

Sam Barlow High School Academic Program Guide

2026-2027



Sam Barlow High School

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2026-2027 Academic Program Policies and Requirements

Welcome to the 2026–2027 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 their 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. Every course each semester earns a half credit with the exception of Advisory which earns .25 credit per semester. Equal opportunity is assured for students in all courses and discrimination is prohibited by federal laws such as Title IX and the Civil Rights Act of 1964.

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 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.

Private Colleges and Universities; Military Academies	Oregon University System; ROTC	Community College Associates Degree	Technical/Trade School or Certification Program	Military	Workforce
HS Preparation Most Rigorous and Competitive Academic Program	HS Preparation Rigorous Academic Program	HS Preparation College Preparatory Program	HS Preparation College Preparatory Program	HS Preparation College Preparatory Program	HS Preparation Diploma Requirements
• Advanced Placement Program	• Advanced Placement Classes • CTE Program Completion	• CTE Program Completion	• CTE Program Completion	• CTE Program Completion	• CTE Program Completion
• Dual Credit Options	• Dual Credit Options	• Dual Credit Options	• Dual Credit Options	• Dual Credit Options	• Dual Credit Options
	Charter School Options • CAL	Charter School Options • CAL	Charter School Options • CAL	Charter School Options • CAL	Charter School Options • CAL
• Participation in National Honors Society, Key Club or other Community Service	• Participation in National Honors Society, Key Club or other Community Service	• Community Service	• Community Service	• Community Service	• Community Service
<u>Sample Colleges</u> Harvard, Stanford, Lewis and Clark, UC Berkeley, Willamette	<u>Sample Colleges</u> University of Oregon Oregon State Western Oregon Southern Oregon	<u>Sample Colleges</u> Mount Hood CC Clackamas CC Portland CC	<u>Sample Options</u> Mount Hood CC Clackamas CC Portland CC Trade School	Armed Forces	Workforce

CTE Classes: Career and Technical Education Classes

Dual Credit Options: College credits and high school credits earned simultaneously in partnership with MHCC, WOU, or OIT (WOU and OIT credits are earned through the Willamette Promise program)

CAL: Charter school in the district for juniors and seniors that offer half-day programs with a specific focus (See the CAL 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 of this 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 th Grade	Pre AP English 1 Physical Science Geo & Data Reasoning AP Human Geography World Language	Pre AP English 1 Physical Science or Algebra 1 or Geo & Data Reasoning AP Human Geography or World Studies World Language	Pre AP English 1 Physical Science Algebra 1 World Studies Elective Programs	Pre AP English 1 Physical Science Algebra 1 World Studies CTE Program(s)	Pre AP English 1 Physical Science Algebra 1 World Studies Elective Programs
10 th Grade	Pre AP English 2 Biology Algebra 2 AP European History World Language	Pre AP English 2 Biology Geo & Data Reasoning or Algebra 2 Global Perspectives or AP European History World Language	Pre AP English 2 Biology Geo & Data Reasoning Global Perspectives World Language CTE Program(s)	Pre AP English 2 Biology Geo & Data Reasoning Global Perspectives World Language CTE Program(s)	Pre AP English 2 Biology Geo & Data Reasoning Global Perspectives World Language CTE Program(s)
11 th Grade	AP Language and Composition AP Biology or Anatomy & Physiology or Marine Biology or AP Chemistry or AP Environmental Science Pre-Calculus AP US History World Language Center for Advanced Learning (CAL)	English 5-6 or AP Lang or Comp College Prep English 11 AP Biology or Anatomy Physiology or Marine Biology or AP Chemistry or AP Environmental Science Algebra 2 or Pre-Calculus AP US History or US History World Language Charter School Options Center for Advanced Learning (CAL)	English 5-6 or College Prep English 11 Environmental Science Algebra 2 or Math for the Trades or Financial Algebra or Statistics US History CTE Program(s) Charter School Options Center for Advanced Learning (CAL)	English 5-6 Environmental Science Algebra 2 or Math for the Trades or Statistics US History CTE Program(s) Charter School Options Center for Advanced Learning (CAL)	English 5-6 Environmental Science Algebra 2 or Math for the Trades or Statistics US History CTE Program(s) Charter School Options Center for Advanced Learning (CAL)
12 th Grade	AP Literature or Writing 121/122 AP Chemistry or Physics or Untaken Science from Above AP Calculus or AP Stats AP Macroeconomics/ Honors Government World Language Additional: One credit of Fine Arts Center for Advanced Learning (CAL)	English 7-8 or AP Literature or Writing 121/122 AP Chemistry or Physics or Untaken Science from Above Pre-Calculus or AP Calculus or AP Statistics AP Macroeconomics/ Honors Government or Government and Economics Charter School Options CAL	English 7-8 or Writing 121/122 Algebra 2 or Pre-Calculus or Statistics or Financial Algebra or Math for the Trades Government and Economics CTE Program Completer Charter School Options CAL	English 7-8 or Writing 121/122 Algebra 2 or Math for the Trades or Statistics Government and Economics CTE Program Completer Charter School Options CAL	English or Writing 121/122 Government and Economics Algebra 2 or Math for the Trades or Statistics CTE Program Completer Charter School Options CAL
Sample Options	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, Clackamas, Portland CCC, 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. A diploma is awarded to a student who has satisfactorily completed a minimum of 24 credits as designated below and their personalized learning requirements. Students in the class of 2029 or later will all be required to meet their Essential Skill requirements.

Minimum High School Graduation Credit Requirements

Subject	Units/ Credits
English/Language Arts	4.0
Social Science	2.5
Civics	.5
Fine Arts, Career & Technology Education, World Language	3.0
Mathematics • 3 credits must be in Algebra 1 or higher. • Middle school students may earn high school math credit (as long as they receive an A or B) at the Algebra 1 level and higher when available at a district middle school. • Middle school Algebra 1 grades <u>will be counted as part of the high school GPA</u>	3.0
Science	3.0
Health	1.0
Physical Fitness	1.0
College and Career Pathways (starting with class of 2028)	.5
Personal Finance	.5
General Electives	5.0
Total Required Units/Credits	24.0
Please note the requirements for the Scholars of Distinction Diploma specifies courses and additional requirements to qualify.	

Essential Skill Requirements – Requirement Suspended through the Class of 2028

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, Pre-ACT, 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, 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.

Personalized Learning Requirements

In addition to credit and Essential Skill 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.

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.

*Essential Skills Requirement for the class of 2029 and later

Career Related Learning Experiences

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 Experiences** (CRLEs) are met when students complete a series of career activities throughout the four years of high school.

Below is an example of some of the opportunities that students have to complete their Personalized Learning (CRLEs and Extended Application).

Sophomores (Health 10): Application Packet and Mock Interview

- Successful completion of the mock interview experience earns a CRLE.

- 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.
- Write a CRLE reflection; this is an essay describing your career related learning experience and reflecting on the career related learning standards.

Seniors (Health 12): Extended Application

- During Health 12, 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

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 an Honors, Dual Credit, or AP course should discuss choices with their caregivers, 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 the AP/Advanced Course Request form must be completed. If approved, students and families must 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. 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 encouraged to take nationally administered examinations as a culminating assessment of their progress and provide feedback to instructors. According to their performance on each exam, those students may receive college credit. 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 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? Are they 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? Are they 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 their 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 seven CTE programs of study pathways as defined below. Students who complete the required 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 Human Resources	
Early Childhood Education Pathway (3 credits required for completion)	Interpersonal Relationships Child Development 1 Child Development 2 Intro to Elementary Education Intro to Secondary Education Education Internships 1 Education Internships 2

Career Area Business and Management		Career Area Industrial and Engineering Systems	
Marketing Pathway (3 credits required for completion)	Introduction to Business Marketing 1-2 Marketing 3-4 Marketing 5-6 Hospitality & Tourism	Construction Technology Pathway (3 credits required for completion)	Introduction to Woods & Construction Woods 1 Woods 2 Woods 3 Construction Trades 1 Construction Trades 2 Construction Trades 3
Hospitality, Tourism/Culinary Pathway (2.5 credits required for completion)	Intermediate Culinary Arts Global Cuisine Baking & Pastry Restaurant Management Advanced Restaurant Management Culinary Independent Studies Hospitality & Tourism	Manufacturing Technology Pathway (2.5 credits required for completion)	Exploring Metals Machining 1 Machining 2 Welding 1 Welding 2 Independent Study of Metal Technology

Dual Credit Programs

Students at Sam Barlow High School can earn college credit through multiple institutions that have a partnership with SBHS. 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 at the corresponding institution. Students will work with their high school teacher to enroll in the college course.

