### **113061&2-Barlow Sound**

**Length of Class:** Year

**Prerequisite:** Audition, Instructor Approval

**Grade Level(s):** 11, 12

Students will learn vocal techniques specialized for ensemble performances of contemporary a cappella literature. They will also develop their understanding of current musical trends and performance factors including staging, costuming, mic technique and choreography. There is a high expectation held concerning work skills of punctuality and calendar planning. Concert outfits and tours will be paid for by fund-raising and/or personal contributions. Entrance to this course is subject to approval based upon a spring audition for the following year's class (see Master Calendar). Students must also be co-enrolled in Concert Choir. During the course of the year, students will develop a cappella appropriate style and music arranging skills in preparation for a cappella music in college and beyo

# SCIENCE - Four Year Plans Based on Post High School Options - SCIENCE

The information below has been developed as an outline based on the *minimum competitive* requirements. Students may select to engage in the most rigorous and competitive academic program regardless of their post high school choice.

**NOTE: It is HIGHLY recommended that students pursue four years of Science courses when applying to four-year institutions.**

Grade Level	Private Colleges and Universities; Military Academies	Oregon University System; ROTC	Community College Associates Degree	Technical/Trade School or Certification Program	Military and Workforce
9 <sup>th</sup> Grade	Chemistry or Physics	Physical Science	Physical Science	Physical Science	Physical Science
10 <sup>th</sup> Grade	Honors Biology	Honors Biology or Biology	Biology	Biology	Biology
11 <sup>th</sup> Grade	*AP Biology or *Anatomy Physiology or *Marine Biology or Chemistry	*AP Biology or *Anatomy Physiology or *Marine Biology or Chemistry  <b>Charter School Options</b> CAL	Green Science or Environmental Biology  <b>Charter School Options</b> CAL	Green Science or Environmental Biology  <b>Charter School Options</b> CAL	Green Science or Environmental Biology  <b>Charter School Options</b> CAL
12 <sup>th</sup> Grade	AP Chemistry or Physics or Untaken Science from Above	Chemistry or AP Chemistry or Physics or Untaken Science from Above <b>Charter School Options</b> CAL	  <b>Charter School Options</b> CAL	  <b>Charter School Options</b> CAL	  <b>Charter School Options</b> CAL
<b>Sample Options</b>	Harvard, Stanford, Lewis and Clark, UC Berkley, Willamette	University of Oregon Oregon State Western, Southern, Eastern Oregon	Mount Hood CC Clackamas CC Portland CC	Mount Hood, Clackamas, Portland CC Technical and Trade School	Armed Forces Workforce

\*Courses qualify student for articulated College Credit.

NOTE: Students may choose to take either Life or Physical Science focus as they choose courses in the sciences. For example, a life science focus might be Anatomy and Physiology during the junior year and AP Biology during the senior year. A physical science focus might be Chemistry during the junior year and Physics during the senior year. Due to the extensive variety of Science courses at Barlow, please discuss options with your current science teacher and/or counselor if you have any questions.

## Science

No.	Name	Credit	Grade	Length	Pre-Requisite	Repeated for Credit	College Credit Available	Fee
170341&2	+Physical Science	1.0	9	Year	No	No	No	No
171141&2	+Biology	1.0	10	Year	Yes	No	No	No
171251&2	+Honors Biology	1.0	10	Year	Yes	No	No	No
171551&2	*+AP Biology	1.0	11-12	Year	Yes	No	Yes*	AP Exam
171341&2	+Anatomy and Physiology	1.0	11-12	Year	Yes	No	Yes	No
179941&2	+Green Science	1.0	11-12	Year	Yes	No	No	No
172141&2	+Chemistry	1.0	11-12	Year	Yes	No	No	No
172241&2	*+AP Chemistry	1.0	11-12	Year	Yes	No	Yes*	AP Exam
173141&2	+Physics	1.0	11-12	Year	Yes	No	No	No
175141&2	+Environmental Science	1.0	11-12	Year	Yes	No	No	No
171111&2	+Marine Biology	1.0	11-12	Year	Yes	No	Yes	No

+Indicates NCAA Approved Core Courses

\*Most institutions accept a score of 3 or higher on the AP test for college credit. Check with the institution that you want to attend.

