WILLAMETTE
HIGH SCHOOL
2017-2018
Curriculum Guide

Business Education
Early Childhood Education
English Language Development
Fine & Digital Arts
Health
Hospitality and Tourism
International Baccalaureate
Language Arts
Mathematics
Parenting Education
Physical Education
Science
Social Studies
Technology
World Languages
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**WHAT WILL IT TAKE TO GRADUATE?**

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 9</th>
<th>Grade 10</th>
<th>Grade 10</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>Language Arts</td>
<td>Language Arts</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Math</td>
<td>Math</td>
<td>Math</td>
<td>Math</td>
</tr>
<tr>
<td>American Studies</td>
<td>American Studies</td>
<td>World Studies</td>
<td>World Studies</td>
</tr>
<tr>
<td>Science</td>
<td>Science</td>
<td>Science</td>
<td>Science</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
<td>Fine/Applied Arts</td>
<td>Fine/Applied Arts</td>
</tr>
<tr>
<td>Fine/Applied Arts</td>
<td>Fine/Applied Arts</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Study Hall</td>
<td>Study Hall</td>
<td>Study Hall/Off campus</td>
<td>Study Hall/Off campus</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Grade 11</th>
<th>Grade 11</th>
<th>Grade 12</th>
<th>Grade 12</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>Language Arts</td>
<td>Language Arts</td>
<td>Language Arts</td>
</tr>
<tr>
<td>Math</td>
<td>Math</td>
<td>Math or elective</td>
<td>Math or elective</td>
</tr>
<tr>
<td>Science</td>
<td>Science</td>
<td>Science or elective</td>
<td>Science or elective</td>
</tr>
<tr>
<td>Career Pathway*</td>
<td>Career Pathway</td>
<td>Government</td>
<td>Social Studies Select</td>
</tr>
<tr>
<td>Pathway Elective</td>
<td>Pathway Elective</td>
<td>Pathway or Elective*</td>
<td>Pathway or Elective</td>
</tr>
<tr>
<td>Fine/Applied Arts</td>
<td>Fine/Applied Arts</td>
<td>Personal Finance</td>
<td>Elective</td>
</tr>
<tr>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
<td>Elective</td>
</tr>
<tr>
<td>Study Hall/Off campus</td>
<td>Study Hall/Off campus</td>
<td>Study Hall/Off campus</td>
<td>Study Hall/Off campus</td>
</tr>
</tbody>
</table>

Other Diploma Options: Some students will be eligible for other diplomas or completion certificate options; eligibility criteria are set by state law. Students who are eligible, and their parents, will be informed by school staff as part of the student’s individual planning process. Requirements for credit, career-related learning experiences and essential skills may vary for these other diploma options. If you have questions about the modified or extended diploma, please contact your high school’s counseling office.

*See next page for career related graduation requirements

**Willamette High School Graduation**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts (9-12)</td>
<td>4 credits</td>
</tr>
<tr>
<td>Math (9-11)</td>
<td>3 credits</td>
</tr>
<tr>
<td>3 credits of Algebra 1 and beyond</td>
<td></td>
</tr>
<tr>
<td>Social Studies</td>
<td></td>
</tr>
<tr>
<td>World Studies (10)</td>
<td>1 credit</td>
</tr>
<tr>
<td>American Studies (9)</td>
<td>1 credit</td>
</tr>
<tr>
<td>Government (12)</td>
<td>.5 credit</td>
</tr>
<tr>
<td>Social Studies Elective (11-12)</td>
<td>.5 credit</td>
</tr>
<tr>
<td>Science (9-11)</td>
<td>3 credits</td>
</tr>
<tr>
<td>Health (9-10)</td>
<td>1 credit</td>
</tr>
<tr>
<td>Physical Education (9-12)</td>
<td>1 credit</td>
</tr>
<tr>
<td>Personal Finance (12)</td>
<td>.5 credit</td>
</tr>
</tbody>
</table>

**Oregon University System Requirements**

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>Language Arts</td>
<td>4 credits</td>
</tr>
<tr>
<td>Math</td>
<td>3 credits</td>
</tr>
<tr>
<td>Social Studies</td>
<td>3 credits</td>
</tr>
<tr>
<td>Science</td>
<td>3 credits</td>
</tr>
<tr>
<td>Second Language</td>
<td>2 credits</td>
</tr>
</tbody>
</table>
**Fine & Applied Arts or Second Language Electives**

<table>
<thead>
<tr>
<th>Credit</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>3</td>
<td></td>
</tr>
<tr>
<td>5.5</td>
<td></td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>24 Credits</strong></td>
</tr>
</tbody>
</table>

* Math credit is only awarded for Algebra 1 and above. ** Students must earn at least 3 credits in Applied and Fine Arts to earn a diploma. Courses taken in the following departments will satisfy the Applied and Fine Arts requirement: Fine Arts, Business, Computers, World Languages, Technology Education and Family & Consumer Studies.

*See list of college prep classes on page 4

*Visit college admissions office web sites for GPA requirements

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**Willamette High School graduation requirements**

## Graduation Requirements

**Let’s keep your student on track for graduation and beyond.**

To succeed in the 21st century, students need to have 21st century skills. Oregon has created its graduation standards to become more rigorous—and we believe that every student, with effort and attention, has the capacity to meet these standards. Students will work with high school staff to create and follow a personalized plan to meet the new requirements and get ready to succeed wherever they go next. In addition to earning the required credits, students must meet or exceed state requirements in reading, writing and math.

**What this means for your students:** These essential skills are already being taught in Oregon schools, but the requirement to demonstrate proficiency in order to graduate is new. Students must meet benchmarks on the state test for each skill, or demonstrate proficiency through work samples or another approved standardized test.

Students need to meet or exceed expectations on the high school statewide test (Smarter Balance), or an alternate assessment, in order to graduate. Students who do not meet the Smarter Balanced benchmarks will be offered targeted assistance and opportunities to retake the test or another approved assessment, or demonstrate proficiency through work samples.

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**Get Ready to Meet the World: Personalized Learning**

These requirements personalize the diploma and help student prepare for their post-graduation goals.

**Education Plan and Profile:** Students work with school staff to develop a plan that will carry them through high school. Courses are chosen in coordination with students’ interests to guide their learning, document academic achievement, and help them progress toward their personal, career, and post-high school goals.

**Career-Related Learning Experience:** Students participate in experiences that connect classroom learning with adult life experiences in the community and/or school relevant to their education plan.

**Extended Application:** Students apply and extend their knowledge in new and complex situations related to the student’s personal and career interests and post-high school goals through critical thinking, problem solving, or inquiry in adult career contexts.

Students choose an Introductory Career class their junior year. Some programs offer elective choices beginning their freshman year. The Career Pathway program choices include:

- **Business Management**
- **Design and Manufacturing**
- **Digital Arts**
- **Early Childhood Education**
The following classes will apply toward the college prep requirements for entrance into all the colleges in the Oregon University System. These courses are viewed as “solid” or “core” courses by colleges and universities. Both the number of these courses and the grades received for them can significantly enhance acceptance to both public and private four-year colleges and universities. Pass/No Pass is generally NOT accepted for admission requirements in these areas, and a minimum C grade is often required.

<table>
<thead>
<tr>
<th>Science</th>
<th>English</th>
<th>Social Studies</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>Physical Science</td>
<td>English 9</td>
<td>American Studies</td>
<td>Algebra 1</td>
</tr>
<tr>
<td>General Biology</td>
<td>English 10</td>
<td>World Studies</td>
<td>Geometry</td>
</tr>
<tr>
<td>Astronomy</td>
<td>English 10 A</td>
<td>Government</td>
<td>Concepts of Algebra</td>
</tr>
<tr>
<td>Botany</td>
<td>English 11</td>
<td>Economics</td>
<td>Concepts of Geometry</td>
</tr>
<tr>
<td>General Geology</td>
<td>English 12</td>
<td>Modern US History</td>
<td>Geometry</td>
</tr>
<tr>
<td>Zoology</td>
<td>Creative Writing</td>
<td>Current Events</td>
<td>Math Encounters</td>
</tr>
<tr>
<td>Chemistry</td>
<td>IB English 1</td>
<td>Social Justice</td>
<td>Algebra 2</td>
</tr>
<tr>
<td>Physics</td>
<td>IB English 2</td>
<td>Sociology</td>
<td>Math Studies</td>
</tr>
<tr>
<td>IB Sports, Exercise, and Health Science 1</td>
<td>IB Chemistry 1</td>
<td>General Psychology</td>
<td>Precalculus</td>
</tr>
<tr>
<td>IB Sports, Exercise &amp; Health Science 2</td>
<td>IB Chemistry 2</td>
<td>AP American Government</td>
<td>IB Precalculus</td>
</tr>
<tr>
<td>IB Chemistry 1</td>
<td></td>
<td>IB History 1-Amercia</td>
<td>AP Calculus</td>
</tr>
<tr>
<td>IB Chemistry 2</td>
<td></td>
<td>IB History 2-20th Century-World History</td>
<td>AP Statistics</td>
</tr>
</tbody>
</table>

### Four-Year College Entrance Requirements

The Oregon State System of Higher Education requires the completion of a set of college preparatory courses in addition to the minimum high school GPA for admission to all state colleges and universities. The course requirements are listed below. All students are strongly advised to plan a high school program that will meet these course requirements. All college preparatory work must be completed with a C-grade or better. Many universities have additional requirements such as a full year of fine arts. Be certain to check for specific requirements with individual colleges or universities. Students athletes are cautioned that the NCAA does not accept pass/no pass grades for classes and there are credit requirements to compete. The NCAA requirements should be discussed with your counselor. Students must satisfactorily complete at least fifteen credits in these core academic areas to meet minimum requirements. The subject requirements are:

**English/Language Arts (4 credits)** The study of the English language: literature, speaking and listening, and writing expository prose during all four years.

**Mathematics (3 credits)** Algebra and two additional years of college prep math. An advanced math course is highly recommended during the senior year. (Algebra 1 and Geometry taken prior to the 9th grade will be accepted).

**Science (3 credits)** A year each in two fields of college preparatory science such as Biology, Chemistry, Physics, or Physical Science; two years recommended as a laboratory science.
Social Studies (3 credits) One year each of American Studies, World Studies, one semester of Government and Social Studies elective.

World Languages (2 credits) Second year proficiency in a world language. One semester Fine Arts (1 credit)
California Universities require one year of fine arts credit in a single subject area, example; Ceramics 1 & Ceramics 2. Some other colleges and universities have other requirements.
NOTE: Night School and Summer School and Lane Community College classes may not be accepts by 4-year college and universities to meet college entrance requirements and/or NCAA eligibility.

What is the Willamette Honors Diploma?
This is a special diploma awarded at graduation by Willamette High School to recognize those students who take a more rigorous course of study. Students who earn a full IB Diploma will also be recognized with an Honors Diploma.

What are the requirements of the Honors Diploma if not pursuing a full IB diploma?
28 credits of required courses
Minimum GPA of 3.5 by the end of first semester senior year
At least 2 advanced courses (one year each)
Minimum grade of C in core classes
May not take these on a Pass/No Pass basis
150 hours of community service

*A student who completes all IB Diploma requirements and maintains a 3.5 GPA will qualify for the Honors Diploma.

Required courses:
Math (4 credits)
Science (4 credits)
Health (1 credit)
Physical Education (1 credit)
Personal Finance (.5 credit)
Electives (6.5 credits)

Advanced courses:
Physics AP Human Geography
IB Sports, Exercise, and Health Science 1 IB Sports, Exercise & Health Science 2
IB Chemistry 1 IB Chemistry 2
IB Precalculus Precalculus
AP Statistics AP Calculus
IB English 1 IB English 2
IB History 1 - Americas IB History 2 - 20th Century World
IB Psychology 1 IB Psychology 2
AP American Government IB Theory of Knowledge
IB Spanish IB German
IB Theatre 1 IB Theatre 2

What are the community service requirements?
Students are required to complete 150 hours of community service. These hours may be completed over the entire 4 years of high school, and they must be voluntary, non-curriculum based, and non-paid. These service hours must directly benefit the community, either school, local, or global. For students working on an IB Diploma, often the same activities can be applied to both diplomas.

Honors
Honors are awarded to students at graduation who are enrolled in five graded classes their entire senior year.
Students with major referrals during their final semester may forfeit the privilege of graduating with honors.

International Baccalaureate Diploma Program

What is the International Baccalaureate Diploma Program?

- An internationally recognized program of challenging college-prep courses
- Available for 11th-12th grades
- Courses promote critical thinking, analysis, writing, and oral discussion
- Teachers are required to be trained in their IB subject area
- Emphasis is placed on internationalism in all courses
- Assessment is done by both the teacher and the IB organization
- Accelerated coursework is recommended in grades 9-10
- College credit may be available for passing particular exams

What is the difference between an IB Diploma and a regular WHS diploma?

- IB Diploma requires satisfactory completion of IB coursework in 6 disciplines and Theory of Knowledge
- IB Diploma requires a personal and community service component (CAS) to be completed over two years
- IB Diploma candidates must satisfactorily complete an Extended Essay in a subject of their choosing
- IB Diploma candidates must complete at least 3 IB courses at the Higher Level
- IB Diploma recipients earn college credit at most universities and many universities offer admissions incentives specifically designed (such as guaranteed acceptance and priority housing) for IB Diploma students

Is it possible to take IB courses without attempting the full IB Diploma?

YES! We encourage all students to take IB classes. It is possible to take just those IB courses in which students have an interest. In addition, successful completion of the IB examinations in those courses may earn college credit.

Are there certain courses that 9th and 10th graders should take to prepare for IB?

Since the IB courses are taught at an advanced level, it is important to take as demanding a schedule as you can in the 9th and 10th grades for preparation. Recommendations are to begin a second language in 9th grade and to take any advanced or honors courses that are at your appropriate academic level, such as those in math, science and language arts.

What IB courses are offered at Willamette?

<table>
<thead>
<tr>
<th>Group 1 (Language A)</th>
<th>Group 2 (Language B)</th>
<th>Group 3 (Individual and Societies)</th>
<th>Group 4 (Experimental Sciences)</th>
<th>Group 5 (Mathematics)</th>
<th>Group 6 (Arts)</th>
<th>Other</th>
</tr>
</thead>
<tbody>
<tr>
<td>IB English 1, IB English 2</td>
<td>IB Spanish and IB German</td>
<td>IB History 1 - Americas, IB History 2 - 20th Century World</td>
<td>IB Psychology 1, IB Psychology 2</td>
<td>IB PreCalculus</td>
<td>IB Theatre 1, IB Theatre 2</td>
<td>IB Theory of Knowledge</td>
</tr>
</tbody>
</table>

Courses recommended, but not required, for students who are planning to pursue an IB Diploma in grades 11-12.