College Articulated Courses

Oregon Institute of Technology			
OIT Course Number	OIT Course Name	OIT Credit	Barlow Course Name(s)
BI 103	Introduction to Human Anatomy and Physiology	4	Anatomy & Physiology
HST 201	US History: Pro-Colonial-1840	3	AP US History
HST 202	US History: 1840-1917	3	AP US History
HST 203	US History: 1910-Present	3	AP US History
Econ 202	Macroeconomics	4	AP Macroeconomics
MTH 111Z	Precalculus I: Elementary Functions	4	Precalculus
MTH 112Z	Precalculus II: Trigonometry & Geometry	4	Precalculus
MTH 251Z	Calculus I: Differential Calculus	4	AP Calculus A/B
MTH 252Z	Calculus II: Integral Calculus	4	AP Calculus A/B
Western Oregon University: Willamette Promise			
WOU Course Number	WOU Course Name	WOU Credit	Barlow Course Name(s)
ED 220	Foundations of Education	3	Child Development 2
ED 200	Intro to Early Childhood	3	Education Internship 1
Span 101-103	First Year Spanish*	Up to 12*	Spanish 7-8 Heritage Spanish 3-4
Span 201-203	Second Year Spanish*	Up to 12*	Spanish 7-8 Heritage Spanish 3-4
Mt. Hood Community College: College Now			
MHCC Course Number	MHCC Course Name	MHCC Credit	Barlow Course Name
BI 103B	General Biology: Intro to Ecology and Evolution	4	Marine Biology
WR 121	English Composition	4	WR121
WR 122	English Composition: Critical Thinking	4	WR122
IMTL 171	Welding Certificate Program Lab I*	1	Welding 2
IMTL 172	Welding Certificate Program Lab II*	1	Welding 2
IMTL 173	Welding Certificate Program Lab II*	1	Welding 2

*The Spanish credit is a range from **SPN 101-203**. After taking the test, students are placed into a specific class. They get credit for that class, plus up to the 2 leading up to it. College credit accrual is based on their language proficiency exam.

* IMTL 171, 172 and 173 credits are not transferable and only valid if a student joins the MHCC Integrated Metals Program and will be added to a student's MHCC transcript upon completion of the Integrated Metals Program. Students who are not participating in MHCC's program should not choose to sign up for the MHCC credits as they will be deducted from their allotted credits offered through Oregon Promise.

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. Grades submitted are transcribed to the student's permanent college transcript.

Additional Credit Options

Option	Location	Required/ Elective	Credit Recovery Initial Credit	Procedure
Summer School	Barlow	R	CR	Sign up with Counselor
Twilight Credit Recovery	Barlow	R	CR	Sign up with Counselor
Online Courses (Edgenuity)	Barlow	R/E	CR	Sign up with Counselor
Courses at Other Institutions	Home	R/E	CR/Initial	Prior approval through administrator; student must pay accredited institution
College Classes	MHCC Other	R/E	Initial	Prior approval through administrator; student must pay accredited institution

College Courses for High School Credit

High school students may attend classes at a post secondary institution with prior administrative approval for courses that are not offered at Sam Barlow High School. Approved courses taken at another institution 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.

Courses at Other Institutions & Online 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 courses at other accredited institutions. 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 administrator. Courses offered by an accredited institution that match existing Sam Barlow curriculum and are approved in advance by the student's administrator 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 credits from other institutions 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 outside courses must be on file with the registrar 14 days prior to the commencement date.

Summer School Credit Recovery Courses

Students will have the opportunity during the summer to take credit recovery classes to make up credits they did not pass during the school year. 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 waived or reduced. Please see the bookkeeper for additional information.

Twilight Credit Covery

Twilight is an after school credit recovery program that generally runs one to two sessions per school year. Each course meets one day per week. These courses are taught in-person on Barlow's campus. Course offerings are limited and students should work with their counselor to get signed up.

Edgenuity

Edgenuity is an online credit recovery program. Most students are concurrently enrolled in the elective course, *Empower and Connect*, where they receive extra support for their Edgenuity courses.

CENTER FOR ADVANCED LEARNING (CAL)



Get ready to LOVE what you do!

CAL is where curiosity meets opportunity. Students explore their interests, gain hands-on experience, and discover what drives them. From day one, you're encouraged to think big, take creative risks, and develop the skills that lead to success—whether in college, a career, or both.

7 Unique Career Pathways

Health Science: Medical | Dental | Manufacturing & Engineering | Media Lab | Tech Lab | Change Lab (Entrepreneurship) | FAB Lab

Master the Skills for College and Career:

Growth at CAL is defined by mastering the essential skills that professional industries demand:

- **Professionalism & Adaptability:** Take creative risks and take responsibility for your own learning.
- **Problem Solving & Critical Thinking:** Solve real-world workplace problems alongside industry experts.
- **Collaboration & Communication:** Contribute to high-performing teams and present innovative ideas.

The CAL Advantage

- **College Head Start:** Earn 20+ college credits and save thousands in tuition.
- **Proven Success:** Join a culture of excellence boasting a 99% **graduation rate**.
- **Grow Your Social Capital:** Remain active in your home school's athletics and social events while building a professional network at CAL.
- **Real-Time Credits:** All CAL classes satisfy elective and/or core classes for your diploma.

Apply Now: www.calcharter.org/apply

To enter the enrollment lottery, complete your application today. Once submitted, it will be sent to your counselor for review. Additional lotteries will be run for new applications after the initial March lottery



2026-2027 CAL PROGRAMS & CLASSES

CHANGElab - Entrepreneurs create their businesses! Students will launch their businesses in partnership with local business leaders and mentors!

A Year- (AM or PM CAL Schedule)

Strategic Marketing – .5 credit
Business Communications – .5 credit
Personal Finance – .5 credit
Business Finance – .5 credit
Entrepreneurship Lab – 1.0 credit
English – 1.0 credit

Total college credits available over the 2-year program: 24

Tech Lab - 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.

Year One (PM CAL Schedule)

Intro to Computer Science/CS 160 – 1.0 credit
Web Programming – .5 credit Tech Lab Studio – .5 credit
Intro to Info Technology – 1.0 credit
English – 1.0 credit

Year Two (AM CAL Schedule)

Advanced Computer Science/CS 161 – 1.0 credit
Electronics – 1.0 credit
Advanced Cybersecurity – 1.0 credit
English – 1.0 credit

Total college credits available over the 2-year program:

Dental Health Sciences – Earn certification in Dental Radiology and be a Dental Assistant!

Learn primary patient care using dental equipment and charting, and obtain certification. Classes are aligned with college training programs.

Year One (PM CAL Schedule)

Medical Terminology – 1.0 credit
Medical Biology – 1.0 credit
Dental Applications & Practices in Healthcare I – 1.0 credit
English – 1.0 credit

Year Two (AM CAL Schedule)

Anatomy & Physiology (BI 121) – 1.0 Science credit
Dental Applications & Practices II – 1.0 credit
Dental Radiology – 1.0 credit
English – 1.0 credit

Total college credits available over the 2-year program: 20

FAB Lab - Fashion, Art, and Branding - Design and build your own apparel line!

Students interested in designing apparel, accessories, and wearable technology learn all the skills necessary in this program.

A Year (AM or PM CAL Schedule)

Fashion Sewing & Construction I or II – 1.0 credit
History of Fashion - 1.0 credit
Survey of Visual Arts – 1.0 credit
English – 1.0 credit

Total college credits available over the 2-year program: 12

Media Lab - Build a professional portfolio! Learn to create and design graphics, photography, and broadcast television/podcast shows using state-of-the-art digital photo and film/video/audio equipment. Work alongside experts in the creative services industry!

A Year (AM or PM CAL Schedule)

Digital Photography & Imaging – 1.0 credit
Audio Engineering – 1.0 credit
Intro to Video – 1.0 credit
English – 1.0 credit

Total college credits available over the 2-year program: 21

Health Sciences, Medical – Learn primary 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.

Year One (AM or PM CAL Schedule)

Medical Terminology I – 1.0 credit
Medical Biology – 1.0 Science credit
Applications & Practices in Health Care I – 1.0 credit
English – 1.0 credit

Year Two (AM or PM CAL Schedule)

Anatomy & Physiology – 1.0 Science credit
Health Science Studio – .5 credit
Senior Capstone - .5 credit
Applications and Practices in Healthcare II – 1.0 credit
English – 1.0 credit

Total college credits available over the 2-year program: 20

Mechanical Engineering & 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!	
<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 Manufacturing Studio – .5 credit Manufacturing Capstone – .5 credit English – 1.0 credit

Total college credits available over the 2-year program: 19

CAL Morning Schedule		CAL Afternoon Schedule	
A Day – Periods 1 & 2	B-Day – Periods 5 & 6	Home High School Morning Schedule	
Home High School Afternoon Schedule		A Day – Periods 3 & 4	B-Day – Periods 7 & 8

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



O: 503.258.4790 F: 503.258.4791

50 NW Fifth St • Gresham, OR 97030

Metro East Web Academy (MEWA) is a FREE online K-12 public charter school approved by the Oregon Department of Education. The school's web-based curriculum meets Oregon state standards and all instruction is provided by highly qualified teachers. We offer a k-12 online program, a GED program, and an Early College and CAPP (Career and Professional Pathways) option.

Our Mission

At Metro East Web Academy, we care about the whole child. We believe all children should have access to a great education, while also understanding that our children need to feel well socially and emotionally to be able to succeed academically. Where the classic 'reading, writing, and arithmetic' are the meat and potatoes of a robust education, social and emotional learning is the seasoning.

At MEWA, we follow all Oregon state educational guidelines, while taking it a step further and incorporating material to help build confidence, resilience, and success. Lessons about tackling stress, managing anxiety, building healthy relationships, self-advocacy, and understanding the perspectives of others are incorporated into homeroom lessons taught by our school counselors.