### 170341&2-Physical Science

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9

Students will learn concepts from physical and earth science as outlined by the Next Generation Science Standards. Students master basic principles concerning Physical Science while utilizing scientific method skills. Major areas of focus are Scientific Method, Measurement, Graphing, Inquiry, Newtonian Physics, Interaction of Energy and Matter, for first semester. Second semester will cover Atomic Structure, Periodic Trends, Chemical Reactions and Bonds. All students will be required to maintain a spiral notebook to be used as an organizational and study tool. This class is a hands-on, laboratory-based science course.

### 171141&2-Biology

**Length of Class:** Year

**Prerequisite:** Physical Science

**Grade Level(s):** 10

Students will learn concepts focused on systems of the living world as outlined in the Next Generation Science Standards. Students will master principles of Biology while utilizing the scientific method. First semesters focus areas will be ecology, biochemistry and cell biology and second semester DNA, genetics and evolution. All students will be required to maintain a spiral notebook to be used as an organizational and study tool. This class is a hands-on, laboratory-based science course.

### 171251&2-Honors Biology

**Length of Class:** Year

**Prerequisite:** Honors Physical Science

**Grade Level(s):** 10

Students will be introduced to the living world using hands-on lab activities, textbook readings and projects. The first semester will focus on the use of the scientific method (inquiry), cell biology, DNA structure and Protein Synthesis. The second semester focuses on genetics, evolution, and ecology. Honors Biology is open to students who wish a rigorous approach to Biology. The course will cover the same topics as Biology but do so with greater depth and complexity. Students who take this course will commit to more homework, more rigorous labs and lab write-ups. Recommended: A, B, or C in Honors Physical Science or an A in Physical Science.

### 171551&2-AP Biology

**Length of Class:** Year

**Prerequisite:** Biology

**Grade Level(s):** 11, 12

**Fee:** AP Exam

The AP Biology course is aligned with both the College Board and Mt. Hood Community College Bio 200 curriculum. The completion of Honors Biology is recommended although not required to take the course. The

first of three terms covers biochemistry, cell parts and function, cell transport, metabolism including photosynthesis and respiration. Second term includes cell communication, cell division, reproduction, DNA, Protein Synthesis, genetics and biotechnology. Third term includes a study of evolution and ecology. The AP Biology test in May is a requirement for the class. In AP Biology, lab skills are emphasized and students will spend approximately one quarter of their time in a lab situation. Students will complete a research style project after the AP exam. Students need to be aware that this is a 200 level series of Biology and will require a substantial amount of time out of class.

### 171341&2-Anatomy and Physiology

**Length of Class:** Year

**Prerequisite:** Biology/Honors Biology  
Chemistry is recommended

**Grade Level(s):** 11, 12

This class is recommended for students interested in the health field or would like to learn more about the human body. The study of Anatomy will include the following body systems: skeletal, muscular, digestion, respiratory system, cardiovascular, endocrine, respiratory, reproductive and nervous systems. Each system will be studied extensively and will include lab activities including dissections. Lab activities include blood pressure, heart rate, blood typing, heart dissections, reflex test, test of your special senses, dissection of eyes, brains and larynx. The class will help students understand health issues throughout their life as well as introduce students to possible career fields in medicine. Medical field trips are possible and include surgical viewings and tours of college science labs. The student will receive college credit through MHCC for this class.

### 179941&2-Green Science

**Length of Class:** Year

**Prerequisite:** Physical Science and  
Biology/Honors Biology

**Grade Level(s):** 11, 12

Green Science will give students the opportunity to gain knowledge as well as hands on experience in a variety of topics relating to sustainability. These topics include: energy sources, fuels, recycling, climate change, ocean acidification, and environmental justice. Students will have a better understanding of the consequences of fossil fuels reliance and the challenges and opportunities of renewable energy. Students will work cooperatively and use communication skills to complete student presentations and projects that focus on the impacts of climate change and pollution on ecosystems, species, and human communities. Effectively utilizing internet research and evaluating sources is an important skill that students will develop.