<table>
<thead>
<tr>
<th>Grade 9</th>
<th>Grade 10</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td></td>
</tr>
<tr>
<td>Department</td>
<td>9th Grade</td>
</tr>
<tr>
<td>------------------</td>
<td>-----------</td>
</tr>
<tr>
<td>English</td>
<td>English 9 or English 9A</td>
</tr>
<tr>
<td>Second Language</td>
<td>Spanish 1 German 1</td>
</tr>
<tr>
<td>Social Studies</td>
<td>American Studies</td>
</tr>
<tr>
<td>Science</td>
<td>Physical Science or Biology</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Algebra 1 or Geometry</td>
</tr>
<tr>
<td>Arts/Elective</td>
<td>NA</td>
</tr>
<tr>
<td>Theory of Knowledge</td>
<td>NA</td>
</tr>
</tbody>
</table>

**IB/AP Sequence of Courses**

**IB Transcript and Grade Point Average**

Upon completion of any IB course, students' transcripts will receive the “IB” designation. This is a highly regarded, internationally recognized mark of achievement.

Students will receive a weighted grade for all IB classes taught at the HL and for any SL class in which an IB examination may be taken that year.
Students will receive a weighted grade for all AP classes.

### Options for Earning College Credit

Willamette students have several opportunities to earn college credits while attending WHS. The earned college credit is in addition to the high school credit awarded for the course. All students are encouraged to explore these opportunities. College credit can be earned by the following methods:

1. **AP Exams**: Students who pass the exam for any AP course will earn college credit and/or waiver of college freshmen courses. The credit awarded varies based on the college and score earned on the exam. Consult the college website for details. The cost for each exam is $83. Students who pass an AP class will receive a weighted grade in the class.

2. **IB Exams**: Students who complete any IB course that are designated as Higher Level (HL= two years long) and pass the required exams will have a college credit option. In some instances (including at all Oregon universities) college credit can also be earned for passing Standard Level (SL) exams. There is a cost for each exam which varies depending on how many exams are being taken. Exam fees are due in the fall and exams are in May. In addition, students who complete the full IB Diploma may earn college credits for many of their IB courses, and may earn up to a full year of college credits. Visit the IB website [here](http://blogs.bethel.k12.or.us/jstarr-ib/) for details as credit awarded may vary. Generally, students who pass an IB class will receive a weighted grade in the class.

3. **College Now**: Students can earn credit through Lane Community College if they receive a B or better in a Willamette Tech Prep class. Tech Prep courses are found in Business, Family and Consumer Studies, Fine Arts and Technology Departments. College Now credit can also be earned in Spanish, IB SEHS, Algebra 2 and AP Human Geography.

NOTE: All costs were accurate at the time of printing but are subject to change.
## LCC's College Now Program
### Options for Earning College Credit

<table>
<thead>
<tr>
<th>Subject</th>
<th>Introduction</th>
<th>Instructor(s)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations in the Visual Arts</td>
<td>Introduction to Visual Arts</td>
<td>Neu</td>
</tr>
<tr>
<td>Design 1 &amp; 2</td>
<td>Basic Design: Fundamentals</td>
<td>Neu/Doyle</td>
</tr>
<tr>
<td>Advanced Digital Arts</td>
<td>Digital Design Tools</td>
<td>Doyle</td>
</tr>
<tr>
<td>Ceramics 1 &amp; 2</td>
<td>Ceramics: Hand Building</td>
<td>Neu</td>
</tr>
<tr>
<td>Personal Finance</td>
<td>Personal Finance</td>
<td>Boyd/Arnold</td>
</tr>
<tr>
<td>Accounting 1 &amp; 2</td>
<td>Introduction to the Accounting Cycle</td>
<td>Boyd/Arnold</td>
</tr>
<tr>
<td>Computer Technology/Keyboarding</td>
<td>Computer Fundamentals</td>
<td>Boyd/Arnold</td>
</tr>
<tr>
<td>Advanced Computer Tech</td>
<td>MS Word, Excel &amp; PowerPoint for Business</td>
<td>Arnold</td>
</tr>
<tr>
<td>Design/Manufacturing</td>
<td>Blueprint Reading 1</td>
<td>Harrison</td>
</tr>
<tr>
<td>Advanced Woods</td>
<td>Construction Orientation &amp; Environment</td>
<td>Harrison</td>
</tr>
<tr>
<td>Design/Manufacturing</td>
<td>Building Construction</td>
<td>Harrison</td>
</tr>
<tr>
<td>Architectural Drafting-Plans</td>
<td>Architectural Drafting-Plans</td>
<td>Harrison</td>
</tr>
<tr>
<td>Drafting Tech.</td>
<td>Graphic Concepts</td>
<td>Harrison</td>
</tr>
<tr>
<td>Adv. Drafting Tech.</td>
<td>CAD 1</td>
<td>Harrison</td>
</tr>
<tr>
<td>Drafting Tech.</td>
<td>Solid Modeling</td>
<td>Harrison</td>
</tr>
<tr>
<td>World of Children 1</td>
<td>Intro to Early Childhood Education</td>
<td>Anderson</td>
</tr>
<tr>
<td>World of Children 2</td>
<td>Creative Activities for Young Children</td>
<td>Anderson</td>
</tr>
<tr>
<td>Infant/Toddler Lab Experience</td>
<td>Practicum 1-ECE Lab School</td>
<td>Anderson</td>
</tr>
<tr>
<td>Preschool Lab Experience</td>
<td>Practicum 1-ECE Lab School</td>
<td>Anderson</td>
</tr>
<tr>
<td>Motion Graphics 1, 2 &amp; 3</td>
<td>Computer Animation</td>
<td>Symonds</td>
</tr>
<tr>
<td>AP Human Geography</td>
<td>Introduction to Human Geography</td>
<td>Simmons</td>
</tr>
<tr>
<td>Medical Terminology 1</td>
<td>Medical Terminology 1</td>
<td>Vendetti</td>
</tr>
<tr>
<td>Health Office Procedures</td>
<td>Health Care Procedures</td>
<td>Hedberg</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>Human Body Systems 1</td>
<td>Vendetti</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>IB Sports, Exercise and Health Science 1</td>
<td>Vendetti</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>Human Body Systems 2</td>
<td>Vendetti</td>
</tr>
<tr>
<td>Anatomy &amp; Physiology</td>
<td>IB Sports, Exercise and Health Science 1</td>
<td>Vendetti</td>
</tr>
<tr>
<td>Pro-Start Culinary 2</td>
<td>Intro to Travel &amp; Tourism</td>
<td>Humphreys</td>
</tr>
<tr>
<td>Food Service Basics</td>
<td>Restaurant Operations</td>
<td>Humphreys</td>
</tr>
<tr>
<td>Pro-Start Culinary 1</td>
<td>Intro to Hospitality Management</td>
<td>Humphreys</td>
</tr>
<tr>
<td>Industry &amp; Engineering Systems</td>
<td>Wire Drive Welding</td>
<td>Hodgert</td>
</tr>
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<td>Industry &amp; Engineering Systems</td>
<td>Manufacturing Technology</td>
<td>Hodgert</td>
</tr>
<tr>
<td>Industry &amp; Engineering Systems</td>
<td>Shielded Metal Arc Welding 1</td>
<td>Hodgert</td>
</tr>
<tr>
<td>Advanced Metals</td>
<td>Wire Drive Welding</td>
<td>Hodgert</td>
</tr>
<tr>
<td>Advanced Metals</td>
<td>Shielded Metal Arc Welding 1</td>
<td>Hodgert</td>
</tr>
<tr>
<td>Advanced Metals</td>
<td>Manufacturing Tech</td>
<td>Hodgert</td>
</tr>
<tr>
<td>I.B. Spanish 4</td>
<td>Spanish Second-Year (201)</td>
<td>Yeiter</td>
</tr>
<tr>
<td>I.B. Spanish 5</td>
<td>Spanish Second-Year (202)</td>
<td>Yeiter</td>
</tr>
</tbody>
</table>
ADVANCED CAREER ENDORSEMENT: ACE

Willamette High School offers students an opportunity to earn their Advanced Career Endorsement in a variety of career pathways. The ACE program is designed to allow students to explore an area of career interest while gaining knowledge and skills specific to that pathway. This endorsement acknowledges the student’s exemplary work towards a focused post high school career path. Depending on individual career and academic goals, it helps to prepare students for a 4-year college or a Technical Professional program to entering the work force directly after high school. Many pathways offer courses that award college credit through agreements with Lane Community College.

Advanced Career Endorsement requirements:

- Pass the required Career Pathway classes with a B average (total credit hours vary per pathway)
- Participate in various School-to-Work experiences such as job shadows, service learning projects, internships, school based enterprises and other career specific activities
- Maintain a 2.0 GPA in all other high school classes
- Provide work samples that meet Extended Applications of career-related knowledge and skills.

Business Management  Design and Manufacturing
Digital Arts  Early Childhood Education
Fine Arts  Health Services
Hospitality & Tourism Career  Human Behavior
Industry and Engineering  Multimedia Arts
Performing Arts
## Business Management Pathway

**Required for Business and Management ACE**

### 3.0 Credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Business</td>
<td>1.0</td>
<td>10-12</td>
</tr>
<tr>
<td>Senior Business Lab</td>
<td>1.0</td>
<td>11-12</td>
</tr>
<tr>
<td>Electives</td>
<td>1.0</td>
<td>10-12</td>
</tr>
</tbody>
</table>

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### Recommended:
Accounting 1 & 2, Advanced Computer Tech

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**Introduction to Business**

1 Year

**S1 #120521  S2 #120522**

**Prerequisite:** none  Class open to grade 10-12.

**The student will:** examine the fundamentals of team building and communication within the business environment while learning topics related to economics, ethics & social responsibility, business organizations, management & teamwork, human resources, marketing, and accounting & finance. In addition, students will focus on building effective teams, managing team conflict, and taking advantage of team diversity. Most projects are team based.

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**Senior Business Lab**

1 Year

**S1 #120011  S2 #120012**

**Prerequisite:** Instructor approval required. Class open to grades 11-12.

**Course Description**

**The course will** give students the opportunity to work as a manager in the school store.

**The student will** be involved in all aspects of running a small retail store including ordering and inventory control, training and managing employees, cash proof and deposits, advertising, product decisions, and store set up.
Design, Manufacturing & Construction Pathway

Required for Design and Manufacturing ACE
3.0 credits

<table>
<thead>
<tr>
<th>Required courses</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design and Manufacturing</td>
<td>1.0</td>
<td>11</td>
</tr>
<tr>
<td>Design and Manufacturing</td>
<td>1.0</td>
<td>12</td>
</tr>
<tr>
<td>Electives</td>
<td>1.0</td>
<td>9-12</td>
</tr>
</tbody>
</table>

Qualifying Electives: Basic Drafting, Advanced Drafting, Basic Woods, Advanced Woods, Digital Manufacturing 1, Digital Manufacturing 2, Women in Engineering

Recommended coursework for jobs requiring a high school diploma:
Industrial Technology electives and several art classes.

Recommended coursework for jobs requiring college coursework:
Industrial Technology electives, Physics, Algebra 2 or higher, and several art classes.

Recommended coursework for jobs requiring four years of college:
Industrial Technology electives, Physics, Chemistry, Pre-Calculus, Foreign Language, and several art classes.

Design, Manufacturing & Construction 1 Year

Year #130020
Prerequisite: Intro to Drafting Technology, Basic Wood Technology, instructor’s approval. Class open to grade 11, 12. Must begin Semester 1.
The course will be activity based with hands on activities. Students will work on individual skills as well as learning to work in teams on projects. The course will have two major areas of focus. One being CAD design, this will include using Software which will include Mechanical, Architectural, 3D solidworks design principles. There will be an emphasis placed upon problem solving and engineering based problems in individual and team settings. The second is on manufacturing of a product. Students will use the design produced in solidworks Software and manufacture (build, construct) their products. Again this can be an individual setting as well as in teams. The students will do projects that could include: design full set of house plans, design and build storage buildings, design and manufacture interior cabinetry, design and manufacture modern furniture, design and mass produce a product for sale. Students will have areas of special interest such as civil engineering and do an electronic visual presentation in that area. Students will also have access to apprenticeships in areas of interest.

College Now: Students who spend a majority of the class in the design process using solidworks Software may have opportunities to gain college credit through LCC and the College Now Program.
Digital Arts Pathway
Required for Arts and Communications ACE
3.0 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Advanced Digital Arts 1 &amp; 2</td>
<td>1.0</td>
<td>10-12</td>
</tr>
<tr>
<td>Graphic Design</td>
<td>.5</td>
<td>9-12</td>
</tr>
<tr>
<td>Digital Photography</td>
<td>.5</td>
<td>9-12</td>
</tr>
<tr>
<td>Electives:</td>
<td>1.0</td>
<td>9-12</td>
</tr>
</tbody>
</table>

Qualifying Electives: Design 1, Design 2, Yearbook 1 & 2, Digital Arts Independent Study

Advanced Digital Art Studio 1 & 2 1 Year

#111530 (year)
Prerequisite: Graphic Design and Digital Photography
This class earns college credit at LCC and can be repeated for credit
Class open to grades 10 - 12
This advanced level course will serve students interested in deepening their understanding of the professional field of design and photography. Coursework will primarily be design work for real clients within the district and community.
Students will interact and work with clients, creating design and photography pieces that will be professionally produced. Students will learn how to follow a project from client meeting to finished piece, and respond appropriately to the needs of the client and the constraints of the project and budget. Students will expand their technical skills using Adobe Photoshop, Illustrator and InDesign, giving them a solid foundation for pursuing a future in design and photography in higher education or a career in the visual arts field. Students will finish this course with a resume and portfolio of work.

Graphic Design 1 Semester

#051620
Prerequisite: None
Class open to grades 9 - 12
This course will provide an overview of the many ways we communicate with design. Instruction will focus on design techniques using the elements and principles of design. This course will also introduce students to industry standard hardware, software, and the profession of design.
Students will examine the design industry and understand how it impacts the way we make decisions, access information and communicate with each other. Students will also investigate how design reflects our cultural and societal values. Through project-based learning, students will develop design and technical skills using hardware and software used by professional graphic designers, such as Adobe Photoshop, Illustrator and InDesign.

Digital Photography 1 Semester

#051670
Prerequisite: None
Class open to grades 9 - 12
This course will provide an overview of the art and history of photography. In this class, students will examine how photography shapes the way we view events, places and people. Photographic processes, composition techniques, and the career of photography will also be explored.
Students will use the basic elements and principles of design in their photographic compositions. Students will examine and critique the work of photographers throughout history. Students will understand and use basic photographic terms such as F-stops and depth of field. Using digital cameras, computers and industry standard software such as Adobe Photoshop, students will operate hardware and software to maximize the visual impact of their photography.
Early Childhood Education Pathway

Required for Early Childhood Education ACE
3 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Creative Activities for Young Children 1 &amp; 2</td>
<td>1.0</td>
<td>10-11</td>
</tr>
<tr>
<td>Infant Toddler Experience 1</td>
<td>.5</td>
<td>11-12</td>
</tr>
<tr>
<td>Preschool Experience 1</td>
<td>.5</td>
<td>11-12</td>
</tr>
<tr>
<td>Electives</td>
<td>1.0</td>
<td>9-12</td>
</tr>
</tbody>
</table>

Recommended: Infant Toddler/Preschool Experience 2, IB Psychology 1, Advanced Computer Tech, and Foods Assistant

Creative Activities for Young Children 1

Semester

Prerequisite: None. Class is open to grades 10-12.
The course will introduce students to creative activities for preschool children.
The students will explore art, literature, and storytelling activities suitable for preschool children. In addition, students will gain introductory knowledge of child development and positive child guidance strategies. Students will also have time to observe and interact directly with the children and staff at Willamette’s Little Wolverine Preschool. Students will have the opportunity to earn college credits through LCC with the College Now Program.