No two children learn in the same way or thrive best in the same environment. Here at MEWA, our mission is to provide multiple pathways for student success while breaking down educational barriers to help create equity, opportunities, and success for students with a diverse range of needs.

Each MEWA student receives a personalized education program designed to meet their unique needs. We allow students to login anytime, anywhere, and the online learning process is supported in a variety of ways:

- Daily e-mail communication with teachers
- Face-to-face check-in sessions with instructors
- Field trips and community service projects with other MEWA students
- Access to grade level Student Success leaders for extra help and communication
- Optional daily virtual Support Labs for accountability and assignment help
- Optional daily on-campus Support Labs for accountability, assignment help, and face-to-face time with instructors

Metro East Web Academy is specifically designed to be a safe, inclusive option for students in elementary, middle, or high school who find that a traditional classroom setting does not meet their needs. Whether your student feels held back by a traditional school or feels disengaged, disenchanted, or unsafe for any reason, there's a place for them here at MEWA.

MEWEBACADEMY.ORG

College Entrance Requirements for the Class of 2027

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.

SBHS graduation requirements		Oregon Public University- Freshman admission requirements (Minimum)	
Subject	Credits	Subject	Credits
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	2.5	Social Science	3.0
• Civics	.5		
Mathematics	3.0	Mathematics	3.0
Must include Algebra 1 and Geo & Data Reasoning and one other math course. A fourth math credit is highly recommended during senior year.		Recommended minimum of Algebra 2 level completion (or higher) to meet the math requirement of 3 math credits (all with C's or better).	
Science	3.0	Science	3.0
Shall include a year each in two fields of college preparatory science such as biology, chemistry, physics, earth or physical science.		Shall include one year each in two different fields of science	
		Second Language	2.0
		At least two years of the same Second Language	
Total Required Subject Credits	13 credits	Total Required Subject Credits	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+ GPA*	3.0+ GPA*	2.5+ GPA*	2.5+ GPA*	3.0 GPA*	2.5+ GPA*	3.5+ GPA* for auto admission
Application essay required of all applicants	Application essay required of all applicants					2.5+ GPA* considered for regular admission

*Students must earn at least a "C" in ALL core subjects. Additional campus review required if above GPA's are not met. All Oregon Public Universities are ACT and SAT "test optional," meaning a student is not required to take those tests to be considered for admission.

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
- Free Application for Federal Student Aid (FAFSA)
- Oregon Student Aid Application (ORSAA)
- Fast Track Pre-Apprenticeship Pathway
- Career Fair
- Job shadows, mentorships, internships, and community service
- College and military recruiters
- Community service and job posting boards
- Information on college testing-Pre-ACT, PSAT, ACT, SAT
- ASPIRE Program

ASPIRE

The ASPIRE program helps educate Oregon students to become career and college ready. ASPIRE offers education, resources, and mentoring opportunities for all students. Student supports include 1:1 and group mentoring, activities or events that focus on career exploration, career and college research, admissions applications, scholarships, and financial aid.

Examples of assistance for students:

- **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 and explore options.
- **Financial Aid:** A financial aid professional visits Barlow in the fall. Assist students and families in applying for and understanding financial aid.
- **The Next Steps:** How to begin preparing and exploring at each grade level.

School Links

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 and Click on Students and then SchoolLinks. Students can log in using school log in information. Your student's counselor is available to answer any questions that you have about this program.

NCAA Freshman-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: - Ten of the 16 Core Courses must be complete before the 7th semester (senior year) of high school - Seven of the 10 core courses must be in English, Math, or Science - These courses are “locked in” at the start of the 7th semester (cannot be repeated for GPA improvement to meet initial-eligibility requirements)	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 <https://web3.ncaa.org/ecwr3/> for more 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, the student must remain academically eligible to practice the next term.

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 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 <https://web3.ncaa.org/ecwr3/>

DIVISION I 16 Core-Course Rule

16 Core Courses:

4 years of English

3 years of mathematics
(Algebra 1 or higher).

2 years of science (1 year of
lab if offered by high school).

1 year of additional English,
mathematics or science.

2 years of social science.

4 years of additional courses
(from any area above, foreign
language or comparative
religion/philosophy).

Sam Barlow Scholars of Distinction Recognition

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' eligibility will be determined based on their eighth semester GPA. ***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 completed graduation requirements.
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)**
- Woods 3 (5)
- Education Internships 1 & 2 (1.0)**
- Construction Trades 3 (.5)
- Culinary Arts 4 (.5)
- Culinary Independent Studies (.5)**
- Advanced Restaurant Management
- Cyber Security (.5)
- Graphic Design 3 (.5)**
- Machining 2 (.5)
- Marketing 5-6
- Welding 2 (.5)**

Electives

- AVID 11
- AVID 12
- Bruin Banner**
- Student Council Leadership**
- Advanced 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***
- Acting 5-6 & 7-8

MATH

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

SCIENCE

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

SOCIAL STUDIES

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

WORLD LANGUAGE

- Spanish 5-6
- Heritage Spanish 1-2
- Heritage Spanish 3-4
- FLATS Level 3
- STAMP Level 3
- STAMP Level 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)

** Once credit 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 3.0 or higher may make a late arrival or early release request to their assistant principal.

Independent Study – Grade 10, 11 and 12 only

Independent Study is a supervised student-directed study hall during the day where students can complete work at their own pace. Attendance is taken for this class. **The student may not leave campus, may not be in the halls, and must report to the IS room before the tardy bell rings.**

Fees

Studio/shop fees are charged in some classes (art, culinary, 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. 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. Advanced Placement courses may also include a testing fee and will be communicated to students and families prior to application for tests.

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 **2.5** 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 the 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 to request a change to an elective course. Teacher Assistants (TAs) must be added by the end of the second week.

Third week of semester: Students cannot drop core or elective classes, unless an unusual circumstance warrants an administrative exception or drop. The third week is the 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 only courses not required for graduation will be considered to drop, unless there is an extenuating circumstance (with administrator approval). The dropped course will receive a “W” on the transcript and an Independent Study will be put in the schedule in its place. This drop option is limited to upperclassmen only.

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.

Grading Scale

The Gresham Barlow School District has established a district grading scale that includes A – D & F, I, W and WF.

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 twelfth 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 need an official transcript sent to a University or College, 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 Request or from Studentvue under the Course History tab.

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.

The GBSD Connection Coordinator works with school counselors to assist students/families between the ages of 14 and 21 to find the best possible education option to complete high school, guides them through the enrollment process, and provides follow-up support. For more information contact your student's counselor or visit:

<https://www.gresham.k12.or.us/departments/innovation-and-partnerships/multiple-pathways/connections>

The focus of this service is on youth who are currently not enrolled or attending school and want to return and re-engage. Students currently enrolled in one of the district's neighborhood high schools need to meet with their assigned counselor who can then refer and connect them to the Connections Coordinator as needed.

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. The family pays tuition costs.

REY Academy: 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. Students and families who are interested in this option should talk with their counselor about a referral to our Connections Coordinator.

Rosemary Anderson High School: Rosemary Anderson offers wrap-around services, as well as transition services after graduation. It offers smaller class sizes and more one-on-one instruction. 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. Students and families who are interested in this option should talk with their counselor about a referral to our Connections Coordinator.

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, and District Connections Coordinator. Classes are offered in both Spanish and English. For more information, go to <http://www.mhcc.edu/ged> and contact your counselor about a referral to the District Connections Coordinator.

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 or the District Connections Coordinator 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.

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.

MEECA (Metro East Early College Academy): The academy is a 10th-12th-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.

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 2026 - 2027 Course List

Art

115209 (S)	Introduction to Art	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 & Ceramics	10,11,12
116329 (S)	Sculpture & Ceramics 2	10,11,12
051539 (S)	Studio Arts	12

Human Resources Career Cluster

Early Childhood Education Pathway

050519 (S)	Child Development 1	9,10,11,12
050529 (S)	Child Development 2	9,10,11,12
276000 (S)	Intro to Elementary Education	10,11,12
073031 (S)	Intro to Secondary Education	10,11,12
151549 (S)	Interpersonal Relationships	10,11,12
253502 (S)	Education Internships 1	11,12
253503 (S)	Education Internships 2	11,12

Business & Management Career Cluster

Marketing Pathway

020101 (S)	Introduction 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

050409 (S)	Beginning Culinary Arts	9,10,11,12
050419 (S)	Intermediate Culinary Arts	9,10,11,12
140811 (S)	Global Cuisine	10,11,12
140801 (S)	Baking & Pastry	10,11,12
050249 (S)	Restaurant Management	10,11,12
050439 (S)	Adv. Restaurant Mgmt.	11,12
050369 (S)	Culinary Assistant	11,12
071001 (S)	Hospitality, Tour & Rec.	9,10,11,12

Industrial & Engineering Systems Career Cluster

Construction Pathway

041119 (S)	Intro to Woods Construction	9,10,11,12
041819 (S)	Woods 1	9,10,11,12
041829 (S)	Woods 2	10,11,12
041839 (S)	Woods 3	10,11,12
040209 (S)	Construction Trades 1	9,10,11,12
040309 (S)	Construction Trades 2	10,11,12
040409 (S)	Construction Trades 3	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