**172141&2- Chemistry****Length of Class:** Year**Prerequisite:** Integrated 1**Grade Level(s):** 9-12**Materials/Requirements/Fees:** Scientific calculator

This is an extensive lab course. The students will use the lab for experimentation and discovery, with the emphasis on problem solving. They will demonstrate an understanding through written work and lab skills assessment. First semester will focus on physical and chemical properties of nature, the periodic table and chemical reactions. The second semester features stoichiometry, gases, solutions, reaction rates, equilibrium and acids and bases. This is an excellent course to prepare the student for physics, AP Biology, and Anatomy/Physiology.

**172241&2-AP Chemistry****Length of Class:** Year**Prerequisite:** Biology, Geometry**Grade Level(s):** 11, 12**Fee:** AP Exam**Materials/Requirements/Fees:** Scientific calculator

This is a rigorous college level course, and Honors Biology or Chemistry and at least Geometry are recommended prior to enrollment. AP Chemistry is a course geared toward highly motivated students with interests in chemical and physical sciences. AP Chemistry builds on concepts covered in a regular or "honors" chemistry course, in greater detail in concept exploration and laboratory investigation. AP Chemistry topics include atomic theory, chemical bonding, phases of matter, solutions, types of reactions, equilibrium, reaction kinetics, and thermodynamics. Advanced Placement Chemistry offers the opportunity for students to demonstrate their abilities and earn college level credit in chemistry. AP Chemistry is a college level course and success requires a substantial amount of time outside of class. The AP Exam is required for the course.

**173141&2-Physics****Length of Class:** Year**Prerequisite:** 2 years Science with a grade of "C" or higher and completed or concurrent enrollment in Integrated 3 or consent of instructor**Grade Level(s):** 11, 12**Materials/Requirements/Fees:** A scientific calculator is required, metric ruler and graph paper.

In Physics, students will learn to recognize and explain the laws that govern nature. Students will find Physics an adventure in understanding the world around them with a compliment of theory and hands-on experience. Major topics of study include motion, force, energy, momentum, waves, wave applications, and Einstein's Theory of Special Relativity. In all areas, strong emphasis will be placed on problem solving skills and real world applications. Physics is an important course for those students interested in Engineering, Pre-med, Pre-vet, Architecture, Aeronautics and Space related career fields.

**175141&2-Environmental Science****Length of Class:** Year**Prerequisite:** Biology**Grade Level(s):** 11, 12

Students will learn about environmental science and current environmental problems through an interdisciplinary approach that focuses on current environmental issues. Heavy emphasis will be placed on ecology. Students will practice developing methods to scientifically research environmental science questions. They will collect data in the field, analyze it, and draw conclusions. Students will also practice critical thinking skills and learn how to make informed decisions concerning environmental issues. Students must be willing and able to participate in outdoor data collection.

**171111&2-Marine Biology****Length of Class:** Year**Prerequisite:** Honors Biology/Biology, Integrated 1**Grade Level(s):** 11, 12

In this rigorous course students will learn about the biology and anatomy of life in the ocean. The first semester will focus on fish and sharks while the second semester will focus on invertebrates such as jellies, corals, snails, slugs, octopus, squid and crabs. Students will learn comparative anatomical, physiological and behavioral adaptations of marine life to the vast range of environmental conditions of the world's oceans. Students will participate in several dissections including fish, sharks, arthropods and mollusks. Alternatives to the dissections are available. Conservation of marine species and human impacts upon our oceans is also a reoccurring theme within this course. Specific attention will be given to the Oregon tide pools and near shore species. Mt. Hood College Credit is available.

## Social Studies - Four Year Plans Based on Post High School Options - Social Studies

The information below has been developed as an outline based on the *minimum competitive* requirements.  
Students may select to engage in the most rigorous and competitive academic program regardless of their post high school choice.