Creative Activities for Young Children 2

Semester

Prerequisite: None. Class is open to grades 10-12.
This course is a continuation of Creative Activities for Young Children 1. New students are welcome.
Students will explore music, games, finger-plays, dramatic play, dance, blocks, and cooking activities suitable for preschool children. Students will continue to observe and interact with the children and staff at Willamette’s Little Wolverine Preschool as well as expand their understanding of child development and positive child guidance strategies. Students will have the opportunity to earn college credits through LCC with the College Now Program.

Infant Toddler Experience 1

Semester

Prerequisite: Creative Activities for Young Children 1 & 2 and instructor approval.
The course provides 2nd year ECE students the opportunity to work in Willamette’s Infant Toddler Center.
The student will also complete independent coursework to gain a better understanding of the field of early childhood education. Students will also continue the study and practice of positive child guidance strategies with the support of Willamette’s Infant Toddler Center teachers. Students will have the opportunity to earn college credits through LCC with the College Now Program.

Preschool Experience 1

Semester

Prerequisite: Creative Activities for Young Children 1 & 2 and instructor approval.
The course provides 2nd year ECE students the opportunity to work in Willamette’s Little Wolverine Preschool.
The student will also complete independent coursework to gain a better understanding of the field of early childhood education. Students will also continue the study and practice of positive child guidance strategies with the support of Willamette’s Little Wolverine Preschool teachers. Students will have the opportunity to earn college credits through LCC with the College Now Program.

Infant Toddler/Preschool Experience 2

Semester or Year

Prerequisite: Creative Activities for Young Children 1 & 2, Infant Toddler & Preschool Experience 1, and instructor approval.
The course is an extension of Preschool and Infant Toddler Experience 1. Eligible 3rd year ECE students will work, with the support of staff members, in both the Willamette Infant Toddler Center and the Little Wolverine Preschool.
The student will also complete independent coursework to gain further understanding of the field of early childhood education.
Fine Arts Pathway
Required for Arts & Communications ACE
3 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundations in the Visual Arts</td>
<td>1.0</td>
<td>11</td>
</tr>
<tr>
<td>Advanced Studies in the Visual Arts</td>
<td>1.0</td>
<td>12</td>
</tr>
<tr>
<td>Electives:</td>
<td>1.0</td>
<td>9-12</td>
</tr>
</tbody>
</table>

Recommended: Design 1, Design 2, Ceramics 1, Ceramics 2, Specialized Art

**Foundation in the Visual Arts**  1 Year
S1 #052011  S2 #052012
Prerequisite: none
Class is open to grade 11.
This course will provide students with the opportunity to focus their study on art principles, history, social impact and applications. Students will study art history, movements, including The Renaissance, The Impressionist movement, early 20th century art, and modern approaches to artistic expression. They will examine art’s impact on society. And they will explore art’s ability to express cultures and communicate messages within communities. Each of these emphases includes the development of art appreciation and the ability to identify aesthetic qualities.

**Advanced Studies in the Visual Arts**  1 Year
This class earns college credit at LCC
S1 #052015  S2 #052016
Prerequisite: none
Open to grade 12.
The course will: Focus on art careers while developing a portfolio of art samples. This class will emphasize real world learning in the Arts and Communications fields.
Students will: individually engage in some form of structured work experience and they will plan, develop, and present a project related to a particular interest or specialization in the Arts and/or Communications, during the second semester.
The student will: prepare a portfolio of artwork and develop a binder of written artifacts including a resume and cover letter specific to careers in the arts. This course is eligible for college credit at LCC.
Health Services Pathway

Required for Health Services ACE

4 Credits

<table>
<thead>
<tr>
<th>Required courses (average B or better)</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Health Office Procedures</td>
<td>.5</td>
<td>11-12</td>
</tr>
<tr>
<td>IB Sports, Exercise, and Health Science 1</td>
<td>1.0</td>
<td>10-11</td>
</tr>
<tr>
<td>IB Sports, Exercise &amp; Health Science 2</td>
<td>1.0</td>
<td>11-12</td>
</tr>
<tr>
<td>Medical Terminology</td>
<td>.5</td>
<td>11-12</td>
</tr>
</tbody>
</table>

**Health Office Procedures**

1 Semester

S2 #140013

**Prerequisite:** Wellness. Class open to grades 11-12.

**This course** is one semester that focuses on principles of filing and records management, specifically for the medical facility. Both legal and ethical concerns of confidentiality and privacy will be discussed. Topics include fundamentals of client reception, appointment scheduling, telephone techniques, letter composition, and filing procedures.

Students may earn LCC credit for successful completion (B or higher) of this course. This course is articulated with LCC for college credit. Students will have the opportunity to receive 3 credits at LCC following completion of the course.

**IB Sports, Exercise, and Health Science 1**

1 Year

Year #03053Y1 S1 #03053S2 #030536

**Prerequisite:** Passed General Biology with a “C” or higher

(Note: Required for all students entering the Health Career Pathway)

Class is open to grades 10-12.

**This is an advanced science course designed to provide a comprehensive background in human anatomy and physiology, medical terminology, basic cell biology, and microbiology. Human Anatomy and Physiology is an interdisciplinary science that includes areas of biology, math, physics, and chemistry. As such, it provides a unique opportunity providing students with the foundations for understanding their own body and current trends in health technology, developing critical thinking skills required for students entering allied health programs and improve communication, organization, and study skills. The course will consist of multi-media lectures, both small and large group problem solving activities, hands-on experiments, textbook and reference reading, guest speakers, field trips, projects, and dissection. Students should expect to do a minimum of 1 hour of homework weekly. If the student plans to attend college or working in the health field, this course is highly recommended. Students may be able to receive Tech Prep credit through LCC.

**IB Sports, Exercise, and Health Science 2**

1 Year

Year #03053Y2 S1 #030537 S2 #030538

**Prerequisite:** IB SEH 1; Class is open to grades 11-12

This is an advanced science course. As such, it provides a unique opportunity providing students with the foundations for understanding their own body and current trends in health technology, developing critical thinking skills required for students entering allied health programs and improve communication, organization, and study skills.

The course will incorporate the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context.

**Medical Terminology**

1 Semester

**Prerequisite:** none #141540

Class open to grades 10-12. Students working toward a Health Services ACE are required to take this course.

Students interested in health and human resource careers, and the business aspect of health care will benefit from this knowledge. Students are given the opportunity to meet some of the Career Related Learning Standards such as communication and career development.

Students will have the opportunity to receive 3 College Now credits at LCC following completion of this course.

Medical Terminology is required in the Health Information Technology, Medical Office Assisting, Respiratory Care and EMT programs at the college.

The course will provide students the chance to integrate anatomy and physiology knowledge and enhance their medical research skills. Other classroom activities include group work and games, listening to audiotapes, reading and researching medical publications and internet sites.

The student will learn how to spell, pronounce, define, identify word parts, and correctly use medical terms. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations and symbols are included in the content.

Credit earned .5 elective.
Hospitality & Tourism Career Pathway
Required for Hospitality & Tourism ACE
2.5 credits

<table>
<thead>
<tr>
<th>Course</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>ProStart Culinary I</td>
<td>1.0</td>
<td>11</td>
</tr>
<tr>
<td>ProStart Culinary II</td>
<td>1.0</td>
<td>12</td>
</tr>
<tr>
<td>Elective from list below</td>
<td>.5</td>
<td>9-12</td>
</tr>
</tbody>
</table>

**Food Service, Baking & Tourism** 1 Semester
S1 & S2#160532

Prerequisite: none. Class open to grades 9-12.

The course will present basic information needed for obtaining food service and tourism jobs such as baker, hostess, waiter/waitress.

The student will learn to use basic equipment and prepare simple foods as they are done in restaurants. The student will bake different foods such as pies, cookies, cinnamon rolls, and pizza. Students in this class may be selected to participate on the WHS culinary team.

**Foods Assistant** Semester or Year
S1 #222451  S2 #222452

Prerequisite: Instructor consent. Class open to grades 10-12. Open both semesters.

The course will provide the student an opportunity to develop grocery skills, food preparation, organizational tasks related with food preparation and clean-up/sanitation skills related to the restaurant business. They may also learn food preparation skills necessary to meet USDA guidelines for infants and toddlers.

**Meals** 1 Semester
S1 & S2 #222020

Prerequisite: none. Class open to grades 9-12.

The course will teach baking skills & food preparation ideas for independent living.

The student will prepare main dishes, salads, and breads. Pies, cakes, candies & other baked goods will be part of food labs. Students prepare meals, learn time saving techniques, and how to properly organize meals so everything is ready at the same time. Preparing cultural foods are also part of this class.

*ProStart Culinary 1* 1 Year
S1 #160521   S2 #160522

Prerequisite: none. Class is open to grades 10-12.

Course Description:

The course will: Present intermediate information needed for obtaining food service and tourism jobs such as: kitchen manager/supervisor, dining room manager, event planner, food supplier as well as train the student in the fundamentals of cooking.

This class will: Include food preparation such as: breakfast foods, sandwiches, salads, garnishes, desserts and baked goods, operation of a restaurant, and menu planning. The student will also complete the first year of a restaurant management program recognized nationally by the National Restaurant Association.

Students in this class may be selected to participate on the ProStart Culinary Team.

**ProStart Culinary 2** 1 Year
S1 #160523  S2 #160524

Prerequisite: ProStart Culinary 1. Class is open to grades 11-12

Course Description:

This course will present intermediate information needed for obtaining food service and tourism jobs such as: kitchen manager, event planner, food supplier as well as acquaint the student in the lodging and tourism industry. The class will include food preparation such as: baked products, cakes, pastries, pies, cookies, chocolate, fruit desserts and tortes, cooking meat, poultry and seafood, preparing stocks, soups and sauces.

The students will complete the second year of the program and earn the National Restaurant Association completion certificate.

Students in this class may be selected to participate on the ProStart Culinary Team.
Human Behavior Pathway
Required for Human Resources ACE
3.5 credits

<table>
<thead>
<tr>
<th>Courses: (Choice any combination)</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>General Psychology / IB Psychology 1, 2</td>
<td>1.0</td>
<td>11-12</td>
</tr>
<tr>
<td>Sociology</td>
<td>1.0</td>
<td>12</td>
</tr>
<tr>
<td>Electives:</td>
<td>1.5</td>
<td>10-12</td>
</tr>
</tbody>
</table>

**Qualifying Electives**: Economics, Social Justice, Peer Helper, Leadership, AP Government, IB Theory of Knowledge, any Family Studies Course

**General Psychology**
1 Year
#042540 (year) S1 #042541 S2 # 042542
Prerequisite: none
Class is open to grade 11-12
This course is a junior level course for students in the Human Resources Pathway. It will introduce students to the study of psychology.
The student will investigate the complexity of the human mind and explore human behavior. Topics of study will include the biological basis of behavior, the scientific nature of psychology, and a consideration of ethics as it relates to research involving humans. There will be units on the learning process, memory, motivation and emotion. In addition, the class will cover cognitive and personality development throughout stages of life.

**IB Psychology 1**
1 Year
Year #042570 S1 #042571 S2 #042572
Prerequisite: none
Class is open to grade 11 and 12
This IB course will promote a greater understanding and appreciation for the psychological diversity of human beings. It will examine human behavior through three psychological lenses: biological (with a focus on the brain, genes, hormones, and neurotransmitters), sociocultural (with a focus on group behavior, social learning, and cultural norms), and cognitive (with a focus on decision making, memory, and perception). In addition, the course will introduce research methodology in the field of Psychology.
The student will be required to demonstrate an ability to think critically about the causes and effects of human behavior. Through interactive lectures, topical discussions, applications of learning, and journaling, students will develop an enhanced awareness of why we do what we do, think what we think, and feel like we feel.

**IB Psychology 2**
1 Year
Year #042579 S1 # 042573 S2# 042574
Prerequisite: IB Psychology 1
Class is open to grade 12
This IB course will reexamine essential psychological lenses covered in IB Psychology 1: biological, sociocultural, and cognitive. Specifically, the course will examine abnormal behavior and human relationships through these lenses. In addition, this course will further the study of research methodology with a focus on research creation.
The student will be required to demonstrate an ability to think critically about the causes and effects of human behavior. Through interactive lectures, topical discussions, applications of learning, and journaling, students will develop an enhanced awareness of why we do what we do, think what we think, and feel like we feel.

**Sociology**
1 Year
Year #042580 S1 #042581 S2# 042582
Prerequisite: none. Class is open to grade 12.
Course Description:
The course will: Introduce students to sociology. Sociology is the study of human society. It focuses on human relationships between people and examines how behavior is affected by social and cultural factors. This course provides an introduction to key sociological perspectives, concepts, and terminology. The class focuses primarily on American society and topics of study including the American value system, bullying and school violence, social class and poverty, and America’s war on drugs.
The student will: Need to be interested in a more in-depth class focusing on the psychological and sociological factors influencing 20th Century issues and the changing human condition.
Industry and Engineering Pathway
Required for Industry and Engineering ACE
3 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Industrial and Engineering Systems 1 (2-period block)</td>
<td>2.0</td>
<td>11 or 12</td>
</tr>
<tr>
<td>Industrial and Engineering Systems 2 (1-period)</td>
<td>1.0</td>
<td>12</td>
</tr>
</tbody>
</table>

**Recommended:** Car Care, Small Gas Engines, Metals Tech & Advanced Metals Tech, Basic Woods, Advanced Woods, Intro to Drafting, Advanced Drafting, Physics, IB Precalculus and above.

**Other requirements:** Skills checklist completed, senior project, major report and presentation.

**Industrial & Engineering Systems 1**

1 Year

**Year #210030**

**Prerequisite:** None. Highly recommended: Biology, passed Algebra 1, 3 semesters of science; 1 semester of Computer Tech or tested competency; 2 semesters of any Ind/Tech courses. Class is open to grades 11 and 12.

**Course Description:**

The course will: Be a 2 period block class. The science and industrial technology portions will be primarily developed around activities involving large group, small group and individual projects, and career exploration. The course will focus on technology incorporated with science and math. Most of the activities are hands on projects that the students will design, plan, construct and finally test or use. Those students going on to post high school education in engineering should also take Physics, and high level math and language art courses.

The student will: Design and build various models and vehicles, and devices to explore industry technology, and do career exploration. The second semester will be spent by teams designing, building, and racing one person electric vehicles. There will be a number of activities and field trips out of the classroom; most of these will be outside of regular class time. All students will be taught a basic core level of technology, physics, and job readiness skills. Research outside of the class may be required.

**Credits:** The students will earn 2 credits for this course: .5 science credit, 1.5 elective credit.

**Industrial & Engineering Systems 2**

1 Year

**Year #210039**

**Prerequisite:** Ind/Engineering Systems I with “C” or better or instructor approval. Class is open to grade 12

**Course Description:**

The course will: Take a hands-on approach involving large groups, small groups, individual projects, and career exploration. The course will focus on industrial technology incorporated with and math. The class consists of “hands-on projects” that student design, plan, construct and finally test or use. Emphasis is placed upon problem solving, keeping an accurate daily journal, design, sketches and finished drawings working as a team member and individually on various projects.