084111&2	Student Council	9,10,11,12
084121&2	Exploring Leadership	9,10,11,12
190311 (S)	Intro to Journalism	9,10,11,12
190331&2	Journalism – Bruin Banner	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
030509 (S)	Digital Photography	9,10,11,12
083349 (S)	Independent Study (no credit)	10, 11, 12

Health Promotion

232139 (S)	Physical Fitness 1	9
140119 (S)	Health 10	10
241449 (S)	Bodies in Balance	9,10,11,12
140129 (S)	Health 12	12
231459 (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 & Conditioning	10,11,12
231409 (S)	Recreational Basketball	9,10,11,12
231359 (S)	Recreational Soccer	9,10,11,12

Language Arts

211001&2	Pre AP English 1	9
211021&32	Pre AP English 2	10
100341&2	English 5-6	11
101251&2	AP Lang. & Comp.	11,12
100531&2	College Prep English 11	11
100441&2	English 7-8	12
101351&2	AP Literature and Comp	12
101201&301	Writing 121-122	12

Mathematics

203141&2	Algebra 1	9
203229	Geometric Reasoning	9,10,11
203249	Data Reasoning	9,10,11
204141&2	Algebra 2	9,10,11,12
201331&2	Financial Algebra	10,11,12
2033111&2	Math for the Trades	10,11,12
206501&2	Statistics	11,12
205341&2	Precalculus	10,11,12
205851&2	AP Calculus A/B	11,12
205961&2	AP Calculus B/C	11,12
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	Bruin Choir	9,10,11,12
113021	Treble Choir	9,10,11,12
113032	Barlow Singers	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	11,12
172241&2	AP Chemistry	11,12
175141&2	Environmental Science	11,12
031601&2	AP Environmental Science	11,12
170341&2	Physical Science	9
173141&2	Physics	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 Macroeconomics	12

Theatre Arts

111461&2	Acting 1-2	9,10,11,12
111471&2	Acting 3-4	9,10,11,12
111481&2	Acting 5-6	10,11
111491&2	Acting 7-8	12
109969 (S)	Film Studies	9,10,11,12
031731 (S)	Audiovisual Production	9,10,11,12

World Language

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
120221&2	Heritage Spanish 1-2	9,10,11,12
120231&2	Heritage Spanish 3-4	9,10,11,12

Special Programs

106141&2	Lang. Arts 3	9,10,11
106151&2	Lang. Arts 4	9,10,11
100541&2	Senior English	12
160211&2	Learning Strategies for H.S.	9,10,11
160105&6	Learning Strategies 12	12
160351&2	English Strategies 1-2	9,10
160281&2	English Strategies 3-4	11,12
160231&2	English Foundations	9,10,11,12
160341&2	Math Strategies 1	9,10
160391&2	Math Strategies 2	11,12
160241&2	Math Foundations	9,10,11,12

Art

No.	Name	Credit	Grade	Length	Prerequisite	Repeat for Credit	College Credit Available	Fee
115209	Intro to Art	.50	9-12	Semester	None	No	No	Course Fees May Apply
116219	Drawing 1	.50	9-12	Semester	Art 1	No	No	Course Fees May Apply
116229	Drawing 2	.50	10-12	Semester	Drawing 1	No	No	Course Fees May Apply
116239	*Drawing 3	.50	10 -12	Semester	Drawing 2	Yes	No	Course Fees May Apply
118919	Painting 1	.50	9 -12	Semester	Art 1	No	No	Course Fees May Apply
118929	Painting 2	.50	10-12	Semester	Painting 1	No	No	Course Fees May Apply
118939	*Painting 3	.50	10-12	Semester	Painting 2	Yes	No	Course Fees May Apply
116349	Sculpture and Ceramics	.50	9-12	Semester	Art 1	No	No	Course Fees May Apply
116329	Sculpture/Ceramics 2	.50	10-12	Semester	Sculpture 1	Yes	No	Course Fees May Apply
051539	Studio Arts	.50	12	Semester	Paint 3, Draw 3 or Sculpture 2	Yes	No	Course Fees May Apply

* 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.

115209-Intro to Art

Length of Class: Semester

Prerequisite: None

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

In this beginning art course, students will explore drawing, painting, sculpture, and weaving while developing foundational art skills. Emphasis is placed on skill-building, craftsmanship, and learning how to discuss and reflect on art.

116219-Drawing 1

Length of Class: Semester

Prerequisite: Passing grade in Art 1

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

Students will learn how to accurately draw subjects on a two-dimensional surface using media such as pencil, pen, and markers. A variety of subjects, may include: people, animals, and landscapes, will help students build confidence and versatility in their drawing skills.

116229-Drawing 2

116239-Drawing 3

Length of Class: Semester

Prerequisite: Passing grade in Drawing 1, Drawing 2

Grade Level(s): 10, 11, 12

This advanced drawing class expands students' skills through a variety of techniques, media, and subjects, ranging from technical to imaginative. Greater flexibility and choice require students to work independently.

118919-Painting 1

Length of Class: Semester

Prerequisite: Passing grade in Art 1

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

Students will learn foundational painting skills using watercolor and acrylic paint, beginning with color mixing and blending and progressing to the creation of images ranging from individual objects to full landscapes.

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 develop advanced painting techniques using watercolor and acrylic. They will be challenged to create images such as portraits, impressionistic works, and artwork that communicates ideas.

116349 – Sculpture and Ceramics

Length of Class: Semester

Prerequisite: Art 1

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

Students will learn basic sculpture techniques with clay and other materials. Projects may include vases, mugs, plates, and sculptures. Techniques will include coils, slabs, throwing and sculpting.

116329 - Sculpture/Ceramics 2

Length of Class: Semester

Prerequisite: Art 1, Sculpture 1

Grade Level(s): 10, 11, 12

This advanced course develops students' skills in three-dimensional art through challenging subject matter, techniques, and aesthetic exploration. Increased flexibility and creative choice require students to work independently.

051539 - Studio Arts

Length of Class: Semester

Prerequisite: Drawing 3, Painting 3 or Sculpture 2

Grade Level(s): 12

Students will work toward creating a portfolio of artwork in their chosen medium. This course is designed for students preparing to apply to post-secondary art programs. With increased flexibility and creative choice, students are expected to work independently and take ownership of their artistic development.

Elective	Sequential courses requiring Art 1 as a prerequisite			
Intro to Art	Painting 1	Painting 2	Painting 3	Studio
	Drawing 1	Drawing 2	Drawing 3	
	Sculpture 1	Sculpture 2		

Human Resources Career Pathway

Early Childhood Education Pathway									
No.	Name	Credit	Grade	Length	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
050519	Child Development 1	.50	9-12	Semester	None	No	No	No	None
050529	Child Development 2	.50	9-12	Semester	Child Dev 1	No	No	Yes	None
151549	Interpersonal Relationships	.50	10-12	Semester	None	No	No	No	None
276000	Intro to Elementary Education	.50	10-12	Semester	None	No	No	No	None
073031	Intro to Secondary Education	.50	10-12	Semester	None	No	No	No	None
253201	Education Internships 1	1.0	11-12	Semester - 2 periods	Child Dev 1 & 2	No	No	No	None
253502	Education Internships 2	1.0	11-12	Semester - 2 periods	Education Internships 1	No	No	Yes	None

050519-Child Development 1

Length of Class: Semester

Prerequisite: None

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

This course gives students an overview of children from 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.

151549-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 Elementary Education

Length of Class: Semester

Prerequisite: None

Grade Level(s): 10, 11, 12

This class is designed for students who are interested in the teaching profession. Emphasis is placed 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.

073031-Intro to Secondary Education

Length of Class: Semester

Prerequisite: None

Grade Level(s): 10, 11, 12

This course is ideal for students aspiring to careers in secondary education (middle and high school). It provides an in-depth exploration of teaching practices, the role of schools in society and their interconnected relationship. Students will delve into potential subject areas, gaining insights into what teaching those subjects entails. Key topics include the history of education, strategies for teaching diverse learners, classroom management techniques and the integration of technology in modern education.

050529-Child Development 2

Length of Class: Semester

Prerequisite: Child Development 1

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

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.

253501-Education Internships 1

Length of Class: Semester, 2 periods

Prerequisite: Child Development 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 SBHS classroom every Wednesday.

253502-Education Internships 2

Length of Class: Semester, 2 periods

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 and 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 SBHS classroom on Wednesday. Students completing Child Dev 1 and 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	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
020101	Intro to Business	.50	9-12	Semester	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	No	Yes	No	No
071001	Hospitality, Tourism & Recreation	.50	9-12	Semester	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

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.

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	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
050409	Beginning Culinary Arts	.50	9-12	Semester	None	No	No	No	Course Fees May Apply
050419	Intermediate Culinary Arts	.50	9-12	Semester	Beginning Culinary Arts	No	No	No	Course Fees May Apply
140811	Global Cuisine	.50	10-12	Semester	Intermediate Culinary Arts	No	No	No	Course Fees May Apply
140801	Baking & Pastry	.50	10-12	Semester	Intermediate Culinary Arts	No	No	No	Course Fees May Apply
050249	Restaurant Mgmt.	.50	10-12	Semester	Intermediate Culinary Arts	No	No	No	Course Fees May Apply
050439	Adv. Restaurant Mgmt.	.50	11-12	Semester	Intermediate Culinary Arts	No	Yes	No	Course Fees May Apply
050369	Culinary Assistant	.50	11-12	Semester	2 Credits in the Culinary Pathway	Yes	Yes	No	Course Fees May Apply
071001	Hospitality, Tourism & Rec.	.50	9-12	Semester	None	No	No	No	No

050409-Beginning Culinary Arts

Length of Class: Semester

Prerequisite: None

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

Beginning 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.