<b>Grade Level</b>	<b>Private Colleges and Universities; Military Academies</b>	<b>Oregon University System; ROTC</b>	<b>Community College Associates Degree</b>	<b>Technical/Trade School or Certification Program</b>	<b>Military and Workforce</b>
9 <sup>th</sup> Grade	*AP Human Geography	World Studies <b>or</b> *AP Human Geography	World Studies	World Studies	World Studies
10 <sup>th</sup> Grade	*AP European History	Global Perspectives <b>or</b> *AP European History	Global Perspectives	Global Perspectives	Global Perspectives
11 <sup>th</sup> Grade	*AP US History	US History <b>Or</b> *AP US History	US History	US History	US History
12 <sup>th</sup> Grade	*AP Macroeconomics and Honors Government	Government and Economics <b>or</b> *AP Macroeconomics and Honors Government	Government and Economics	Government and Economics	Government and Economics
<b>Sample Options</b>	Harvard, Stanford, Lewis and Clark, UC Berkley, Willamette	University of Oregon Oregon State Western, Southern, Eastern Oregon	Mount Hood CC Clackamas CC Portland CC	Mount Hood, Clackamas, Portland CC Technical and Trade School	Armed Forces Workforce

\*Courses may qualify for College Credit, depending upon performance.

NOTE: Students who take AP Human Geography as freshman can use that credit towards their 3 credit graduation requirement in Social Studies. This would eliminate the need to take Global Perspectives and World History during their freshman and sophomore years. Those who have taken AP Human Geography are encouraged to take AP European History as sophomores.

## Social Studies

No.	Name	Credit	Grade	Length	Pre-Requisite	Repeat for Credit	College Credit Available	Fee
270151&2	*+AP Human Geography	1.0	9	Year	No	No	Yes	AP Exam
027071	+World Studies	.5	9	Semester	No	No	No	No
275241	+Global Perspectives	.5	10	Semester	No	No	No	No
271051&2	AP European History	1.0	10	Year	No	No	Yes*	AP Exam
272971&2	+US History	1.0	11	Year	No	No	No	No
272511&2	*+AP US History	1.0	11	Year	No	No	Yes*#	AP Exam
273249	+Government	.5	12	Semester	No	No	No	No
274149	+ Economics	.5	12	Semester	No	No	No	No
273259	+Honors Government	.5	12	Semester	No	No	No	No
274059	*+AP Macro Economics	.5	12	Semester	No	No	Yes*#	AP Exam

+Indicates NCAA Approved Core Course

\*Most institutions accept a score of 3 or higher on the AP test for college credit. Check with the institution that you want to attend.

# Articulated College Credit offered through Oregon Institute of Technology

### 027071-World Studies

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 9

This semester class will focus on the geography and culture of Africa, Latin America, the Middle East and Asia. Units will include geography fundamentals and understanding of culture, the effect of imperialism and impact of colonialism in Africa, Latin America, the Middle East and Asia. The student will use a variety of research methods and sources while demonstrating what they have learned through persuasive writing and speaking, social science analysis projects, and traditional test taking, which will include common content assessment.

### 270151&2-AP Human Geography

**Prerequisite:** None

**Length of Class:** Year

**Grade Level(s):** 9

**Fee:** AP exam

This is a rigorous college level course. This Advanced Placement Class offers a course and exam in Human Geography to qualified students who wish to complete studies equivalent to an introductory college course in this subject area. The purpose of the course is to introduce students to the systematic study of patterns and processes that have shaped human relationships and the use and alteration of the Earth's surface. Students employ spatial concepts and various analysis techniques to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. The class is offered at the freshman level as the foundation class for the AP offerings in the Social Studies Department at Sam Barlow. Students may also choose to take the class at the upperclassmen level. Students should expect regular reading, writing and associated tasks routinely, both in class and outside of class as part of the course requirements. Students will be systematically prepared to sit for the formal AP exam at the end of the school year. Students will take the Advanced Placement exam (given in the late spring) for possible college credit.

### 275241-Global Perspectives

**Length of Class:** Semester

**Prerequisite:** None

**Grade Level(s):** 10

This semester class has a recent world history and contemporary issues focus. Students will explore the causes, characteristics, lasting influence, and impact of global political, economic, and social developments in world history from the mid 1900s to present day. Students will study issues in Africa, Asia, the Middle East, and Southeast Asia, as well as studying major world religions. The student will use a variety of research methods and sources while demonstrating what they have learned through persuasive writing and speaking, social science analysis projects, and traditional test taking, which will include common content assessment.