The students will: Design and build another one person electric vehicle the first semester and then design and develop a senior project based on a field of industry. These projects could cover all areas of industrial technology. For example, they could develop a full sized electric vehicle conversion project, build a trailer, make “metal art”, or do auto body work. There will also be other class projects throughout the year. Students may experience extensive carrier exploration such as apprenticeships in areas of interest. Research outside of class may be required. Students will earn 2.0 elective credit.

**Career Path opportunities and aspects of the Industrial & Engineering Systems 1 and Industrial & Engineering Systems 2 courses:**

**In general:** In this course we work constantly with industry standard equipment like lathes, milling machines, welders, measuring devices, CMC plasma cutters, etc. Through this class students learn a wide variety of metal working/engineering related skills and knowledge as well as teamwork and leadership skills required for success in every career.

**Engineering:** With further education and licensure there are many types of Engineering that students gain an extremely valuable background for. Students are constantly doing engineering without the college engineering education or high Mathematics as they design a device/product, build it from the ground up, test the device, then modify and retest it.

**Fabrication:** The following careers can be pursued with the skills and knowledge gained in this course or with additional training by apprenticeship, further technical education and earned certifications or degrees: Welder, machinist, sheet metal workers, fabrication worker, ironworker, boilermaker, etc.
Multimedia Arts Pathway
Required for Multimedia Arts ACE
3 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credit</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Multimedia Arts</td>
<td>.5</td>
<td>11-12</td>
</tr>
<tr>
<td>Multimedia Studio</td>
<td>1.5</td>
<td>11-12</td>
</tr>
<tr>
<td>Electives</td>
<td>1.0</td>
<td>11-12</td>
</tr>
</tbody>
</table>

Recommended: Graphic Design, Digital Photography, Video Game Design, Advanced Video Game Design, Web Design, Multimedia Independent Study

Multimedia Arts
1 Semester
S1 #110553  S2 #110554
Prerequisite: none
This course will examine both the creative process and the technology used in multimedia video projects combining film, audio, graphic design, and animation. Using a variety of hardware and software, students will create pre-production plans, study direction, cinematography, editing, animation, special effects, and post-production techniques. Students will maximize and direct the impact of their productions for particular audiences. This program provides a pathway toward high paying careers in the movie, TV, videography, animation, and game development industries. Students will use computer skills that transfer to almost any career in the 21st century. This course was previously called Motion Graphics.

Multimedia Studio
1 Semester
S1 #051683  S2 #051684
Prerequisite: Multimedia Arts
Class open to grades: 9-12
Multimedia Studio is the advanced class for students who have taken Multimedia Arts.
This course may be repeated for credit as students advance their skills toward either industry certification in Adobe Premier Pro or LCC College Now Credit for Computer Animation. All advanced students will submit films to youth festivals and provide video support for WHS community projects in sports, drama, music, and other special events at school. Students will explore their pathways toward careers in the movie, TV, videography, animation, and game development industries.
Performing Arts Pathway
Required for Performing Arts ACE
4 credits

<table>
<thead>
<tr>
<th>Courses</th>
<th>Credits</th>
<th>Grade</th>
</tr>
</thead>
<tbody>
<tr>
<td>Topnotchers or Jazz Ensemble</td>
<td>1.0</td>
<td>9-12</td>
</tr>
<tr>
<td>IB Theatre 1</td>
<td>1.0</td>
<td>11-12</td>
</tr>
<tr>
<td>IB Theatre 2</td>
<td>1.0</td>
<td>11-12</td>
</tr>
<tr>
<td>Electives:</td>
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<td>9-12</td>
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</tbody>
</table>

Electives: Concert Choir, Concert Band, Symphonic Band/Wind Ensemble, Mixed Ensemble, Women's Ensemble, Beginning Drama, Advanced Drama,

Topnotchers
1 Year
S1 #051111  S2 #051112
Prerequisite: Must pass multiple auditions with instructor. Must be con-currently enrolled in Concert Choir.
The course will: provide an advanced chamber ensemble environment for students who pass through the audition process. All performances are mandatory, and special uniform dress is required.
The student will: perform a range of a cappella repertoire while adhering to high standards of vocal technique, musicianship, and dedication. Intensively study varied SATB literature and refine musicianship skills. They will represent WHS at festivals, competitions, and community events and work with clinicians and guest conductors.

Jazz Ensemble
1 Year
S1 #051051-(section 2)  S2 #051052-(section 2)
Prerequisite: enrollment in Concert Band, Symphonic Band or Wind Ensemble. Instructor consent and audition required.
Class is open to grades 9-12
Note: Jazz Ensemble is an early bird class beginning at 7:00 a.m. This course meets 5 days per week for 1 credit and will receive a letter grade.
The course will cover major styles of big band jazz, including, swing, blues, shuffle, Latin, and improvisation.
The student will learn jazz articulations, blues scales, solo improvisation, ensemble and sectional rehearsal techniques. Jazz Ensemble 2 performs at concerts, and jazz festivals. Performances are required.

IB Theatre 1
1 Year
Year #050530
Prerequisite: two sem. Drama, instructor approval or be a full IB diploma student
Class is open to grades 11 and 12
This course leads students in a rigorous investigation of the nature of theatre. Throughout the year, students will investigate both traditional as well as alternative forms of theatre, viewing them culturally as well as stylistically, while engaging in both the practical and the theoretical.
The student will learn to understand the composite nature of theatre. Students will develop an appreciation of theatre by studying it with their minds and with their senses, with their bodies and with their emotions. There are four major assessments or tasks: Collaborative Project, Solo Theatre Piece, Director's Notebook and Research Presentation. Some of these tasks do require some semblance of performing. Students who pass this class will receive a weighted grade for this course.

IB Theatre 2
1 Year
S1 #050533, S2 #050534
Prerequisite: IB Theatre 1
Class is open to grade 12
This course will be a continuation of IB Theatre 1 and will further the investigation of the nature of theatre. Throughout the year, students will investigate both traditional as well as alternative forms of theater, viewing them culturally as well as stylistically, while engaging in both the practical and the theoretical.
The student will learn to understand the composite nature of theatre. Students will develop an appreciation of theatre by studying it with their minds and with their senses, with their bodies and with their emotions. There are four major assessments or tasks: Collaborative Project, Solo Theatre Piece, Director's Notebook and Research Presentation. Some of these tasks do require some semblance of performing. Students who pass this class will receive a weighted grade for this course.
Athletics and Activities

Willamette High School offers a comprehensive athletic and activity program. It is our belief that involvement in these activities complements a student's academic program. We expect students to become actively involved in one or more activities during the school year as it is our perspective that this involvement will contribute to enhanced physical growth and development, develop new peer relationships, assist in responsible social behavior, and help make the student feel a part of the Willamette “family”.

ATHLETICS: Willamette's athletic program is coordinated by Barry Bokn, Athletic Director. We offer many levels of athletic participation (Varsity, JV and Freshmen) in many of our programs. The different sports offered by season are as follows:

Fall Sports:
- Football (Varsity, JV, Freshman) - boys
- Volleyball (Varsity, JV, Freshman) - girls
- Soccer (Varsity, JV) - boys, girls
- Cross Country (Varsity, JV) – boys, girls
- Cheerleaders (Varsity, JV)
- Water Polo
- Dance Team

Winter Sports:
- Basketball (Varsity, JV, Freshman) - boys, girls
- Wrestling (Varsity, JV) – boys, girls
- Swimming (Varsity, JV) - boys, girls
- Cheerleaders (Varsity, JV)
- Dance Team

Spring Sports:
- Baseball (Varsity, JV, Freshman) - boys
- Softball (Varsity, JV) - girls
- Golf (Varsity) - boys, girls
- Track (Varsity, JV) - boys, girls
- Tennis (Varsity) - boys, girls

ACTIVITIES: In addition to the above-mentioned sports, a variety of club activities are available to the student body. The following clubs are offered: Marching Band, Choir, Yearbook, Future Business Leaders of America, DECA, Flag Team, Thespians, Equestrian Club, Bowling Club, Forensics, National Honor Society, German Club, Electrathon Race Team, Guitar Club, Latino Unidos, Wolverine Pageant, Pep Band, Student Government, Gay-Straight Alliance, Chess Club, Drama Club, International Club, Transition Crew, Art Club.

Athletic Eligibility Requirements

Willamette High School students must meet the following requirements to be eligible for athletics:

* The student must have passed at least FIVE classes the previous semester to be eligible. Freshmen are excluded from this standard (first semester only).
* The student must be enrolled in AND PASSING at least 6 credit classes each semester to graduate with 24 credits. Student-athletes will be required to be showing proficiency (be passing) all classes at the 6 and 12 week grade checks each semester to maintain their eligibility. Students who fall below this expectation will be given one week to meet this standard and keep their eligibility.
* The student must be on track to graduate ON TIME, earning at least 6 credits as a freshman, 12 credits by the end of the sophomore year, and 18 credits by the end of the junior year.
* The student must turn in the Athletic Packet to the Accounting Office BEFORE being considered eligible to begin practice each season. All outstanding fees and debts must be cleared before beginning to practice.

Athletic Participation Fee: (includes ASB validation) $185 for first sport, $150 for second sport, and 3rd sport free. Financial aid is available for students who qualify for free/reduced lunches as follows: Financial Aid is available for students who qualify for free/reduced lunches as follows: Pay $50 + $35 ASB Sticker Fee and agree to work 5 hours (must be completed by mid-season to be in good standing). Work tasks include assisting custodians and working at school contests and/or functions. The student will contact the Athletic Director to schedule these work opportunities.

NOTE: These costs were accurate at the time of printing but are subject to change.

REQUIREMENTS FOR PARTICIPATION IN ATHLETICS AT THE NCAA DIVISION LEVEL 1 OR 2 TO BE CERTIFIED BY THE NCAA CLEARINGHOUSE, YOU MUST:

You should apply for certification after your junior year in high school if you are sure you wish to participate in intercollegiate athletics as a freshman at a Division I or II institution. The Clearinghouse will issue a preliminary certification report after you have had all your materials submitted (official six-semester transcript, ACT or SAT scores, student release form, and fee). After you graduate, if your eligibility status is requested by a member institution, the Clearinghouse will review your final transcript and proof of graduation to make a final certification decision according to NCAA standards. Students can register online at www.ncaa.org
## Business Education

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
<th>Credit</th>
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<tr>
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<td>.5</td>
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<tr>
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<tr>
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<tr>
<td>Senior Business Lab 2</td>
<td>Senior Business Lab 1</td>
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<td>.5 - 1</td>
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</table>

**Accounting 1 (semester 1) 1 Semester**

*#121041*  
**Prerequisite:** none. Class open to grades 10-12.

**The course will:** introduce the student to the theory and practices of financial record keeping used currently in today’s business world.

**The student will:** prepare financial statements and reports which include balance sheets and income statements, maintain and reconcile checking accounts, and learn how to analyze and record transactions.  
**Students who complete both Accounting 1 and Accounting 2 with a grade of B or better are eligible to earn 4 college credits through Lane Community College.**

**Accounting 2 (semester 2) 1 Semester**

*#121042*  
**Prerequisite:** Accounting 1. Class open to grades 10-12.

**The course will:** apply principles and procedures learned in Accounting 1 to create business records and reports.

**The student will:** complete an accounting simulation where they are actually in control of the financial transactions and record keeping for a business. **Students who complete both Accounting I and Accounting II with a grade of B or better are eligible to earn 4 college credits through Lane Community College.**
**Adv. Computer Technology**  1 Year  
S1 #120051  S2 #120052  
Prerequisite: a grade of C or better in Computer Tech or instructor approval.  Students must be familiar with MS Office and able to type a min. of 25 words per minute.  
Open either semester, grades 9-12.  
Semester 1-Word and Excel  
Semester 2-PowerPoint and Publisher  
**The course will** teach students to create **Word** documents with tables, charts, and watermarks.  Students will also generate form letters, mailing labels, and envelopes as well as, create a professional newsletter, cover letter, and resume.  In **Excel**, students will create spreadsheets with borders, assign and refer to cell references, use financial formulas, and analyze worksheets.  While working with **PowerPoint**, students will create presentations with pictures, tables, and charts, add animation, sound effects and hyperlinks, and format text and apply transitions.  With **Publisher**, students will create a newsletter, a tri-fold brochure, letterhead, business cards, business forms and tables, and a basic website.  
**The student will** complete this class with advanced MS Office skills and be prepared for an entry-level office position or the rigorous demands of college reports and projects.  
College Now credits are available with a grade of B or better.  
Word = 3 credits  
Excel = 4 credits  
PowerPoint = 3 credits

**Computer Technology**  1 Semester  
#120050  
Prerequisite: none  
The **course will** introduce the computer keyboard to the student as well as teaching them about directories, files, folders, and various applications of MS Word, PowerPoint, and Excel.  Students may earn 3 college credits with a grade of B or better.  
The **student will** complete this class with a foundation of touch-typing and basic formatting skills.

**Personal Finance**  1 Semester  
#222100  
Prerequisite: none. Class required for 12th graders.  
This course will cover graduation requirements by allowing students to apply what they have learned as well as to demonstrate they have the skills and abilities necessary to be successful in their pursuit of a career or advanced education.  
The **student will** learn how to make wise consumer decisions; budgeting; checking and savings accounts; automobile purchasing; insurance; purchasing on credit; consumer rights and responsibilities; career exploration; housing options; individual state and federal income tax form completion; investment options; history and use of labor unions and buyer beware issues including fraud and various other consumer education material.  
Students may earn 4 college credits with a B or better

**Introduction to Business**  1 Year  
S1 #120521  S2 #120522  
Prerequisite: none  
Class open to grade 10-12.  
The **student will** examine the fundamentals of team building and communication within the business environment while learning topics related to economics, ethics & social responsibility, business organizations, management & teamwork, human resources, marketing, and accounting & finance. In addition, students will focus on building effective teams, managing team conflict, and taking advantage of team diversity. Most projects are team based.

**Senior Business Lab 1**  Semester or Year  
Year #120010  
Prerequisite: Instructor approval required. Class open to grades 11-12.  
The **course will** give students the opportunity to work as a manager in the school store.  
The **student will** be involved in all aspects of running a small retail store including ordering and inventory control, training and managing employees, cash proof and deposits, advertising, product decisions, and store set up.

**Senior Business Lab 2**  Semester or Year  
S1 #120013  S2 #120014  
Prerequisite: Senior Business Lab 1  
The **course will** give seniors a chance to deepen their retail, managerial, and customer service skills in the school based enterprise.

* A class which earns college prep credit  
** This class earns college credit at LCC
Early Childhood Education

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
<th>Credit</th>
</tr>
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<tr>
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<td>10-12</td>
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<td>.5</td>
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<tr>
<td>Creative Activities for Young Children 2</td>
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<td>10-12</td>
<td>no</td>
<td>.5</td>
</tr>
<tr>
<td>Infant Toddler Experience 1</td>
<td>Creative Activities for Young Children 1 &amp; 2 and instructor approval</td>
<td>10-12</td>
<td>no</td>
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<tr>
<td>Preschool Experience 1</td>
<td>Creative Activities for Young Children 1 &amp; 2 and instructor approval</td>
<td>10-12</td>
<td>no</td>
<td>.5</td>
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<td>Infant Toddler/Preschool Experience 2</td>
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<td>10-12</td>
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<tr>
<td>Elementary Experience</td>
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<td>10-12</td>
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<tr>
<td>Middle School Experience</td>
<td>Creative Activities for Young Children 1 &amp; 2 and instructor approval</td>
<td>10-12</td>
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<td>.5</td>
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</tbody>
</table>

**Creative Activities for Young Children 1 Semester**

S1 #190521

Prerequisite: None. Class is open to grades 10-12.