050419-Intermediate Culinary Arts

Length of Class: Semester

Prerequisite: Beginning Culinary Arts

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

Intermediate Culinary Arts is an intermediate class exploring recipes and cooking techniques that build on the basics learned in Beginning Culinary Arts. 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.

140811-Global Cuisine

Length of Class: Semester

Prerequisite: Intermediate Culinary Arts

Grade Level(s): 10, 11, 12

Global Cuisine presents the principles of traditional dishes of cuisines from around the globe. Students will have the opportunity to prepare, taste, and analyze ingredients, flavor profiles, techniques, dishes from each cuisine. Students are required to have a current food handlers certification to participate in class.

140801-Baking and Pastry

Length of Class: Semester

Prerequisite: Intermediate Culinary Arts

Grade Level(s): 10, 11, 12

Students will learn the fundamentals of baking and pastries. Theory and hands-on work will support the students' understanding of this art and science. This course is intended to give the student a detailed understanding of the components of various bread, cookie and pastry preparation techniques including quick breads, yeast breads, enriched and laminated doughs, cookie mixing methods, pies, tarts, sauces and cakes. Students will sample and critique their culinary work. Students are required to have a current food handlers certification to participate in class.

050249-Restaurant Management

Length of Class: Semester

Prerequisite: Intermediate Culinary Arts

Grade Level(s): 10, 11, 12

Restaurant Management is designed to introduce students to careers in the restaurant industry and allow them to develop skills needed to pursue a career in food service. 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. Students will work in Barlow's lunch cafe, Bruin Bites, to gain real-world restaurant experience and have the opportunity to obtain internship credit. Students are required to have a current food handlers certification to participate in class.

050439-Advanced Restaurant Management

Length of Class: Semester

Prerequisite: Restaurant Management

Grade Level(s): 11, 12

Advanced Restaurant Management is a continuation of Restaurant Management. Students will work as managers and leaders in Barlow's lunch cafe, Bruin Bites, to gain real-world restaurant experience and have the opportunity to obtain internship credit. This course can be repeated for credit. Students are required to have a current food handlers certification to participate in class.

050369- Culinary Assistant

Length of Class: Semester

Prerequisite: 2 Credits in the Culinary Pathway & Instructor Approval

Grade Level(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 Pathways

Construction Pathway									
No.	Name	Credit	Grade	Length	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
041119	Introduction to Woods & Construction	.50	9-12	Semester	None	No	No	No	Course Fees May Apply
041819	Woods 1	.50	9-12	Semester	Introduction to Woods & Construction	No	No	No	Course Fees May Apply
041829	Woods 2	.50	10-12	Semester	Woods 1	No	No	No	Course Fees May Apply
041839	Woods 3	.50	10-12	Semester	Woods 2	No	No	No	Course Fees May Apply
040209	Construction Trades 1	.50	9-12	Semester	Introduction to Woods & Construction	No	No	No	Course Fees May Apply
040309	Construction Trades 2	.50	10-12	Semester	Construction Trades 1	No	No	No	Course Fees May Apply
040409	Construction Trades 3	.50	10-12	Semester	Construction Trades 2	No	Yes	No	Course Fees May Apply

041119-Introduction to Woods & Construction

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.

041819-Woods 1

Length of Class: Semester

Prerequisite: Introduction to Woods & Construction

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 for various woodworking projects. Students will experiment with different joinery techniques and further their knowledge in basic woodworking. Students will build a picture frame with mitered corners, splines and inlays, a finger jointed box, mortise and tenon step stool, a chest and a final trebuchet group project. Time permitting, students will build a personal project that utilizes the new skills learned.

041829-Woods 2

Length of Class: Semester

Prerequisite: Woods 1

Grade Level(s): 10, 11, 12

Students will learn the fundamentals of cabinet making. Throughout the semester students will learn how to build different parts of a standard face frame cabinet including: box, face frame, top, door, drawer front, drawer box and legs. They will complete these 7 mini projects that will then be assembled at the end to create a quality nightstand cabinet complete with frame & panel door and drawer. Students will learn to use tools found in manufacturing such as a panel saw to cut sheet goods and a wood lathe to create the legs. Time permitting students will also be able to apply a finish of paint or stain to their nightstand.

041839-Woods 3

Length of Class: Semester

Prerequisite: Woods 2

Grade Level(s): 10, 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. Students will also have the opportunity to learn how to use the CNC machines in the shop and use them for a project. (In addition, on a case-by-case basis, students may be instructed to complete unique one-off projects as needed from the instructor).

040209-Construction Trades 1

Length of Class: Semester

Prerequisite: Introduction to Woods & Construction

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

Students will get an introduction to several different trades in the construction industry. Throughout the semester students will work together in small groups and rotate through 8 different trade labs to gain skills and experience with each one. They will learn fundamentals of Residential framing, tile, plumbing, electrical, finish carpentry, drywall and learn how to operate hand and power tools found in the residential and commercial construction industry. The skills gained in this course are directly applicable to future careers in the trades or home repairs and remodeling projects.

040309-Construction Trades 2

Length of Class: Semester

Prerequisite: Construction Trades 1

Grade Level(s): 10, 11, 12

Students will learn about residential home building through classroom and shop learning. Students will get an overview of the residential home building process from start to finish. They will get to build a small scale model of a home throughout the semester and learn about different building practices. By the end of the semester students will have an understanding of the process and practices of building a home. Students may also get the opportunity to work on a community project as needs arise. They will participate in various team building exercises and complete several construction related classroom and shop group projects.

040409-Construction Trades 3**Length of Class: Semester****Prerequisite: Construction Trades 2****Grade Level(s): 11, 12**

Students will gain experience operating hand and power tools found in the residential and commercial construction industry. During this class students will gain various construction project management skills. This class will help prepare some of the students to compete in the SkillsUSA Construction competition in the spring. 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.

Metals Manufacturing Pathway									
No.	Name	Credit	Grade	Length	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
241211	Exploring Metals	.50	9-12	Semester	None	No	No	No	Course Fees May Apply
241221	Machining 1	.50	9-12	Semester	Exploring Metals	No	No	No	Course Fees May Apply
241222	Machining 2	.50	10-12	Semester	Machining 1	No	No	No	Course Fees May Apply
241231	Welding 1	.50	9-12	Semester	Exploring Metals	No	No	No	Course Fees May Apply
241232	Welding 2	.50	10-12	Semester	Welding 1	No	No	Yes	Course Fees May Apply
241241	Independent Study of Metals	.50	11-12	Semester	Machining 2 & Welding 2	Yes	Yes	No	Course Fees May Apply

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. More information can be found in our College & Career Center.

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 13.

241211-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.

241221-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.

241222-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 or milling machine.

241231-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.

241232-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	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
084121&2	Exploring Leadership	1.0	9-12	Year	Application	No	No	No	No
084111&2	Student Council Leadership	1.0	9-12	Year	Elected	Yes	Yes	No	No
109969	Film Studies	.50	9-12	Semester	None	No	No	No	No
190311	Intro to Journalism	.50	9-12	Semester	None	Yes	No	No	No
190331&2	Journalism – Bruin Banner	1.0	10-12	Year	Intro to Journalism or ELA teacher letter of rec	Yes	Yes	No	No
231339	Sports and Society	.50	9-12	Semester	No	No	No	No	No
277149	+Psychology	.50	10-12	Semester	World Studies or AP Human Geo	No	No	No	No
277949	Ethnic Studies	.50	9-12	Semester	No	No	No	No	No
279949	Military History & Society	.50	9-12	Semester	No	No	No	No	No
030509	Digital Photography	.50	9-12	Semester	No	No	No	No	No

+Indicates NCAA Approved Core Courses

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. Applications can be found in the Activities office or by contacting the Activities Director.

084112&2-Student Council Leadership

Length of Class: Year

Prerequisite: Elected by student body

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

Students elected into this program will engage in hands-on learning experiences specifically designed to improve and develop essential leadership skills. The core curriculum centers on the planning, organization, and execution of various events that benefit both Barlow High School and the broader community. Projects undertaken will be diverse, requiring students to demonstrate proficiency in both collaborative group work and independent individual assignments. A mandatory component of the course involves active participation in certain school and community events. Due to the nature of event management and execution, students must be prepared to commit time outside of the regular school day, including some evenings or weekends, to ensure the successful delivery of these projects. Students must follow election procedures and be elected by the student body to be a member of the class. Membership in the class requires students to follow established election procedures and secure a successful vote from the student body.

109969-Film Studies

Length of Class: Semester

Prerequisite: None

Grade Level(s): 9, 10, 11, 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: Semester

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.

190331&2-Journalism-Bruin Banner

Length of Class: Year

Prerequisite: Intro to Journalism or Letter of Rec from ELA teacher

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 Intro to Journalism. 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 10-15 issues of The Bruin Banner (stories, cartoons, photography) and work on miscellaneous related projects and contribute to the Banner online.