### 271051&2-AP European History

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 10

**Fee:** AP exam

This is a rigorous college level course, which is designed to be approachable for the high-level sophomore in high school. To enroll in this class students must commit to taking the AP exam at the end of the year. Students in AP European History will concentrate on the period between about 1350 to the present day--the Early Modern and Modern periods of European history. Emphasis is placed upon lectures and seminars in preparation for the AP exam in the first week of May. Throughout the course, students will be reading from the textbook, other primary and secondary sources, and responding with skills which will be developed over time with practice in class. Students will also participate in classroom debates, group projects and simulations. After the AP exam, students will produce a 5-page research paper on the European History topic of their choice, using multiple sources and citations.

### 272971&2- US History

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 11

This history course is meant to broaden student's understanding of this country's past. The student will learn U.S. History to the 21<sup>st</sup> Century, both chronologically and thematically. They will trace America's growth from an isolationist nation to a global power. Emphasis will be placed on cause and effect relationships. The student will use a variety of research methods and sources while demonstrating what they have learned through writing, speaking, and hands-on projects, along with traditional test taking, which will include common content assessment.

### 272511&2-AP US History

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 11

**Fee:** AP exam

This is a rigorous college level course. To enroll in this class, students must commit to taking the AP exam in May, for possible college credit. Students will study U.S. History from discovery to the present. Students will learn to use analytical skills, to recognize historical themes and apply factual knowledge as preparation for a freshmen college level U.S. History class. Students will participate in classroom discussion, activities and perform on objective and essay tests. Students will develop historical thinking skills in building an argumentative essay. Students can earn college credit, through Oregon Tech in this course.

**273249-Government****Length of Class: Semester****Prerequisite: None****Grade Level(s): 12**

Building on the historical foundation presented in U.S. History, students will focus specifically on the government of the United States. Students will understand their role as citizens of the United States and their impact on the function of government, especially the three branches of government: executive, legislative, and judicial. Local, state, and federal levels in the government will be examined. Anchor activities will include simulations of the branches of government, Health Care Reform Social Science Analysis paper, and persuasive speaking opportunity.

**274149-Economics****Length of Class: Semester****Prerequisite: None****Grade Level(s): 12**

Economics continues to develop the student's understanding of the U.S. economy and the economic role of government covered in previous courses. Students will learn about the United States' mixed economic system, beginning with concepts and principles of how scarce resources are allocated in an economy, the underlying philosophies and characteristics of various economic systems, supply and demand analysis, and the development of economic thought by learning how trade-offs and opportunity costs are decisions that can be measured in terms of costs and benefits. Students will learn about economic indicators that measure economic performance and how the government attempts to maintain economic growth and stable prices. Students will learn and apply Personal Finance skills through Project Based Learning to be prepared for real world decision making.

**273259-Honors Government****274059-AP Macroeconomics****Length of Class: Year****Prerequisite: None****Grade Level(s): 12****Fee: AP exam**

Honors Government students will learn the functions of the three branches of the U.S. Government and will learn important facts, concepts, and theories pertaining to U.S. government and politics. Students will understand typical patterns of political processes and behavior and their consequences. Students will understand the roles, rights, responsibilities, and the participatory obligations of citizens in the United States. Students will be able to analyze and interpret basic data relevant to U.S. government and politics. Students will understand how the United States government relates and interacts with other nations.

This class continues to develop the student's understanding of the U.S. economy and the economic role of government. This is a rigorous college level course. AP Macroeconomics, offered during the second semester gives students a thorough understanding of the principles of macroeconomics that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination, and also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students will also demonstrate the knowledge and skills necessary to make reasoned and responsible decisions as a consumer, producer, saver, and investor in a market economy. Students can earn college credit, through Oregon Tech in this course.

<b>Social Studies Required Courses</b>			
<b>Grade 9</b>	<b>Grade 10</b>	<b>Grade 11</b>	<b>Grade 12</b>
World Studies  Or  AP Human Geography	Global Perspectives  Or  AP European History	US History  Or  AP US History	Government and Economics  Or  Honors Government and AP Macro Economics

## Theatre Arts

No.	Name	Credit	Grade	Length	Pre-Requisite	Instructor Approval	Repeated for Credit	College Credit Available	Fee
111311&2	Theatre 1-2	1.0	9-12	Year	None	No	No	No	No
111321&2	Theatre 3-4	1.0	10-12	Year	Theater 1-2	Yes	Yes	No	No
111331&2	Theatre 5-6	1.0	11-12	Year	Theater 3-4	Yes	No	No	No
111341&2	Theatre 7-8	1.0	12	Year	Theater 5-6	Yes	No	No	No
111219	Theatre Appreciation	.5	9-12	Semester	None	No	No	No	No

### 111311&2-Theatre 1-2

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This class is a yearlong introduction to acting and theatre performance. Students will complete the following units of study: Theatre vocabulary; stage geography; improvisation; theatre games; pantomime; reading and analyzing plays; voice; stage combat; open scenes; creating and developing a character; adapting film to stage; stage dialects; creating commercials; memorization techniques; duo scene performance; and monologue performance.