The course will introduce students to creative activities for preschool children. The students will explore art, literature, and storytelling activities suitable for preschool children. In addition, students will gain introductory knowledge of child development and positive child guidance strategies. Students will also have time to observe and interact directly with the children and staff at Willamette’s Little Wolverine Preschool. Students will have the opportunity to earn college credits through LCC with the College Now Program.

**Infant Toddler Experience 1 Semester**

#190513

Prerequisite: Creative Activities for Young Children 1 & 2 and instructor approval.

The course provides 2nd year ECE students the opportunity to work in Willamette’s Infant Toddler Center. The student will also complete independent coursework to gain a better understanding of the field of early childhood education. Students will also continue the study and practice of positive child guidance strategies with the support of Willamette’s Infant Toddler Center teachers. Students will have the opportunity to earn college credits through LCC with the College Now Program.

**Creative Activities for Young Children 2 Semester**

S2 #190522

Prerequisite: None. Class is open to grades 10-12.

This course is a continuation of Creative Activities for Young Children 1. New students are welcome. Students will explore music, games, finger-plays, dramatic play, dance, blocks, and cooking activities suitable for preschool children. Students will continue to observe and interact with the children and staff at Willamette’s Little Wolverine Preschool as well as expand their understanding of child development and positive child guidance strategies. Students will have the opportunity to earn college credits through LCC with the College Now Program.
Preschool Experience 1  Semester  
S1 #190515  S2 #190516  
Prerequisite: Creative Activities for Young Children 1 & 2 and instructor approval.

The course provides 2nd year ECE students the opportunity to work in Willamette’s Little Wolverine Preschool. The student will also complete independent coursework to gain a better understanding of the field of early childhood education. Students will also continue the study and practice of positive child guidance strategies with the support of Willamette’s Little Wolverine Preschool teachers. Students will have the opportunity to earn college credits through LCC with the College Now Program.

Infant Toddler/Preschool Experience 2  Semester or Year  
#190514  
Prerequisite: Creative Activities for Young Children 1 & 2, Infant Toddler & Preschool Experience 1, and instructor approval.

The course is an extension of Preschool and Infant Toddler Experience 1. Eligible 3rd year ECE students will work, with the support of staff members, in both the Willamette Infant Toddler Center and the Little Wolverine Preschool. The student will also complete independent coursework to gain further understanding of the field of early childhood education.

Elementary Experience  Semester or Year  
S1 #190517  S2 #190518  
Prerequisite: Creative Activities for Young Children 1 & 2 and instructor approval.

This course will give eligible students hands-on experience working with elementary school students and a host teacher. The student will complete journal reflections, observations, and additional course work to support their understanding of elementary school education. Students will also assist their host teacher with classroom duties and support student learning.

Middle School Experience  Semester or Year  
S1 #190519  S2 #190510  
Prerequisite: Creative Activities for Young Children 1 & 2 and instructor approval.

This course will give eligible students hands-on experience working with elementary school students and a host teacher. The student will complete journal reflections, observations, and additional course work to support their understanding of middle school education. Students will also assist their host teacher with classroom duties and support student learning.

Early Childhood Education

* A class which earns college prep credit  ** This class earns college credit at LCC
English Language Development

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
<th>Credit</th>
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<tbody>
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<td>English Language Development</td>
<td>ESOL instructor consent</td>
<td>9-12</td>
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<tr>
<td>ELD Tutor</td>
<td>ESOL  instructor consent; must be bilingual</td>
<td>10-12</td>
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<tr>
<td>English (Sheltered)</td>
<td>ESOL instructor consent</td>
<td>9-12</td>
<td>yes</td>
<td>.5 - 1.0</td>
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</table>

Courses in the English Language Development (ELD) program are designed for Englishlanguage learners. All courses are taught in English. Spanish bilingual assistance is available. Advanced Spanish is encouraged for Spanish speaking English language learners (ELLs). Eligible students are tested and placed by the ESOL teacher.

**ELD 1 Year**

| Level 1 #010083A | Level 1 #010084A |
| Level 2 #010083B | Level 2 #010084B |
| Level 3 #010083C | Level 3 #010084C |
| Level 4 #010083D | Level 4 #010084D |

**Prerequisite:** Testing and placement by the ESOL teacher. Classes are open to ELLs in grades 9 –12.

**This course will:** focus on listening, speaking, reading comprehension and writing skills, as well as, U.S. literature and culture. Attention is paid to grammatical structures, language functions and the use of English in school and real world situations.

**ELD Tutor 1 Semester**

| S1 #229955   | S2 #229956 |

**Prerequisite:** ELD teacher consent and instructor permission. Must be bilingual. Class is open to grades 10-12. Student may begin as a tutor either semester.

**This course will:** provide students opportunities to apply bilingual skills in assisting instructors in various subjects.

**Sheltered English 1 1 Year**

| S1 #010081A | S2 #010082A |

**Prerequisite:** Limited to students in the English Language Development Program.

**This course:** is a language arts class for intermediate level English learners, stresses the ongoing development of reading and writing skills.

**Students will:** continue to develop strategies for understanding English in personal, social, and academic contexts. Writing assignments include single and multi-paragraph compositions. Students will read a variety of novels and short stories that are adapted for English learners.

**English Language Development/Sheltered Classes**

* **A class which earns college prep credit**  **This class earns college credit at LCC**
**Food Service, Baking & Tourism**

**1 Semester**

S1 & S2 #160532

**Prerequisite:** none. Class open to grades 9-12.

**The course will** present basic information needed for obtaining food service and tourism jobs such as baker, hostess, waiter/waitress.

**The student will** learn to use basic equipment and prepare simple foods as they are done in restaurants. The student will bake different foods such as pies, cookies, cinnamon rolls, and pizza. Students in this class may be selected to participate on the WHS culinary team.

**Foods Assistant**

**Semester or Year**

S1 #222451  S2 #222452

**Prerequisite:** Instructor approval. Class open to grades 10-12. Open both semesters.

**The course will** provide the student an opportunity to develop grocery skills, food preparation, organizational tasks related with food preparation and clean-up/sanitation skills related to the restaurant business. They may also learn food preparation skills necessary to meet USDA guidelines for infants and toddlers.

**Meals**

**1 Semester**

S1 & S2 #222020

**Prerequisite:** none. Class open to grades 9-12.

**The course will** teach baking skills & food preparation ideas for independent living.

**The student will** prepare main dishes, salads, and breads. Pies, cakes, candies & other baked goods will be part of food labs. Students prepare meals, learn time saving techniques, and how to properly organize meals so everything is ready at the same time. Preparing cultural foods are also part of this class.

**ProStart Culinary 1**

**1 Year**

Year #160520

**Prerequisite:** none. Class open to grades 10-12.

**The course will** present intermediate information needed for obtaining food service and tourism jobs such as: kitchen manager/supervisor, dining room manager, event planner, food supplier as well as train the student in the fundamentals of cooking.

**This class will** include food preparation such as: breakfast foods, sandwiches, salads, garnishes, desserts and baked goods, operation of a restaurant, and menu planning. Students will complete a first year restaurant management program recognized nationally by the National Restaurant Association.

Students may be selected for the ProStart Culinary Team.

**ProStart Culinary 2**

**1 Year**

Year #160525

**Prerequisite:** ProStart Culinary 1. Class is open to grades 11-12

**This course will** present intermediate information needed for obtaining food service and tourism jobs such as: kitchen manager, event planner, food supplier as well as acquaint the student in the lodging and tourism industry.

The class will include food preparation such as: baked products, cakes, pastries, pies, cookies, chocolate, fruit desserts and tortes, cooking meat and poultry, preparing stocks, soups and sauces.

**The students will** complete the second year of the program and may qualify to earn the National Restaurant Association completion certificate.

Students in this class may be selected to participate on the ProStart Culinary Team.

* A class which earns college prep credit  ** This class earns college credit at LCC
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
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* A class which earns college prep credit  ** This class earns college credit at LCC
**Advanced Digital Art Studio 1 & 2**  1 Year  
Year #111530  
Prerequisite: Graphic Design and Digital Photography  
This class earns college credit at LCC  
This class can be repeated for credit  
Class open to grades 9 - 12  
This advanced level course will serve students interested in deepening their understanding of the professional field of design and photography. Coursework will primarily be design work for real clients within the district and community.  
Students will interact and work with clients, creating design and photography pieces that will be professionally produced. Students will learn how to follow a project from client meeting to finished piece, and respond appropriately to the needs of the client and the constraints of the project and budget. Students will expand their technical skills using Adobe Photoshop, Illustrator and InDesign, giving them a solid foundation for pursuing a future in design and photography in higher education or a career in the visual arts field. Students will finish this course with a resume and portfolio of work.

**Adv. Studies in the Visual Arts**  1 Year  
S1 #052015  S2 #052016  
Prerequisite: none  
Class open to grade 11 & 12. Required for Arts & Communications ACE.  
The course will: focus on art careers while developing a portfolio of art samples. This class will emphasize real world learning in the Arts and Communications fields.  
Students will: individually engage in some form of structured work experience and will plan, develop, and present a project related to a particular interest or specialization in the Arts and/or Communications, during the second semester.  
The student will prepare a portfolio of artwork and develop a binder of written artifacts including a resume and cover letter specific to careers in the arts. This class earns college credit at LCC.

**Advanced Video Game Design**  1 Semester  
S1 #101523  S2 #015242  
Prerequisite: Video Game Design  
Open to grades 9-12  
This course will act as an introduction to 3D game development, covering everything needed to take a game from concept to complete. With a wide range of topics, the course will provide opportunities for students to discover passions towards technology in ways that resonate with their interests.  
Students will program in C# language and use object-oriented programming concepts, 3D modeling, image manipulation, and design concepts that translate to other fields. This course will provide a pathway toward high paying careers in the game design and programming industries.

**Ceramics 1**  1 Semester  
S1 & S2 #051590  
Prerequisite: none  
Class open to grades 9-12. Open either semester.  
The course will: provide students with an introduction to ceramics and sculpture. An historical overview of the history of ceramics is presented as part of each major lesson. Ceramics lessons include the following: pinch pots, coil technique, slab construction, and potters wheel.  
Students will: create functional ceramic wares such as cups, vases, and bowls. Students will also create decorative pieces such as masks and plaques.

**Ceramics 2**  1 Semester  
S1 & S2 #051592  
Prerequisite: Ceramics/Sculpture 1. Class open to grades 9-12. $5.00 fee for large projects. Open second semester. Can be repeated for credit.  
This course will: allow students to expand upon skills learned in Ceramics 1 and pursue their interest in pottery and sculpture. Emphasis will be on larger, more complex projects that entail more advanced skills, craftsmanship and attention to detail. The pottery wheel will also be a focus of the class. Art history will be incorporated through the use of famous art masters as exemplars for units.  
Students will: demonstrate advanced skills as they challenge themselves with larger, more complex projects. Students will have the opportunity to work independently as well as in groups. The class teaches patience, creative development, tactile skills building and problem solving. Class participation is an essential part of this course. This class is eligible to earn college credit at LCC.

**Design 1**  1 Semester  
S1 & S2 #051540  
Prerequisite: none. Class open to grades 9-12.  
The course will: provide students an overview of the basics of art history, appreciation and production. The focus of Design 1 will be on the elements and principles of design that are a part of every visual art form. These elements include line, shape, texture, form, color, value and space. Principles of design include symmetry, asymmetry, balance, repetition, rhythm, contrast, emphasis, movement, and variety. These elements and principles will be explored using a variety of media. Art history will be incorporated through the use of famous art masters as exemplars for units.  
The student will: participate in class critiques and discussions about their art. This is a process and goal orientated class with an emphasis on personal creativity and skill development. This class teaches patience, creative development, tactile skill building and problem solving. Students will be evaluated on an individual basis as they demonstrate new skills and understanding of design elements. Class participation is an essential part of this course. Quizzes and written assignments will also be used to evaluate student understanding.

**Design 2**  1 Semester  
S1 & S2 #051550  
Prerequisite: Successfully completed Design 1. Class open to grades 9-12.  
Open any semester the class is offered. $5 fee possible for special projects. Example, large painting or use of special equipment.  
The course will: expand upon the skills learned in Design 1. The elements and principles of design will still be emphasized along with art history. Using a variety of media, students will complete assignments, and discussions. Various cultures will be covered in addition to famous artists.  
The student will: participate in class
critiques and discussions about their art. Advanced students will be expected to demonstrate advanced craftsmanship and control of media. This is a process and goal oriented class with an emphasis on personal creativity and skill development. This class teaches patience, creative development, tactile skill building and problem solving. Students will be evaluated on an individual basis as they demonstrate new skills and understanding of design elements. Class participation is an essential part of this course. Quizzes and written assignments will also be used to evaluate student understanding. This class is eligible to earn college credit at LCC.

**Digital Photography**  1 Semester

#051670

Prerequisite: None

Class open to grades 9 - 12

This course will provide an overview of the art and history of photography. In this class, students will examine how photography shapes the way we view events, places and people. Photographic processes, composition techniques, and the career of photography will also be explored. Students will use the basic elements and principles of design in their photographic compositions. Students will examine and critique the work of photographers throughout history. Students will understand and use basic photographic terms such as F-stops and depth of field. Using digital cameras, computers and industry standard software such as Adobe Photoshop, students will operate hardware and software to maximize the visual impact of their photography.

**Foundation in the Visual Arts**  1 Year

Year #052010

Prerequisite: none

Class is open to grade 11.

Required for Arts & Communication ACE.

This course will provide students with the opportunity to focus their study on art principles, history, social impact and applications.

Students will study art history, movements, including The Renaissance, The Impressionist movement, early 20th century art, and modern approaches to artistic expression. They will examine art’s impact on society. And they will explore art’s ability to express cultures and communicate messages within communities. Each of these emphases includes the development of art appreciation and the ability to identify aesthetic qualities.

**Graphic Design**  1 Semester

#051620

Prerequisite: None

Class open to grades 9 - 12

This course will provide an overview of the many ways we communicate with design. Instruction will focus on design techniques using the elements and principles of design. This course will also introduce students to industry standard hardware, software, and the profession of design.

Students will examine the design industry and understand how it impacts the way we make decisions, access information and communicate with each other. Students will also investigate how design reflects our cultural and societal values. Through project-based learning, students will develop design and technical skills using hardware and software used by professional graphic designers, such as Adobe Photoshop, Illustrator and InDesign.

**Multimedia Arts**

1 Semester

S1 #110553  S2 #110554

Prerequisite: none

This course will examine both the creative process and the technology used in multimedia video projects combining film, audio, graphic design, and animation. Using a variety of hardware and software, students will create pre-production plans, study direction, cinematography, editing, animation, special effects, and post production techniques.

Students will maximize and direct the impact of their productions for particular audiences. This program provides a pathway toward high paying careers in the movie, TV, videography, animation, and game development industries. Students will use computer skills that transfer to almost any career in the 21st century. This course was previously called Motion Graphics.