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 have 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 or AP Human Geography

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

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 course of 200 years (1789-1989), 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.

279949-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 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 nationality.

030509-Digital Photography

Length of class: Semester

Prerequisite: None

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

This course covers basic concepts and practice of digital photography, including understanding and use of the camera, lenses and other basic photographic equipment. The course will address aesthetic principles as they relate to composition, space, exposure, light and color. Technological requirements of digital formats will be addressed, such as formats and resolution. Basic digital manipulations of images will be taught in preparation for creating a photo portfolio of images.

Health Promotion

No.	Name	Credit	Grade	Length	Prerequisite	Instructor Approval	Repeat for Credit	College Credit Available	Fee
232139	Physical Fitness 1	.50	9	Semester	None	No	No	No	No
231449	Bodies in Balance	.50	9-12	Semester	None	No	No	No	No
140119	Health 10	.50	10	Semester	None	No	No	No	No
140129	Health 12	.50	12	Semester	None	No	No	No	No
231459	Yoga Core Fitness	.50	9-12	Semester	None	No	Yes	No	No
231409	Recreational Basketball	.50	9-12	Semester	None	No	Yes	No	No
231359	Recreational Soccer	.50	9-12	Semester	None	No	Yes	No	No
231319	Fitness Rec Sports	.50	9-12	Semester	None	No	Yes	No	No
232249	Strength & Conditioning	.50	9-12	Semester	None	No	Yes	No	No
232269	Advanced Strength & Conditioning	.50	10-12	Semester	Strength & Conditioning	Yes	Yes	No	No

32139-Physical Fitness 1

Length of Class: Semester

Prerequisite: None

Grade Level(s): 9 (Required)

This required PE class is designed for 9th grade students to improve their core and overall fitness level and as well as clarify PE expectations (class will take place in the gym). This class is designed to introduce fitness concepts using bodyweight exercises and high energy, low competitive cooperative games. Students will work on improving overall fitness levels, specifically cardiovascular fitness, and will understand the long term benefits of exercise and physical fitness. Students will be required to dress in appropriate athletic shorts, sweats or leggings with athletic shoes.

140119-Health 10

Length of Class: Semester

Prerequisite: None

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, STIs 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-Bodies in Balance

Length of Class: Semester

Prerequisite: None

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

This elective PE class is designed for students who want to take a lower impact approach to improve their fitness level (class will take place in the gym, as well as outside as weather permits). 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 through walking, body weight exercises, water resistance (pool), and possibly light weight training. **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. Students will be required to dress in appropriate athletic shorts, sweats or leggings with athletic shoes.

140129-Health 12

Length of Class: Semester

Prerequisite: None

Grade Level(s): 12 (Required)

This course will provide seniors with the opportunity to reflect on their own wellness, identify risk behaviors, and develop personal strategies to support optimal health as they transition into adulthood. Students will explore the following topics of study: Financial Wellness/Future Planning, Mental Wellness, Healthy Relationships, Nutrition, Substance and Abuse Prevention, and Physical Fitness (students will be required to dress down periodically through the semester for physical fitness time).

231459-Yoga/Core Fitness

Length of Class: Semester

Prerequisite: None

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

This course is designed to encourage and allow students to develop and practice wellness habits that promote fitness for a lifetime. Students will explore yoga and other mind-body exercises to support developing a greater understanding and appreciation of their mind and body, and realize how to care for themselves to promote mental and physical longevity. Grading will be based on participation in class activities, individual improvement/effort, and compliance with the Barlow Physical Education guidelines. Each day students will be required to dress in appropriate athletic pants/shorts.

231319-Fitness Rec Sports

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 appropriate athletic shorts, sweats or leggings with athletic shoes.

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 appropriate athletic shorts, sweats or leggings with athletic shoes.

232269-Advanced Strength and Conditioning**Length of Class:** Semester**Prerequisite:** Strength and Conditioning, Instructor Approval**Grade Level(s):** 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, Crossfit style workouts, etc. Students will be required to dress in appropriate athletic shorts, sweats or leggings with athletic shoes.

231359-Recreational Soccer**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 soccer. Students will participate in individual and team drills as well as play modified and standard soccer games. 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. Students will be required to dress in appropriate athletic shorts, sweats or leggings with athletic shoes.

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. Students will be required to dress in appropriate athletic shorts, sweats or leggings with athletic shoes.

Health / PE (Required)

Grade 9	Grade 10	Grade 11	Grade 12
Physical Fitness 1	Health 10		Health 12
All other PE courses are not grade specific. One more PE course (in addition to Physical Fitness 1) is required sometime throughout grades 9-12. It is recommended to be done before 12th grade.			

Language Arts

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 th Grade	Pre AP English 1	Pre AP English 1	Pre AP English 1	Pre AP English 1	Pre AP English 1
10 th Grade	Pre AP English 2	Pre AP English 2	Pre AP English 2	Pre AP English 2	Pre AP English 2
11 th Grade	AP Language and Composition	English 5-6 or AP Language and Composition or College Prep English 11 Charter School Options CAL	English 5-6 or College Prep English 11 Charter School Options CAL	English 5-6 Charter School Options CAL	English 5-6 Charter School Options CAL
12 th Grade	AP Literature & Composition or *Writing 121/122	English 7-8 or AP Literature & Composition or *Writing 121/122 Charter School Options CAL	English 7-8 or *Writing 121/122 Charter School Options CAL	English 7-8 Charter School Options CAL	English 7-8 Charter School Options CAL
Sample Options	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 offer dual credit at a partnering institution.

Language Arts

No.	Name	Credit	Grade	Length	Repeat for Credit	College Credit Available	Fee
211001&2	+Pre AP English 1	1.0	9	Year	No	No	No
211021&32	+ Pre AP English 2	1.0	10	Year	No	No	No
100341&2	+English 5-6	1.0	11	Year	No	No	No
100441&2	+English 7-8	1.0	12	Year	No	No	No
101251&2	+AP Language & Composition	1.0	11-12	Year	No	No*	Pending
101351&2	+AP Literature & Composition	1.0	12	Year	No	No*	Pending
100531&2	+College Prep English 11	1.0	11-12	Year	No	No	No
101201&301	+Writing 121/122	1.0	12	Year	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.

211001&2-Pre AP English 1

Length of Class: Year

Grade Level(s): 9

Pre-AP English 1 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.

211021&32-Pre AP English 2

Length of Class: Year

Grade Level(s): 10

Pre-AP English 2 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 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 when required for graduation.

101251&2-AP Language and Composition

Length of Class: Year

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

Grade Level(s): 11, 12

Fee: Pending

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. This course will be taught with the expectation that students will take the AP exam. Summer homework may be required.

100531&2-College Prep English 11

Length of Class: Year

Prerequisite: Recommended 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.

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 their 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 an A or B in prior English class**Grade Level(s):** 12**Fee:** Pending

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. This course will be taught with the expectation that students will take the AP exam. Summer homework may be required.

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

WR121Z (4 credits) engages students in the study and practice of critical thinking, reading and writing. The course focuses on analyzing and composing across varied rhetorical situations and in multiple argumentative genres. Students will apply key rhetorical concepts flexibly and collaboratively throughout their writing and inquiry processes. WR122Z (4 credits) builds on concepts and processes emphasized in WR121Z, engaging with inquiry, research and argumentation in support of students' development as writers. The course focuses on composing and revising in research-based genres through the intentional use of rhetorical strategies. Students will find, evaluate, and interpret complex material, including lived experience; use this to frame and pursue their own research questions; and integrate material purposefully into their own compositions.

Language Arts Required Course Sequence			
Grade 9	Grade 10	Grade 11	Grade 12
Pre AP English 1	Pre AP English 2	English 5-6 AP Language & Comp. College Prep English 11	English 7-8 AP Literature Writing 121/122

Mathematics

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 college.

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 th Grade	Geo & Data Reasoning or Algebra 2	Algebra 1 or Geo & Data Reasoning	Algebra 1	Algebra 1	Algebra 1
10 th Grade	Algebra 2 or *Precalculus	Geo & Data Reasoning or Algebra 2	Geo & Data Reasoning	Geo & Data Reasoning	Geo & Data Reasoning
11 th Grade	*Precalculus or AP Calculus	Algebra 2 or *Precalculus	Math for the Trades or Statistics or Financial Algebra or Algebra 2	Math for the Trades or Statistics or Financial Algebra	Math for the Trades or Statistics or Financial Algebra
12 th Grade	*AP Calculus A/B or *AP Statistics or *AP Calculus B/C	Algebra 2 or *Precalculus or *AP Calculus A/B or AP Statistics	Financial Algebra or Statistics or Math for the Trades or Algebra 2	Financial Algebra or Math for the Trades or Statistics	
Sample Options	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, Portland CC, Technical and Trade School	Armed Forces Workforce

*Courses offer dual credit at a partnering institution.