### 111321&2-Theatre 3-4

**Length of Class:** Year

**Prerequisite:** Theatre 1-2 or Instructor approval

**Grade Level(s):** 10, 11, 12

Students will continue to learn performance skills involving body, voice, and imagination. Participation at the following after-school events are mandatory for passing the class: MHCC Acting Competition, MHCC One-Act Festival, and Oregon Thespians Regional Acting Competition. Students will continue in-class Critique Expression, Theatre Terminology, Directing, Dialects, Auditioning and Playwriting

### 111331&2-Theatre 5-6

**Length of Class:** Year

**Prerequisite:** Theatre 3-4 or Instructor approval

**Grade Level(s):** 11, 12

The goal of this class is to further prepare students for theatrical production, auditioning and for further study, both at the collegiate and professional levels. Units of study include: Directing, Play Production, Playwriting, Dialects, Musical Theatre, Auditioning, Scripted Scenes and Monologues. Participation at the Oregon Thespians Regional Acting Competition is mandatory. Students will continue in-class Performance Critique & Theatre Terminology. All students in this class are highly encouraged to be actively involved in the International Thespian Society.

### 111341&2 Theatre 7-8

**Length of Class:** Year

**Prerequisite:** Theatre 5-6 or Instructor approval

**Grade Levels(s):** 12

The goal of this class is to further prepare students for theatrical production, auditioning and for further study, both at the collegiate and professional levels. Units of study may include: Directing, in-class play production, playwriting, dialects and auditioning, Advanced Scripted scenes and Monologues; Participation at the Oregon Thespians Regional Acting Competition is mandatory. Students will continue in-class Performance Critique & Theatre Terminology. All students in this class are highly encouraged to be actively involved in the International Thespian Society.

### 111219 Theater Appreciation

**Length of Class:** Semester

**Prerequisite:** None

**Grade Levels(s):** 9, 10, 11, 12

This class is Theater for the non-actor. Students will study the history of western theater from ancient Greece to present day. Students will read plays, movie scripts, and one acts to see how theater plays an integral role in our culture. Students will also learn skills and techniques in technical aspects of theatre. Topics of study include analysis of recordings of live theatrical productions, set design, sound design, lighting design, costume design, rig and focus lighting, marketing, and gain an understanding of backstage terms and roles. Some students may choose to serve as members of the technical crew for a Sam Barlow production to utilize their skills and understanding of performance theater.

## World Language

Students are encouraged to complete at least one year of World Language in high school prior to graduation. Most universities require two or more years of the same language for entrance.

No.	Name	Credit	Grade	Length	Pre-Requisite	Repeated for Credit	College Credit Available	
120111&2	+Spanish 1-2	1.0	9-12	Year	None	No	No	At the end of each World Language course, the student must demonstrate proficiency in listening and reading, comprehension, speaking/signing and writing according to the structures taught in that class.
120121&2	+Spanish 3-4	1.0	9-12	Year	Spanish 1-2	No	No	
120131&2	+Spanish 5-6	1.0	10-12	Year	Spanish 3-4	No	No	
120141&2	+Spanish 7-8	1.0	11-12	Year	Spanish 5-6	No	Yes	
120221&2	+Heritage Spanish 1-2	1.0	9-12	Year	None	No	No	
120231&2	+Heritage Spanish 3-4	1.0	10-12	Year	Heritage 1 - 2	No	No	
120511&2	+French 1-2	1.0	9-12	Year	None	No	No	
120521&2	+French 3-4	1.0	10-12	Year	French 1-2	No	No	
120531&2	+French 5-6	1.0	11-12	Year	French 3-4	No	No	
120541&2	+French 7-8	1.0	12	Year	French 5-6	No	Yes	
128111&2	+Am. Sign Lang. 1-2	1.0	9-12	Year	None	No	No	
128121&2	+Am. Sign Lang. 3-4	1.0	10-12	Year	Am Sign. 1-2	No	No	