**Multimedia Studio**  1 Semester

S1 #051683  S2 #051684

Prerequisite: Multimedia Arts

Class open to grades: 9-12

Multimedia Studio is the advanced class for students who have taken Multimedia Arts.

This course may be repeated for credit as students advance their skills toward either industry certification in Final Cut Pro X or LCC College Now Credit for Computer Animation. All advanced students will submit films to youth festivals and provide video support for WHS community projects in sports, drama, music, and other special events at school.

Students will explore their pathways toward careers in the movie, TV, videography, animation, and game development industries.

**Video Game Design 1 & 2**  1 Semester

S1 #101521  S2 #101522

practice 21st century computer skills that apply to any career.

Prerequisite: none

Open to grade 9-12, this class can be repeated for credit

The course will be project-based. Students will design and build several different video games. Each game increases students design and coding abilities.

Students will develop coding concepts of sequencing, repetition, and conditions. Students evaluate their games using industry standard criteria. This course provides a pathway toward high-paying careers in the game design and computer programming industries. Students also practice 21st century computer skills that apply in any career.

**Web Design 1 & 2**  1 Semester

S1 #102011  S2 #102012

Prerequisite: none, this class can be repeated for credit

Class is open to grades 9-12

The students will build compelling, beautiful, and informative websites. Students will apply design principles like branding, color theory, alignment, and typography, and then design websites for a specific audience. Modern content management systems and template driven design tools are partnered with computer coding in HTML, HTML5, and CSS.

This course provides a pathway to high paying careers in the technology industry. Students will practice 21st century computer skills that apply to any career.
**DRAMA**

**Beginning Drama**  
1 Semester  
#050551

**Prerequisite:** None  
Class open to grades 9-12. Open either semester.  
**The course will** explore various aspects of drama, with emphasis on basic acting skills.  
**The student will** study stage terminology, play reading, theatre production, and acting fundamentals.

**Advanced Drama**  
1 Semester  
#050554  
**Prerequisite:** 2 sem. Beginning Drama (they don’t need to be consecutive)  
Class open to grades 10-12, open second semester. May be repeated for credit, with instructor consent.  
**The course will** be a continuation of Beginning Drama.  
**The student will** have increased directing and advanced production responsibilities including independent student productions.

**IB Theatre 1**  
1 Year  
Year #050530  
**Prerequisite:** two sem. Drama, instructor approval or be a full IB diploma student  
Class is open to grades 11 and 12  
**This course** leads students in a rigorous investigation of the nature of theatre. Throughout the year, students will investigate both traditional as well as alternative forms of theatre, viewing them culturally as well as stylistically, while engaging in both the practical and the theoretical.  
**The student will** learn to understand the composite nature of theatre. Students will develop an appreciation of theatre by studying it with their minds and with their senses, with their bodies and with their emotions. There are four major assessments or tasks: Collaborative Project, Solo Theatre Piece, Director's Notebook and Research Presentation. Some of these tasks do require some semblance of performing. Students who pass this class will receive a weighted grade for this course.

**IB Theatre 2**  
1 Year  
Year #050535  
**Prerequisite:** IB Theatre 1  
Class is open to grade 12  
**This course will** be a continuation of IB Theatre 1 and will further the investigation of the nature of theatre. Throughout the year, students will investigate both traditional as well as alternative forms of theater, viewing them culturally as well as stylistically, while engaging in both the practical and the theoretical.  
**The student will** learn to understand the composite nature of theatre. Students will develop an appreciation of theatre by studying it with their minds and with their senses, with their bodies and with their emotions. There are four major assessments or tasks: Collaborative Project, Solo Theatre Piece, Director's Notebook and Research Presentation. Some of these tasks do require some semblance of performing. Students who pass this class will receive a weighted grade for this course.

**MUSIC**

**Mixed Ensemble**  
1 Year  
Year #051103 S1 #051105 S2 #051106  
**Prerequisite:** None  
**The course will:** provide instruction in basic vocal technique and general musicianship to all students with an interest in singing. Grades are based on power standards which encompass daily rehearsal participation, sight-singing and written assessments, part and memory checks, and performances. All performances are mandatory, and special performance attire is required.  
**The student will:** focus on the skills of healthy vocal development, music theory and sight-singing concepts, and preparation for performances. Students will study and perform a variety of vocal music from various historical periods and cultures.

**Concert Band**  
1 Year  
Year #051020  
**Prerequisite:** open to any student with previous band instrument experience. All freshman band students enroll in Concert Band.  
**The course will** instruct the student in the fundamentals of musicianship, and performance. Several concerts are performed each year.  
**The student will** learn technique, scales, key signatures, and commitment to the band will be the focus of the school year. Attendance at performances is required.

**Concert Choir**  
1 Year  
Year #051490  
**Prerequisite:** Must pass audition with instructor.  
**The course will:** provide an advanced large ensemble experience for students who pass through the audition process. All performances are mandatory, and special uniform dress is required.  
**The student will** demonstrate a serious commitment to improved vocal musicianship and the WHS choral program. Students will preferably enter the course with a more advanced degree of proficiency in vocal technique, music theory, and sight-singing. Students will study and perform a variety of ensemble vocal music from various historical periods and cultures, and in various languages. This group will represent WHS at festivals and competitions and work with guest conductors.

**Jazz Ensemble 1 & 2**  
1 Year  
Year #051050  
**Prerequisite:** enrollment in Concert Band, Symphonic Band or Wind Ensemble. All students must audition in the spring and have Instructor consent. Class is open to grades 9-12  
**Note:** Jazz Ensemble 1 & 2 is an early bird class beginning at 7:00 a.m.  
**The course will** cover major styles of big band jazz, including, swing, blues, shuffle, Latin, and improvisation.  
**The student will** learn jazz articulations, blues scales, solo improvisation, ensemble and sectional rehearsal techniques. Jazz Ensemble performs at several concerts and events each year. Performances are required.

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* A class which earns college prep credit  ** This class earns college credit at LCC
Marching Band 1 Semester

Prerequisite: open to any student with experience playing in band OR dance experience for those interested in color guard. Audition may be required for instrumentation. Open semester 1 only. 1/2 credit, August – October.

The course will: teach musicianship, instrument and marching techniques, and dance. The ensemble will perform for home football games and competitions. Class meets Monday, Tuesday, Thursday from 3:45-6:45 after school. Students are expected to attend all performances.

Note: A marching band camp is required that runs for 2 weeks in the summer, starting 3 weeks before classes begin.

Symphonic Band 1 Year
S1 #051011 S2 #051012

Prerequisite: Instructor consent and/or audition required. Class is open to grades 9-12.

The course will: provide an intermediate level band experience for students with an interest in improving their instrument technique, sight reading skills, and overall musicianship. Focus on both traditional and contemporary concert band literature.

The student will: study standard concert band literature, music theory, instrument techniques, musical styles, and sight reading. This ensemble will travel to festivals, competitions, and work with guest conductors and specialists. Attendance at all performances is required.

Private lessons are highly recommended.

Topnotchers 1 Year

Prerequisite: Must pass multiple auditions with instructor. Must be con-currently enrolled in Concert Choir.

The course will: provide an advanced chamber ensemble environment for students who pass through the audition process. All performances are mandatory, and special uniform dress is required.

The student will: perform a range of a cappella repertoire while adhering to high standards of vocal technique, musicianship, and dedication. Intensive study of varied SATB literature and refinement of musicianship skills will be the focus. They will represent WHS at festivals, competitions, and community events and work with clinicians and guest conductors.

Women's Ensemble 1 Year

Prerequisite: Must pass audition with instructor.

The course will: provide an intermediate-level group for female students, with an interest in bettering their vocal technique and reading skills, who are selected by audition only. All performances are mandatory, and special performance attire is required.

The student will: study SA/SSA/SSAA repertoire, music theory principles, and sight-singing. Students will perform a variety of ensemble vocal music from various historical periods and cultures, and in various languages. This group will represent WHS at festivals and competitions and work with guest conductors.

Journalism

Yearbook 1 & 2 1 Year

Prerequisite: Instructor approval with application and recommendation (available from instructor)

This class can be repeated for credit.

Class open to grades 9 – 12. This is a 2 semester course, though ½ credit can be given for students joining only for 1 semester.

This course will focus on the production of a 224 page yearbook which represents the students and staff of Willamette High School. Yearbook staff members will work collaboratively to write, design and photograph a record of the events and experiences of the students and staff.

Students will learn how to write in the journalistic style, conduct interviews, take dynamic photographs, layout and design pages with varying content, properly operate computers and cameras, and work together as a collaborative team to ensure a high quality publication that represents WHS in a positive and accurate way. This course will prepare students to enter the industry of design, photography or journalism or higher education in these fields.

Wind Ensemble 1 Year

S1 #051023 S2 #051024

Prerequisite: Instructor consent

* A class which earns college prep credit  ** This class earns college credit at LCC
**Health Office Procedures**  | 1 Semester  
S2 #140013  
Prerequisite: Wellness  
Class open to grades 11-12.  
This course is one semester that focuses on principles of filing and records management, specifically for the medical facility. Both legal and ethical concerns of confidentiality and privacy will be discussed. Topics include fundamentals of client reception, appointment scheduling, telephone techniques, letter composition, and filing procedures.  
Students may earn LCC credit for successful completion (B or higher) of this course. This course is articulated with LCC for college credit. Students will have the opportunity to receive 3 credits at LCC following completion of the course.

**Medical Terminology**  | 1 Semester  
#141540  
Prerequisite: none  
Class open to grades 10-12. Students working toward a Health Services ACE are required to take this course. Students interested in health and human resource careers, and the business aspect of health care will benefit from this knowledge. Students are given the opportunity to meet some of the Career Related Learning Standards such as communication and career development. Students will have the opportunity to receive 3 College Now credits at LCC following completion of this course. Medical Terminology is required in the Health Information Technology, Medical Office Assisting, Respiratory Care and EMT programs at the college.  
The course will provide students the chance to integrate anatomy and physiology knowledge and enhance their medical research skills. Other classroom activities include group work and games, listening to audiotapes, reading and researching medical publications and internet sites.  
The student will learn how to spell, pronounce, define, identify word parts, and correctly use medical terms. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations and symbols are included in the content.  
Credit earned .5 elective.

**Skills for Healthy Living**  | 1 Semester  
#080510  
Prerequisite: none  
Class is required at grade 9.  
This course will help students explore basic health factors that contribute to mental, social, and physical well-being. More specifically students will focus on topics of risk and protective factors, body systems, human reproduction, and sexually transmitted infections. Students will also be able to develop the necessary skills for analyzing influences, making responsible decisions, communicating effectively, and setting goals.  
Students will conduct research that involves the use of books, supplemental material, computers, and the community. Learning activities will include multimedia lectures, both small and large group problem solving activities, discussion, reflective writing, textbook and reference reading.

**Wellness**  | 1 Semester  
#080513  
Prerequisite: none  
Class fulfills health credit for grade 10.  
This course is based on the philosophy that both prevention and rehabilitation are important to lifelong wellness. The course offers the opportunity to explore topics such as stress-management, disease prevention, nutrition, exercise, drugs, alcohol, and body systems.  
Students will participate in discussions, projects, multimedia lectures and textbook and reference reading.

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* A class which earns college prep credit  ** This class earns college credit at LCC
Hospitality & Tourism

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<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
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<td>ProStart Culinary 1</td>
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**Food Service, Baking & Tourism**

1 Semester

S1 & S2#160532

Prerequisite: none. Class open to grades 9-12.

The course will present basic information needed for obtaining food service and tourism jobs such as baker, hostess, waiter/waitress.

The student will learn to use basic equipment and prepare simple foods as they are done in restaurants. The student will bake different foods such as pies, cookies, cinnamon rolls, and pizza. Students in this class may be selected to participate on the WHS culinary team.

Foods Assistant Semester or Year

S1 #222451  S2 #222452

Prerequisite: Instructor consent. Class open to grades 10-12. Open both semesters.

The course will provide the student an opportunity to develop grocery skills, food preparation, organizational tasks related with food preparation and clean-up/sanitation skills related to the restaurant business. They may also learn food preparation skills necessary to meet USDA guidelines for infants and toddler meals.

Meals 1 Semester

S1 & S2 #222020

Prerequisite: none. Class open to grades 9-12.

The course will teach baking skills & food preparation ideas for independent living.

The student will prepare main dishes, salads, and breads. Pies, cakes, candies & other baked goods will be part of food labs. Students prepare meals, learn time saving techniques, and how to properly organize meals so everything is ready at the same time. Preparing cultural foods are also part of this class.

**ProStart Culinary 1**

1 Year

Year #160520

Prerequisite: none. Class open to grades 10-12.

The course will present intermediate information needed for obtaining food service and tourism jobs such as: kitchen manager/supervisor, dining room manager, event planner, food supplier as well as train the student in the fundamentals of cooking.

This class will include food preparation such as: breakfast foods, sandwiches, salads, garnishes, desserts and baked goods, operation of a restaurant, and menu planning. Students will complete a first year restaurant management program recognized nationally by the National Restaurant Association.

Students may be selected for the ProStart Culinary Team.

** ProStart Culinary 2**

1 Year

Year #160525

Prerequisite: ProStart Culinary 1. Class is open to grades 11-12

This course will present intermediate information needed for obtaining food service and tourism jobs such as: kitchen manager, event planner, food supplier as well as acquaint the student in the lodging and tourism industry. The class will include food preparation such as: baked products, cakes, pastries, pies, cookies, chocolate, fruit desserts and tortes, cooking meat and poultry, preparing stocks, soups and sauces.

The students will complete the second year of the program and may qualify to earn the National Restaurant Association completion certificate.

Students in this class may be selected to participate on the ProStart Culinary Team.

* A class which earns college prep credit  ** This class earns college credit at LCC
**General Information**

Due to the rigorous nature of all IB classes, students who pass will receive a weighted grade in all HL classes and for the SL classes in which exams may be taken that year.

College credit may be available in IB classes. In order to qualify for college credit each student must fulfill the in-class assessment requirements and register for the IB examination in that class. Students will receive a mark of 1-7 on these assessments. College credit will then be awarded according to the specific policies set by the college the student attends. College credit is often available to anyone who scores 5, 6, or 7.

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<th>Prerequisite</th>
<th>Grade</th>
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<td>IB Theatre 2</td>
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<td>IB Spanish**</td>
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<td>11-12</td>
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</table>

* A class which earns college prep credit  ** This class earns college credit at LCC
GROUP 1: Language

*IB English 1 1 Year
#010070 (year)
Prerequisite: English 9/9A and 10 /10A

This course is part one of a two-year long advanced study of language and literature. The goals of the course include: introducing students to a wide range of texts from different periods, styles and genres; helping students to develop the ability to engage in close, detailed analysis of individual texts and make relevant connections; helping students to develop their powers of expression in both oral and written communication; encouraging students to recognize the importance of the contexts in which texts are written and received; encouraging, through the study of texts, an appreciation of the different perspectives of people from other cultures, and how these perspectives construct meaning; encouraging students to appreciate the formal, stylistic and aesthetic qualities of texts; promoting an enjoyment of, and lifelong interest in, language and literature; developing an understanding of how language, culture and context determine the ways in which meaning is constructed in texts; and encouraging students to think critically about the different interactions between text, audience and purpose.