Mathematics

No.	Name	Credit	Grade	Length	Prerequisite	Repeat for Credit	College Credit Available	Fee
203141&2	+Algebra 1	1.0	9	Year	None	No	No	No
203229	+Geometric Reasoning	.50	9-11	Semester	Algebra 1	No	No	No
203249	+Data Reasoning	.50	9-11	Semester	Algebra 1	No	No	No
204141&2	+Algebra 2	1.0	9-12	Year	Geo & Data Reasoning (C or better)	No	No	No
2033111&2	Math for the Trades	1.0	10-12	Year	Geo & Data Reasoning	No	No	No
201331&2	Financial Algebra	1.0	10-12	Year	Geo & Data Reasoning	No	No	No
206501&2	+Statistics	1.0	10-12	Year	Geo & Data Reasoning	No	No	No
206061&2	+AP Statistics	1.0	11-12	Year	Statistics or Algebra 2 or Precalculus	No	Yes*	Pending
205341&2	+Precalculus	1.0	10-12	Year	Algebra 2 (C or better)	No	Yes	No
205851&2	+AP Calculus A/B	1.0	11-12	Year	Precalculus (A or B) or Calculus	No	Yes*	Pending
205961&2	+AP Calculus B/C	1.0	11-12	Year	AP Calc. A/B (A or B)	No	Yes*	Pending

+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(s): 9

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

The representation of functions is used as an 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 while developing confidence in their ability to think mathematically as they work both individually and collaboratively.

203229-Geometric Reasoning

Length of Class: Semester

Prerequisite: Algebra 1

Grade Level(s): 9, 10, 11

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

Students will gain an understanding of the attributes and relationships of geometric objects and apply concepts of geometry to authentic contexts. Students will formalize their previous geometry experiences by using precise definitions, mathematical language and developing careful proofs. Students will learn to analyze congruence, similarity and symmetry in the context of geometric transformation. Students will learn to use triangle congruence criteria to prove theorems about triangles, quadrilaterals and other geometric figures. In this course methods from algebra will be applied to geometry and vice versa.

203249-Data Reasoning

Length of Class: Semester

Prerequisite: Algebra 1

Grade Level(s): 9, 10, 11

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

Students will learn to make decisions or predictions based on data. Students will gain an understanding of how messages are often obscured by variability. Data reasoning and statistics provides tools for describing variability in data and for making informed decisions that take it into account. In this course students will learn to formulate statistical investigative questions and then collect, analyze, summarize and describe the data. Students will learn how to consider independent and conditional probability and use them to interpret data and make informed decisions.

201331&2-Financial Algebra

Length of Class: Year

Prerequisite: Geometric & Data Reasoning

Grade Level(s): 10, 11, 12

Materials/Requirements/Fees: Scientific calculator is required.

The Financial Algebra Course engages students with real-world financial applications while maintaining deep mathematical rigor. The 10 units include: Taxes, Checking, Savings, Budgeting, Intro to Investing, Investing Strategies, Types of Credit, Managing Credit, Paying for College and Insurance. This course will be heavily collaboration and project based. Students will be required to use google drive, docs and sheets on a regular basis.

2033111&2-Math for the Trades**Length of Class:** Year**Prerequisite:** Financial Algebra or Geometric & Data Reasoning**Grade Level(s):** 10, 11, 12**Materials/Requirements/Fees:** Scientific calculator is required.

This course is the foundation for trades careers and high school math and science courses. The goal of this course is to create a learning environment through skill building, collaborative activities and hands-on projects that are approachable, interesting and challenging. There is a particular emphasis on applied mathematics and geometry. The completion of this course will prepare students with the math skills and concepts needed to enter trades apprenticeship programs.

204141&2-Algebra 2**Length of Class:** Year**Prerequisite:** Geometric & Data Reasoning or higher (Grade of C or better)**Grade Level(s):** 9, 10, 11, 12**Materials/Requirements/Fees:** Graphing Calculator (i.e. TI-83 Plus, TI-84, TI-NSpire CX); TI-89's are not allowed

Students will study linear, polynomial, radical, exponential, logarithmic, rational and trigonometric functions. They will graph, factor, inverse, solve, connect common features and transform each type of function.

206501&2-Statistics**Length of Class:** Year**Prerequisite:** Geometric & Data Reasoning 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:** Algebra 2 (Grade of C or better), Precalculus or Statistics**Grade Level(s):** 11, 12**Fee:** Pending**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 (MTH 243 Z and

244 Z) may be offered. This course will be taught with the expectation that students will take the AP exam.

205341&2-Precalculus**Length of Class:** Year**Prerequisite:** Algebra 2 (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.

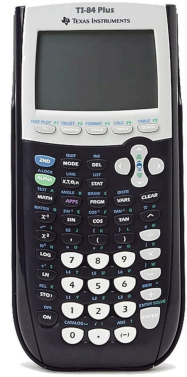
This is a college preparatory course. This course covers material that must be understood before a student begins a college calculus sequence. Topics will include operations with functions and their properties, transformations, trigonometry, analytic geometry, logarithms, vectors, sequences and series. Collegiate credit (MTH 111 Z and 112 Z) may be earned through Oregon Tech University.

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

This is a rigorous college level course. This course will be taught with the expectation that students will take the AP exam. 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. Collegiate credit may be earned (MTH 251 Z and 252 Z) may be earned through Oregon Tech University.

205961&2-AP Calculus B/C**Length of Class:** Year**Prerequisite:** AP Calculus A/B (A or B)**Grade Level(s):** 11, 12**Fee:** Pending**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. This course will be taught with the expectation that students will take the AP exam. *No collegiate credit will be available for this course; however, college credit can be earned through the AP Exam.*



Graphing Calculator for
Algebra 2 and above

CALCULATORS ARE REQUIRED IN ALL MATH COURSES

Cell Phones are not allowed in math classes.

Algebra 1, Geo & Data Reasoning, Financial Algebra, Statistics and Math for the Trades require a Scientific Calculator.

AP Statistics, 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 Nspire, TI-86, TI-85, or TI-73 Explorer.

TI-89 calculators are not allowed in any class (except AP Calculus)!



GBSD Math Pathways



3 HS Math Credits required for graduation

Calculus Pathway

Data Science Pathway

Quantitative Pathway

Optional
Fourth Credit
Options

Specialized
Third Credit
Options (+1)

AP Calculus/Calculus*
(Math 251 Z / 252 Z)
Pre-Calculus*
(Math 111 Z / 112 Z)

AP Statistics*
(Math 243 Z / 244 Z)

Financial Algebra*

Algebra 2
(Math 95 Z)

Intro to Statistics

Math for Trade Careers

ALL pathways require
prerequisite of 2 Core HS
credits

*Indicates 3rd credit
prerequisite course

2 Core HS Credits: Algebra 1 (1 credit), Geometric Reasoning (½ credit), Data Reasoning (½ credit)

Music

No.	Name	Credit	Grade	Length	Prerequisite	Instructor Approval	Repeat 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	Yes
112241&2	Symphonic Band	1.0	10-12	Year	Concert Band	Yes	Yes	No	Yes
112541&2	Jazz Band	1.0	10-12	Year	Stage Band; Concurrent Enrollment in Freshman, Concert, or Symphonic Band	Yes	Yes	No	No
112641&2	Stage Band	.50 or 1.0	9-12	Year or Semester	Concurrent Enrollment in Freshman, Concert, or Symphonic Band	No	Yes	No	No
112901	Bruin Choir	.50	9-12	Semester	None	No	Yes	No	No
113021	Treble Choir	.50	9-12	Semester	None	No	Yes	No	No
113032	Barlow Singers	.50	9-12	Semester	Treble or Bruin Choir	No	Yes	No	No
113121&2	Advanced Treble Choir	1.0	10-12	Year	Instructor Approval	Yes	Yes	No	No
113011&2	Concert Choir	1.0	11-12	Year	Audition	Yes	Yes	No	Yes
113061&2	Barlow Sound	1.0	11-12	Year	Audition; Concurrent Enrollment in Concert Choir	Yes	Yes	No	No

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: Yes

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 & Concurrent enrollment in Freshman, Concert or Symphonic Band**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. This class is offered during 0 period and students are responsible for AM transportation.

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-Bruin Choir**Length of Class:** Semester**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 semester, students will be singing in three and four part harmony. This first semester class will join with Treble Choir second semester to form Barlow Singers.

113021-Treble Choir**Length of Class:** Semester**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 Advanced Treble Choir. This first semester class will join with Bruin Choir second semester to form Barlow Singers.

113121&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:** Yes

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 will be paid for by fund-raising or personal contributions. Entrance to this class is subject to approval based upon voicing as established by the director. Students completing this course will have developed multilingual and multicultural 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 a variety of literature. 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. Students will prepare for festivals and concerts, a variety of styles and regularly tour around the community. This class is offered during 0 period and students are responsible for AM transportation.

113032-Barlow Singers**Length of Class:** Semester**Prerequisite:** None**Grade Level(s):** 9, 10, 11, 12

Barlow Singers is a second semester mixed SATB choir combining students from first semester Treble Choir and Bruin Choir. This choir will prepare students to audition for Advanced Treble Choir, Concert Choir, and Barlow Sound. By the end of the year, students will be able to confidently sing their part in four-part harmony and perform successfully as a member of a large choral ensemble.

Students develop vocal technique, music literacy, rehearsal skills, and performance etiquette through a variety of concert literature and ensemble experiences. Assessment is based on musicianship, preparation, participation, and performance standards. The course includes approximately 3–4 evening concerts and 1–2 daytime performances, and students are required to wear designated concert attire.