+Indicates NCAA Approved Core Courses

### 120511&2-French 1-2

#### 120111&2-Spanish 1-2

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Students will learn to communicate through listening, speaking, reading, and writing at a novice level. They will also be introduced to the geography and culture of the countries where the language is spoken. Students will demonstrate their language ability through activities such as: dialogues, interactive drills, letters, conversations, listening practice and grammar exercises. Primary focus is on oral participation. Native speakers should contact their counselor for appropriate placement.

### 120521&2-French 3-4

#### 120121&2-Spanish 3-4

**Length of Class:** Year

**Prerequisite:** Passing grade in first year 1-2

**Grade Level(s):** 9, 10, 11, 12

Students will learn to communicate through listening, speaking, reading, and writing at an intermediate level. They will also be introduced to the geography and culture of the countries where the language is spoken. Students will demonstrate their language ability through activities such as: dialogues, interactive drills, letters, conversations, and listening practice. Primary focus is on oral participation.

### 120531&2-French 5-6

#### 120131&2-Spanish 5-6

**Length of Class:** Year

**Prerequisite:** Passing grade in second year 3-4

**Grade Level(s):** 10, 11, 12

Students will learn to communicate through listening, speaking, reading, and writing at an intermediate advanced level. They will continue studying the geography and culture of the countries where the language is spoken. Students will demonstrate their language ability through activities such as: TPRS stories, real dialogues, interactive drills, letters, conversations, music, and listening practice. Primary focus is on oral participation.

### 120541&2-French 7-8

#### 120141&2-Spanish 7-8

**Length of Class:** Year

**Prerequisite:** Passing grade in third year 5-6

**Grade Level(s):** 11, 12

Students will learn to communicate through listening, speaking, reading, and writing at an advanced level. They will continue to study the history,

geography, and culture of the target language countries. Students will demonstrate their language ability through activities such as conversation, composition, readings, oral presentations, and grammar exercises. Spanish 7-8 students can earn dual credit through Western Oregon University and the Willamette Promise Program.

### 120221&2 Heritage Spanish 1 - 2

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

Heritage Spanish is a course designed specifically for those students who have grown up with the Spanish language, either as a native speaker or used in the home. This class focuses on helping students to strengthen their Spanish speaking skills, practice literacy (reading & writing), and to gain more formal academic Spanish skills.

### 120231&2 Heritage Spanish 3 - 4

**Length of Class:** Year

**Prerequisite:** Heritage 1 - 2

**Grade Level(s):** 10, 11, 12

Heritage Spanish 3 - 4 is a course designed specifically for those students who have grown up with the Spanish language, either as a native speaker or used in the home. This class focuses on the foundations taught and learned in Heritage 1 - 2 and helping students to strengthen their Spanish speaking skills, practice literacy (reading & writing), and to gain more formal academic Spanish skill in their second year of Heritage Spanish.

### 128111&2-American Sign Language 1-2

**Length of Class:** Year

**Prerequisite:** None

**Grade Level(s):** 9, 10, 11, 12

This is a beginning course that will focus on the use and study of American Sign Language (ASL). Students will be introduced to basic grammatical structures, vocabulary, conversational behaviors, and various perspectives on Deaf Culture. The learning of ASL is facilitated through dialogues, skits, and role-playing in order to acquire the ability to communicate at a novice level. Primary focus is on oral participation.

**128121&2-American Sign Language 3-4**

**Length of Class:** Year

**Prerequisite:** Passing grade in  
American Sign Language 1-2

**Grade Level(s):** 10, 11, 12

This course will focus on basic grammatical structures, vocabulary, and conversational behaviors, in American Sign Language (ASL). Students will develop and use language activities, such as stories and skits, in both receptive and expressive models at the intermediate level. Non-manual behavior, ASL structure, and fluency are included to challenge students' ability to increase expressive and receptive skills in ASL. ASL 3-4 students can earn dual credit through MHCC.