Students will read, interpret and discuss a variety of text types from around the globe, write literary and critical analysis of these texts, and participate in oral presentation and discussion exploring both form and function of the works. Students’ proficiency in these skills will be assessed in both written and oral forms throughout the year, culminating in a final oral examination. Proficiency in these skills will be measured through the rigorous standards set by the International Baccalaureate.

*IB English 2 1 Year
#010079 (year)
Prerequisite: IB English 1

This course is part two of a two-year long advanced study of language and literature. It is an extension of that curriculum begun in IB English 1 and allows students to delve deeper into their understanding of language and literature from around the globe. It is designed for motivated, disciplined students capable of meeting the highest academic standards in reading, writing and speaking.

Students will read, interpret and discuss a variety of text types from around the globe, write literary and critical analysis of these texts, and participate in oral presentation and discussion exploring both form and function of the works. Students’ proficiency in these skills will be assessed in both written and oral forms throughout the year, culminating in two university-level written exams in the Spring. Proficiency in these skills will be measured through the rigorous standards set by the International Baccalaureate.

GROUP 2: Second Language

*IB German 1 Year
#062519 (year)
Prerequisite: must pass third year course.
Class open to grades 10-12. Students must begin this course first semester.
The course will offer continued study of the culture and language through reading, writing, speaking and listening. The class is conducted almost entirely in the language. Cultural instruction will have a more in depth focus on individual countries.
The students will expand their knowledge of daily grammatical and conversational structures. They will also develop their range of verbal and written expression to include the literacy text, poems, plays, film and art that will supplement the curriculum throughout the year.

**IB Spanish (4th Year) 1 Year
#061119 (year)
Prerequisite: must pass third year course. Native Speakers of Spanish must speak Spanish as first language or be bilingual. Placement test available-see instructor.
At the end of the fourth year, students will have the opportunity to prepare for the IB exam. Native Speakers of Spanish who wish to take the IB exam should enroll in IB Spanish 4.

**IB Spanish (5th Year) 1 Year
S1#061115  S2  #061116
Prerequisite: Passed 4th year Spanish-Class open to grades 11-12
Students must begin this course first semester.
The course will offer continued study of the culture and language through reading, writing, speaking and listening.

GROUP 3- Individuals and Societies

*IB History 1 – Americas 1 Year
#040540 (year)
Prerequisite: none
This IB course is more than the study of the past. It is the process of recording, reconstructing and interpreting the past through the investigation of a variety of sources. History is a study that gives people an understanding of themselves and others in relation to the world.
This is the first of a two-year course of study that will prepare students to take the IB History exam in May of their senior year. This course will focus in-depth on the histories of the United States, Canada, and Latin America in the 19th and 20th centuries. Specifically, students will analyze the United States Civil War, the Great Depression, Civil Rights movements and the development of the Cold War.
The student will spend considerable time reading, analyzing and writing about material relating to some of the major trends and events of the Americas during the last two centuries.

* A class which earns college prep credit   ** This class earns college credit at LCC
Within each area of study, students will examine the major political, economic and social issues of the time and, when relevant, cultural aspects are included.

*IB History 2 – 20th Century World 1 Year
#040545 (year)
Prerequisite: none
Class is open to grade 12 only.
This IB Course is more than the study of the past. It is the process of recording, reconstructing and interpreting the past through the investigation of a variety of sources. History is a study that gives people an understanding of themselves and others in relation to the world, both past and present. This is the second of a two-year course of study that will prepare students to take the IB History exam in May of their senior year. This course will focus in-depth on the global history of the 20th Century. Specifically, students will study the causes, practices and effects of wars with a focus on the two World Wars and other conflicts. Students will also examine the development of the Arab–Israeli conflict from 1945 to 1979.
The student will spend considerable time on reading, analyzing and writing about material relating to the major global historical trends of the 20th Century. Within each area of study, students will examine the major political, economic and social issues of the time and, when relevant, cultural aspects are included.

*IB Psychology 1 1 Year
Year #042570
Prerequisite: none
Class is open to grades 11 and 12
This IB course will promote a greater understanding and appreciation for the psychological diversity of human beings. It will focus on the biological, cognitive, social and cultural influences on human behavior while ensuring that ethical practices are followed throughout psychological inquiry. The course will cover the standard level IB exam given in May.
The student will examine three psychological perspectives including the biological, cognitive and social-cultural, levels on analysis. Students will also examine the psychology of abnormal behavior. In addition students will research, design and conduct experiments.

*IB Psychology 2 1 Year
Year #042579
Prerequisite: IB Psychology 1
Class is open to grade 12
This IB will be a continuation of IB Psychology 1. The course will prepare students for the higher level IB exam given in May.
The student will reexamine three psychological perspectives: biological, cognitive and social-cultural, with a greater level of depth. Students will also examine the psychology of human relationships and qualitative research methods. In addition students will research, design and conduct experiments.

GROUP 4- Experimental Sciences

*IB Chemistry 1 1 Year
Year #031070
Prerequisite: C or better in General Biology, passed Algebra 1 or higher, or instructor approval.
Class is open to grades 10-12.
This advanced chemistry course will introduce students to the fundamental concepts of chemistry, the study of matter and change. This course, along with IB Chemistry 2, will prepare students for the IB Chemistry SL exam given in the spring of the second year, and will cover content equivalent to an introductory college chemistry course. The course may be taken by students with an interest in advanced chemistry or as part of the IB course of study. This first year course will focus on an introduction to inorganic chemistry. Topics covered will include scientific measurement and data processing, the nature of matter, atomic structure, periodicity, nomenclature, bonding, chemical reactions, stoichiometry, energetics, chemical kinetics, equilibrium, acids and bases, and electrochemistry. Throughout the course emphasis will be placed on problem-solving and data processing to emphasize the quantitative and experimental nature of the science of chemistry.
The student will also embark on a rigorous laboratory program, which will be designed to foster inquiry, to reinforce course concepts, and to foster an appreciation for the process of science. These labs will also demonstrate the experimental and quantitative nature of chemistry. Students will learn to individually design controlled experiments, collect and process data, draw relevant conclusions, identify significant sources of error, and suggest realistic improvements in the experimental procedures.

*IB Chemistry 2 1 Year
Year #031079
Prerequisite: IB Chemistry 1, Algebra II or higher.
Class is open to grades 11-12.
This fast-paced advanced chemistry course completes the course of study started in IB Chemistry 1. Students will prepare for the IB Chemistry SL exam given in the spring. In addition to the continued reinforcement of the first year curriculum, this course will focus on the study of organic chemistry. Topics covered will include basic organic nomenclature and functional groups, organic reactions including reaction mechanisms and conditions, human biochemistry, and food chemistry. A period of time in the spring will be devoted to content review and exam preparation.
The student will continue the laboratory program began in the first year of the course. Students will be given additional opportunities to design experiments, collect data, and complete lab reports according to the IB experimental science criteria. These experiments will encompass the Internal Assessment portion of the IB Chemistry grade. Students will complete an interdisciplinary group field project in the fall. Due to the fast pace of the course and the advanced level of the material, students who pass the course will receive a weighted grade.

* A class which earns college prep credit  ** This class earns college credit at LCC
**IB Sports, Exercise, and Health Science 1 1 Year**

Year #03053Y1  
**Prerequisite:** Passed General Biology  
(Note: Required for all students entering the Health Career Pathway)  
Class is open to grades 10-12.  
This is an advanced science course designed to provide a comprehensive background in human anatomy and physiology, medical terminology, basic cell biology, and microbiology. Human Anatomy and Physiology is an interdisciplinary science that includes areas of biology, math, physics, and chemistry. As such, it provides a unique opportunity providing students with the foundations for understanding their own body and current trends in health technology, developing critical thinking skills required for students entering allied health programs and improve communication, organization, and study skills. This class is also the first of a two part series of classes (IB Sports, Exercise, Health Science).  
**The course will** consist of multi-media lectures, both small and large group problem solving activities, hands-on experiments, textbook and reference reading, guest speakers, field trips, projects, and dissection. Students should expect to do a minimum of 2 hours of homework weekly. If the student plans to attend college or working in the health field, this course is highly recommended. Students may be able to receive Tech Prep credit through LCC.

*IB Sports, Exercise & Health Science 1 Year*  
Year # 03053Y2  
**Prerequisite:** IB SEHS 1;  
Class is open to grades 11-12  
This is an advanced science course. As such, it provides a unique opportunity providing students with the foundations for understanding their own body and current trends in health technology, developing critical thinking skills required for students entering allied health programs and improve communication, organization, and study skills.  
**The course will** incorporate the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context.  

**GROUP 5- Math**  
*IB Precalculus 1 year*  
#021100 (year)  
**Prerequisite:** Algebra 2, pass state test or instructor approval. Class is open to grades 11-12  
**The course will** extend previously learned concepts to many real-world applications. Course topics will include polynomial, logarithmic, exponential, and trigonometric functions. The class will also cover topics from statistics, probability, finance, and an introduction to calculus.  
**Students will** need regular access to a graphing calculator, and daily homework will be assigned. A personal re-search project involving the collection, analysis and evaluation of data is a course requirement.

**GROUP 6-Arts**  
**IB Theatre 1 1 Year**  
S1  # 050531, S2 #050532  
**Prerequisite:** one year of drama or instructor approval.  
Class is open to grades 11 and 12  
**This course** leads students in a rigorous investigation of the nature of theatre. Throughout the year, students will investigate both traditional as well as alternative forms of theatre, viewing them culturally as well as stylistically, while engaging in both the practical and the theoretical.  
**The student will** learn to understand the composite nature of theatre, as an art form made up of many art forms. Students will develop an appreciation of theatre by studying it with their minds and with their senses, with their bodies and with their emotions. Students are required to participate in some aspect of a WHS theatre production, either on stage or off.  
**IB Theatre 2 1 Year**  
S1 #050533, S2 #050534  
**Prerequisite:** IB Theatre 1  
**This course** will be a continuation of IB Theatre 1 and will further the investigation of the nature of theatre. Throughout the year, students will investigate both traditional as well as alternative forms of theater, viewing them culturally as well as stylistically, while engaging in both the practical and the theoretical.  
**The student will** learn to understand the composite nature of theatre, as an art form made up of many art forms. Students will develop an appreciation of theatre by studying it with their minds and with their senses, with their bodies and with their emotions. Students are required to participate in some aspect of a WHS theatre production, either on stage or off. There are four major assessments: Research Investigation, Practical Performance Proposal, Theatre Performance and Production Presentation, and Independent Project Portfolio.

**CORE:**  
*IB Theory of Knowledge 1 Year*  
S2 (grade 11) #043042 S1 (grade 12 ) #043041  
**Prerequisite:** none; Class is open to grades 11-12.  
Students are not required to be part of the IB program to be part of this class. TOK is required for all students attempting to complete the IB Diploma.  
**Theory of Knowledge** is an interdisciplinary course intended to encourage students to question and analyze the issues that arise from their day to day lives. Students will not study someone else’s philosophy, rather they will be responsible for creating their own. TOK will interact with and aggressively question all the various areas of knowledge: mathematics, natural sciences, ethics, art, history and human sciences. Each of these areas will be analyzed in regards to the ways people know: reason, emotion, language, and perception.  
**Students will** demonstrate the capacity to reason critically. Also, they will need to demonstrate an understanding of the strengths and limitations of knowledge. For instance, they will need to understand how their own personal values may bias their knowledge claims and those of others. Students will demonstrate an appreciation for knowledge at work in the world, and will be able to use oral and written language to construct and impart ideas clearly.
Language Arts

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
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<th>Credit</th>
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</table>

The Language Arts program consists of a sequenced series of courses from grade 9 through grade 12. Four years of English are required for graduation from high school. English classes are offered at Intermediate and Advanced levels. As students proceed through the program, their performance in a particular level will determine future placement in English classes. Language Arts instruction integrates the skills of reading, analysis, speaking, listening, and writing. Students read a variety of literature which forms the basis for improving spelling and vocabulary skills as well as reading and writing skills. Writing instruction covers the various steps of the writing process and includes review of grammar, syntax, usage, and mechanics as

*9th Grade English 1 Year
#010010 (year)
Prerequisite: none
Class is open to grade 9.
The course provides instruction in fundamentals of language, reading interpretation, writing, vocabulary development, and study skills. Units of study are organized by theme and by particular topics (vocabulary strategies, grammar concepts). Writing instruction focuses on the various stages of the writing process and on writing assessment. Writing assignments include informal responses to reading selections as well as formal compositions. Grammar instruction is focused on sentence construction and common usage.

10th Grade English 1 Year
#010020 (year)
Prerequisite: 9th Grade English (or concurrent enrollment)
Class is open to grade 10.
The course provides continued instruction in reading, writing, and vocabulary development. The focus of this course is world literature.
Student will explore theme through various types of literature. Writing instruction focuses on the various stages of the writing process and on writing assessment. Writing assignments include informal responses to reading selections as well as formal compositions.

*9th Grade English-Advanced 1 Year
Year #010015
Prerequisite: Placement based on state reading and ORF scores, and 8th grade teacher recommendation.
The course is designed for accelerated, college-bound students who are academically gifted and self-motivated. The course focuses on reading and analyzing texts of many types. Units of study are organized by type of literature or theme: short story, novel, memoirs, drama, poetry, etc. Writing assignments include well organized and structured paragraphs to single and multi-paragraph compositions. The goal of this course is to help bridge students into the more rigorous IB program available junior and senior year.

*10th Grade English-Advanced 1 Year
#010025 (year)
Prerequisite: 9th Grade English
Class is open to grade 10.
The course is designed for accelerated, college-bound students who are academically gifted and self-motivated and is also designed to prepare students for IB Language and Literature. The course is focused on reading world literature and writing. The study of literature is organized by theme units, as in the other levels of 10th English. Writing assignments include single and multi-paragraph compositions as well as a substantial research project.
The student will read longer works and novels to improve skills such as reading literature, writing, speaking and listening and reading information text.

* A class which earns college prep credit  ** This class earns college credit at LCC


*11th Grade English  
#010030 (year) S1 #010031  S2 #010032  
**Prerequisite:** 10th Grade English (or concurrent enrollment)  
Class is open to grade 11.  
The course traces the development of American literature - including fiction, nonfiction, poetry, and drama, from pre-colonial times to the present. Units of study are designed to provide encouragement and practice in critical thinking and literary analysis and to sharpen skills in listening, speaking, reading, and writing. Writing assignments include single- and multi-paragraph compositions as well as preparation for the state writing test.  

*12th Grade English  
#010040 (year)  
**Prerequisite:** 11th Grade English.  
Class is open to grade 12.  
The course is designed for students bound for two-and four-year colleges. Activities include vocabulary development, text supported paragraphs and essay writing, and the reading and discussion of literary works.  
The student will read and compare selected works of British literature, exploring themes common to writers from ancient times to the present.  