Science

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 th Grade	Physical Science	Physical Science	Physical Science	Physical Science	Physical Science
10 th Grade	Biology	Biology	Biology	Biology	Biology
11 th Grade	AP Biology or *Anatomy Physiology or *Marine Biology or Chemistry or AP Chemistry or AP Environmental Science or Physics	AP Biology or *Anatomy Physiology or *Marine Biology or Chemistry or AP Chemistry or AP Environmental Science or Physics Charter School Options CAL	Environmental Science or Chemistry or *Marine Biology or *Anatomy & Physiology Charter School Options CAL	Environmental Science Charter School Options CAL	Environmental Science Charter School Options CAL
12 th Grade	Untaken Science from Above	Untaken Science from Above Charter School Options CAL	Charter School Options CAL	Charter School Options CAL	Charter School Options CAL
Sample Options	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, Clackamas, Portland CC, Technical and Trade School	Armed Forces Workforce

*Courses offer dual credit at a partnering institution.

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 teacher/counselor if you have questions.

Science

No.	Name	Credit	Grade	Length	Prerequisite	Repeat 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
171551&2	+AP Biology	1.0	11-12	Year	Yes	No	No	Pending
171341&2	+Anatomy and Physiology	1.0	11-12	Year	Yes	No	Yes	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*	Pending
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
031601&2	+AP Environmental Science	1.0	11-12	Year	Yes	No	Yes*	Pending

+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: 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: 10

The Biology course emphasizes the integration of content with science practices - powerful reasoning tools that support students in analyzing the natural world around them. Having this ability is one of the hallmarks of scientific literacy and is critical for numerous college and career endeavors in science and the social sciences. Rather than seeking to cover all topics traditionally included in a standard biology textbook, this course focuses on the foundational biology knowledge and skills that matter most for college and career readiness.

171551&2-AP Biology

Length of Class: Year

Prerequisite: Biology

Grade Level(s): 11, 12

Fee: Pending

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 class will require a substantial amount of time outside of class. This course will be taught with the expectation that students will take the AP exam.

171341&2-Anatomy and Physiology

Length of Class: Year

Prerequisite: Biology

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, 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 special senses, in addition to eye, brain, and fetal pig dissection. 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. The student will have the opportunity to earn 4 college credits through OIT for this class.

172141&2-Chemistry

Length of Class: Year

Prerequisite: Biology

Grade Level(s): 11, 12

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

Grade Level(s): 11, 12

Fee: Pending

Materials/Requirements/Fees: Scientific calculator

This is a rigorous college level course geared toward highly motivated students with interests in chemical and physical sciences. AP Chemistry builds on concepts covered in a regular chemistry course, but 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. This course will be taught with the expectation that students will take the AP exam.

173141&2-Physics**Length of Class:** Year**Prerequisite:** 2 years Science with a grade of “C” or higher and completed or concurrent enrollment in Algebra 2 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 complement 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, and experiences. Topics include: climate change, energy efficiency, sustainability, land/water resources, recycling/waste management, pollution, air and water quality, environmental movement history and environmental justice and sustainable cities.

031601&2-AP Environmental Science**Length of Class:** Year**Prerequisite:** Biology**Grade level(s):** 11, 12

In this class, students investigate environmental issues, scientific principles, and interrelationships within the natural world. We identify and analyze natural and man-made environmental problems, evaluate risks, and examine solutions for resolving or preventing them. This is a lab based interdisciplinary class where we look at topics from biology, geology, chemistry, geography, as well as social issues and impact. This one year course is designed to be an equivalent to a one-semester introductory college course in environmental science. This course will be taught with the expectation that students will take the AP exam.

171111&2-Marine Biology**Length of Class:** Year**Prerequisite:** Biology, Algebra 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 recurring 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

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.

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 th Grade	AP Human Geography	AP Human Geography or World Studies	World Studies	World Studies	World Studies
10 th Grade	AP European History	Global Perspectives or AP European History	Global Perspectives	Global Perspectives	Global Perspectives
11 th Grade	*AP US History	US History or *AP US History	US History	US History	US History
12 th Grade	*AP Macroeconomics and Honors Government	Government and Economics or *AP Macroeconomics and Honors Government	Government and Economics	Government and Economics	Government and Economics
Sample Options	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, Clackamas, Portland CC, Technical and Trade School	Armed Forces Workforce

*Courses offer dual credit at a partnering institution.

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

Social Studies

No.	Name	Credit	Grade	Length	Prerequisite	Repeat for Credit	College Credit Available	Fee
270151&2	+AP Human Geography	1.0	9	Year	No	No	Yes*	Pending
027071	+World Studies	.50	9	Semester	No	No	No	No
275241	+Global Perspectives	.50	10	Semester	No	No	No	No
271051&2	+AP European History	1.0	10	Year	No	No	Yes*	Pending
272971&2	+US History	1.0	11	Year	No	No	No	No
272511&2	+AP US History	1.0	11	Year	No	No	Yes*	Pending
273249	+Government	.50	12	Semester	No	No	No	No
274149	+ Economics	.50	12	Semester	No	No	No	No
273259	+Honors Government	.50	12	Semester	No	No	No	No
274059	+AP Macroeconomics	.50	12	Semester	No	No	Yes*	Pending

+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.

270151&2-AP Human Geography

Prerequisite: None
Length of Class: Year
Grade Level(s): 9
Fee: Pending

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. This course will be taught with the expectation that students will take the AP exam.

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.

275241-Global Perspectives

Length of Class: Semester
Prerequisite: None
Grade Level(s): 10

This course is a survey of world history from the mid-18th Century to modern day. It will use European and American history as a guide, but primarily focuses on the parallel histories of Central and South America, Africa, and Asia. In particular, the course focuses on the overarching themes of revolution, resistance, genocide, neo-colonialism/imperialism, industrialization, and the conflicts of

the 20th Century. Multiple assignments in this course will focus on inquiry and use project based learning.

271051&2-AP European History

Length of Class: Year
Prerequisite: None
Grade Level(s): 10
Fee: Pending

This is a rigorous college level course, which is designed to be approachable for the high-level sophomore in high school. 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. This course will be taught with the expectation that students will take the AP exam.

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 21st 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: Pending

This is a rigorous college level course. 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 freshman 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 University in this course. This course will be taught with the expectation that students will take the AP exam.

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: Pending

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 University in this course. This course will be taught with the expectation that students will take the AP exam.

Social Studies Required Courses

Grade 9	Grade 10	Grade 11	Grade 12
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 Macroeconomics

Theatre & Film

No.	Name	Credit	Grade	Length	Prerequisite	Repeat for Credit	College Credit Available	Fee
111461&2	Acting 1-2	1.0	9-12	Year	None	No	No	No
111471&2	Acting 3-4	1.0	10-12	Year	Acting 1-2 or Instructor Approval	Yes	No	No
111481&2	Acting 5-6	1.0	11-12	Year	Acting 3-4 or Instructor Approval	No	No	No
111491&2	Acting 7-8	1.0	12	Year	Acting 5-6 or Instructor Approval	No	No	No
031731	Audiovisual Production	.50	9-12	Semester	None	No	No	No

111461&2-Acting 1-2

Length of Class: Year

Prerequisite: None

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

This class is a yearlong introduction to stage and film acting. 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.

111471&2-Acting 3-4

Length of Class: Year

Prerequisite: Acting 1-2 or Instructor approval

Grade Level(s): 10, 11, 12

Units of study include: Directing, Play Production, Playwriting, Dialects, Musical Theatre, Auditioning, Short Film Production, Advanced Stage Combat, Scripted Scenes and Monologues.

111481&2-Acting 5-6

Length of Class: Year

Prerequisite: Acting 3-4 or Instructor approval

Grade Level(s): 11, 12

Units of study include: Directing, Play Production, Playwriting, Dialects, Musical Theatre, Auditioning, Short Film Production, Advanced Stage Combat, Scripted Scenes and Monologues.

111491&2-Acting 7-8

Length of Class: Year

Prerequisite: Acting 5-6 or Instructor approval

Grade Level(s): 12

Units of study include: Directing, Play Production, Dialects, Musical Theatre, Auditioning, Short Film Production, Advanced Stage Combat, Scripted Scenes and Monologues.

031731-Audiovisual Production

Length of Class: Semester

Prerequisite: None

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

Students will learn principles of mixing and editing music as well as lighting/sound systems for live events. Hands on work with Digital Audio Workstations, mixing boards & lighting consoles will make up most of the work in the class. Final projects will be chosen by each student in their area of interest and speciality.

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	Prerequisite	Repeat 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	
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 Spanish 1-2	No	Yes	

+Indicates NCAA Approved Core Courses

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 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.

120121&2-Spanish 3-4

Length of Class: Year

Prerequisite: Spanish 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 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.

120131&2-Spanish 5-6

Length of Class: Year

Prerequisite: Spanish 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.

120221&2 Heritage Spanish 1-2

120231&2 Heritage Spanish 3-4

Length of Class: Year

Prerequisite: Heritage Spanish 1-2 = None, Heritage Spanish 3-4 = Heritage 1-2

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. Heritage 3-4 students can earn dual credit through Western Oregon University and the Willamette Promise Program.

GO BRUINS!!