*IB English 1  
#010070 (year)  
**Prerequisite:** English 9/9A and 10 /10A  
This course is part one of a two-year long advanced study of language and literature. The goals of the course include: introducing students to a wide range of texts from different periods, styles and genres; helping students to develop the ability to engage in close, detailed analysis of individual texts and make relevant connections; helping students to develop their powers of expression in both oral and written communication; encouraging students to recognize the importance of the contexts in which texts are written and received; encouraging, through the study of texts, an appreciation of the different perspectives of people from other cultures, and how these perspectives construct meaning; encouraging students to appreciate the formal, stylistic and aesthetic qualities of texts; promoting an enjoyment of, and lifelong interest in, language and literature; developing an understanding of how language, culture and context determine the ways in which meaning is constructed in texts; and encouraging students to think critically about the different interactions between text, audience and purpose.  
Students will read, interpret and discuss a variety of text types from around the globe, write literary and critical analysis of these texts, and participate in oral presentation and discussion exploring both form and function of the works. Students’ proficiency in these skills will be assessed in both written and oral forms throughout the year, culminating in a final oral examination. Proficiency in these skills will be measured through the rigorous standards set by International Baccalaureate.

*IB English 2  
#010079 (year)  
**Prerequisite:** IB English 1  
This course is part two of a two-year long advanced study of language and literature. It is an extension of that curriculum begun in IB English 1 and allows students to delve deeper into their understanding of language and literature from around the globe. It is designed for motivated, disciplined students capable of meeting the highest academic standards in reading, writing and speaking.  
Students will read, interpret and discuss a variety of text types from around the globe, write literary and critical analysis of these texts, and participate in oral presentation and discussion exploring both form and function of the works. Students’ proficiency in these skills will be assessed in both written and oral forms throughout the year, and culminate in two university-level written exams. In the spring proficiency in these skills will be measured through the rigorous standards set by the International Baccalaureate.

*Creative Writing  
#011040 (year)  
**Prerequisites:** English 9 & 10,  
This class is open to grade 12.  
This course is designed for students committed to developing their creative writing skills. The course focuses on appreciating traditional writing formats and genres, as well as experimenting and discovering new ways of working creatively. Writing, and the study of the writers’ works, will be in a variety of genres including: creative non-fiction, fiction, poetry, and perhaps screenwriting. The practice of daily writing and units on dialog, narrative and imaginative writing, description, and figurative and literary devices will support growth in individual writing and teach writers to communicate emotions, attitudes and impressions through language. Assignments include daily writings and readings, classroom discussions and critiques, and several major writing assignments.

English Composition  
#011030 (year)  
**Prerequisite:** Must be grade 12 students who have not met the writing requirement for graduation,  
The course is designed to familiarize students with the LPA writing process and requirements. Every assignment in this class is structured to help students improve the organization, content, fluency and ability to self-edit in order to create an essay that meets state writing standards. Students will read and explore exemplar writing samples, score them, and familiarize themselves with the format and content of graduation caliber writing. Students will be given prompts every three to four weeks for the purpose of brainstorming, drafting, typing, revising and polishing final drafts, which will be scored for graduation purposes.

Language Arts and Journalism  
* A class which earns college prep credit ** This class earns college credit at LCC
### Mathematics

<table>
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<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
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<th>Credit</th>
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<td>Algebra 2 *</td>
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<tr>
<td>AP Statistics*</td>
<td>Math Studies, Precalculus or IB Precalculus</td>
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<td>Concepts of Algebra &amp; Concepts of Algebra Lab</td>
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*Algebra 1  
#020520 (year) S1 #020521 S2 #020522  
**Prerequisite:** Recommendation  
Class is open to grades 9-12.  
**The course is** the first course of the college preparatory mathematics sequence. Currently, three years of college prep mathematics are required for entrance at a college or university under the Oregon State System of Higher Education. This course is designed to develop skills in the manipulation and use of variables and algebraic processes. Topics include variables, equations, polynomials, exponents, inequalities, probability, and statistics.  
**The student will** be required to study outside of class time and turn in daily assignments. The use of calculators is minimal, but students may need a scientific calculator 2nd semester.  
**Students must earn a C or better to get credit for this class.**

### Concepts of Algebra & Concepts of Algebra Lab  
#020525 (year) S1 #020523 S2 #020526  
**Prerequisite:** Recommendation  
Class is open to grades 9-12. Begins Semester 1.  
**The course** will cover the fundamentals of algebra concentrating on factoring, solving equations, polynomials, inequalities, graphing, probability, and statistics. Extra time will be spent on review and applications of materials. In order to bring the students math levels up to standard for the State Assessment, this class will meet daily for the entire year. Upon successful completion of this course, students will earn 1 math credit and 1 elective credit (pass/no pass).  
**The student will** be required to complete homework outside of class time and turn in daily assignments. The use of calculators is minimal, but students may need a scientific calculator 2nd semester.  

### Algebra 2  
#020560 (year) S1 #020561 S2 #020562  
**Prerequisite:** Geometry or Math Encounters, and a "C" or better in Algebra.  
Class is open to grades 9-12. Begins Semester 1.  
College Credit Option: In addition to high school credit, students may earn five LCC Math 095 credits for the successful completion of the course. Credits are free to students and families.  
**The course** extends and deepens the learning of algebra concepts, which began in Algebra 1. Additional topics covered include irrational and complex numbers, rational functions, polynomial equations, exponential and logarithmic functions, and trigonometry. Students will also learn how to use scientific and graphing calculators.  
**The student will** complete daily homework assignments, and must bring a scientific or graphing calculator to class.

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* A class which earns college prep credit  ** This class earns college credit at LCC
*AP Calculus  1 Year
#021240 (year)  S1  #021241  S2  #021242
Prerequisite: IB Precalculus, Precalculus
Class is open to grades 11-12. Begins Semester 1.
The course is a beginning college-level course offered to students who have completed three years of college prep mathematics courses. The material covered includes limits, differential and integral calculus. Graphing calculators are used extensively and may be checked out in September for use throughout the year and on the AP exam.

Students who successfully complete the course and the Advanced Placement exam may receive college credit. Those choosing to take the AP exam will be required to pay a fee for this exam. Financial assistance is available when necessary. Due to the advanced level of the material, students will earn a weighted GPA for this course.

*AP Statistics  1 Year
#022030 (year)  S1  #022031  S2  #022032
Prerequisite: Math Studies, Precalculus or IB Precalculus
Class is open to grades 11-12. Begins Semester 1.
The course is a beginning college-level statistics course offered to students who have completed or are currently enrolled in precalculus. It may be taken concurrently with AP Calculus. AP Statistics includes using graphical and numerical techniques to study patterns, planning and conducting a statistical study, probability, and statistical inference.

Students who successfully complete the course and Advanced Placement examination may receive college credit for a one-semester introductory college statistics course. A fee for the AP exam is required. Financial assistance is available when necessary. Due to the advanced level of the material, students will receive a weighted grade for this course.

*Concepts of Geometry  1 Year
#020710 (year)  S1  #020711  S2  #020712
Prerequisite: Teacher recommendation
Class is open to grades 10-12. Begins Semester 1.
The course will cover the fundamentals of Geometry. It includes plane, solid and analytical geometry, as well as an introduction to trigonometry. Topics include angles, triangles, parallel and perpendicular lines, constructions, and transformations.

Algebra skills will be built in along with continuous review and applications.

The student will be required to complete homework outside of class time, turn in daily assignments, and bring a scientific calculator to class.

*Geometry  1 Year
#020720 (year)  S1  #020721  S2  #020722
Prerequisite: Algebra 1 or Concepts of Algebra with a C or better.
Class is open to grades 9-12. Begins Semester 1.
The course is the second course in the college preparatory sequence, following one full year of Algebra. It includes plane, solid and analytical geometry, as well as an introduction to trigonometry. Topics include angles, triangles, parallel and perpendicular lines, constructions, and transformations.

The student will develop a process of logical thinking, and the ability to use geometric relationships. Daily homework will be assigned. A scientific calculator is strongly encouraged.

*Math Encounters  1 Year
Year #029990  S1  #029991  S2  #029992
Prerequisite: Algebra 1 and Geometry
Class is open to grades 11-12. Begins Semester 1. It may be taken concurrently with Geometry or Concepts of Geometry.
The course is designed as an alternative to the normal sequence in mathematics, but is not considered part of the college preparatory curriculum. Topics to be covered include functions and graphs, financial math, mathematical modeling, probability, and statistics.

Students will develop deductive logic skills through the analysis of different types of mathematical problems. Students may need a scientific calculator.
**Mathematical Studies**  
1 Year  
#021310 (year) S1 #021311  S2 #021312  
**Prerequisite:** Algebra 2  
Class is open to grades 11-12 Begins Semester 1.  
The course will allow students opportunities to meet the state’s graduation requirement in Math. Topics will include statistics, functions, trigonometry, matrices, problem solving, number theory, and graph theory. The applications of math will be emphasized through class activities.  
**Students will** need regular access to a graphing calculator, and daily homework will be assigned.

**Precalculus**  
1 Year  
Year #021105  S1 #021103  S2 #021104  
**Prerequisite:** Algebra 2 and pass state math test or instructor approval.  
College Credit Option: In addition to high school credit, students may earn five LCC Math 095 credits for the successful completion of the course. Credits are free to students and families.  
The course will extend previously learned concepts to many real-world applications. Course topics will include polynomial, logarithmic, exponential, and trigonometric functions. The class will also cover topics from statistics, probability, finance, and an introduction to calculus.  
**Students will** need regular access to a graphing calculator, and daily homework will be assigned.

**Senior Encounters**  
1 Year  
S1 #020553  S2 #020554  
**Prerequisite:** Any senior who has not passed the state requirement for essential skills in math.  
Class is open to grades 11-12. Begins Semester 1. It may be taken concurrently with Geometry if necessary.  
The course involves reviews of Algebra and Geometry, then focuses on preparing students for the Work Keys test, and math work samples. Math work samples cover concepts from Algebra, Geometry, and Stats and Probability. Students who already have three math credits are eligible to drop the class once they reach the essential skills state requirement for math.  
**Students will** pass two math work samples or the Work Keys test in order to get their essential skill in math which is a graduation requirement.
Willamette High School Math Courses

Four years of math is recommended for all college bound students.
The minimum math required for admissions to most four year colleges is met by completing the traditional sequence of Algebra 1, Geometry, and Algebra 2.

Concepts of Algebra & Concepts of Algebra Lab
Students may earn an elective credit and a math credit (must earn a C or higher for math credit)

Concepts of Geometry
Basic Geometry

Math Encounters

Math Studies
Functions, Statistics, and Trigonometry in preparation for pre-calculus or AP Statistics

Algebra 1
1st year of standard college-prep courses. Students must earn a C or higher for credit.

Geometry
2nd year of standard college-prep courses

Algebra 2
3rd year of college-prep courses. Passing Algebra 2 with a C or higher is the minimum requirement for most universities.

Pre-Calculus
Prerequisite for AP Calculus

IB Pre-Calculus*
Prerequisite for AP Calculus. Includes research project for the IB program

Mathematics Studies
Functions, Statistics, and Trigonometry in preparation for pre-calculus or AP Statistics

AP Statistics*
May take concurrently with Pre-Calculus or AP Calculus

AP Calculus*
May take concurrently with AP Statistics

* College Credit may be earned through course requirements and testing in both AP and IB courses.
Parenting Education

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
<th>Credit</th>
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<tr>
<td>Young Mothers and Fathers</td>
<td>This course is offered to pregnant or parenting students.</td>
<td>9-12</td>
<td>yes</td>
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<tr>
<td>Parenting Experience</td>
<td>This course is offered to pregnant or parenting students.</td>
<td>9-12</td>
<td>yes</td>
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</table>

**Young Mothers and Fathers**

**Semester or Year**

S1 #222041  S2 #222042

**Prerequisite:** This course is offered to pregnant or parenting students.

This course is part of a comprehensive teen parent support program at Willamette.

Students will learn about child safety and wellness, best parenting practices, and child development. In addition, students will increase their knowledge of healthy communication skills, stress management, and other related life skills.

**Parenting Experience**

**Semester or Year**

S1 #222043  S2 #222044

**Prerequisite:** This course is offered to pregnant or parenting students.

This course will give students, who are pregnant or parenting teens, hands-on experience and support in caring for babies and toddlers. All student-child interactions will be under close supervision of the Willamette High School Infant Toddler Center or Preschool staff.

The student will learn how to nurture, guide, and provide for the basic needs of babies and toddlers and or preschool aged children. In addition, students will complete independent coursework to support to increase their knowledge of best parenting practices.
# Physical Education

<table>
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<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
<th>Credit</th>
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<tbody>
<tr>
<td>Personal Fitness &amp; Games 1</td>
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<td>9-12</td>
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<td>.5</td>
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<tr>
<td>Personal Fitness &amp; Games 2</td>
<td>Must have passed Personal Fitness 1 or instructor approval</td>
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<tr>
<td>Early Bird Athletic Conditioning</td>
<td>Must be an athlete on WHS campus/instructor approval</td>
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<td>.5</td>
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<tr>
<td>Male Athletic Conditioning</td>
<td>Must be an athlete on WHS campus/instructor approval</td>
<td>10-12</td>
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<td>.5</td>
</tr>
<tr>
<td>Female Athletic Conditioning</td>
<td>Must be an athlete on WHS campus/instructor approval</td>
<td>9-12</td>
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<td>.5</td>
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<tr>
<td>Frosh Male Athletic Conditioning</td>
<td>Must be an athlete on WHS campus/instructor approval</td>
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<tr>
<td>Independent Study PE</td>
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<td>10-12</td>
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<td>.5</td>
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</table>

### Personal Fitness & Games 1 1 Semester  
#080010 (either)  
**Prerequisite:** none  
Class is open to grades 9-12  
**The course will** be an introductory class for students who are looking to complete physical education requirements in a fun non-competitive setting. This class will be coed and students will learn exercises that will lead them to live a healthier lifestyle.  
**The students will** engage in activities that they will be able to continue to participate in throughout their lifetime. EX: strength training, cardiovascular training, volleyball, ultimate Frisbee, badminton, soccer as well as others.

### Early Bird Athletic Conditioning 1 Semester  
S1 #080051EB  S2 #080052EB  
**Prerequisite:** Instructor approval. Must be an athlete on WHS campus/instructor approval. Class open to grades 10-12. **Class starts at 7am!**  
**The course** is designed for 10th –12th grade male ATHLETES and is broken down into three parts: strength and conditioning, mental aspects of sports, speed and agility development. Students will gain an understanding of the benefits of a year-round strength and conditioning program.  
**The students will** learn what it takes to become mentally and physically strong enough to be competitive at the varsity level. Students will learn the proper technique and safety precautions for all exercises in class.

### Male Athletic Conditioning 1 Semester  
#080050M (either)  S1 #080051M  S2 #080052M  
**Prerequisite:** Instructor approval. Must be an athlete on WHS campus/instructor approval. Class open to grades 10-12  
**The course** is designed for 10th –12th grade male ATHLETES and is broken down into three parts: strength and conditioning, mental aspects of sports, speed and agility development. Students will gain an understanding of the benefits of a year-round strength and conditioning program.  
**The students will** learn what it takes to become mentally and physically strong enough to be competitive at the varsity level. Students will learn the proper technique and safety precautions for all exercises in class.
Female Athletic Conditioning  1 Semester
#080050F (either)
**Prerequisite:** Must be an athlete on WHS campus/instructor approval. Class is open to grades 9-12
**The course** is designed for 9th –12th grade female ATHLETES and is broken down into three parts: strength and conditioning, mental aspects of sports, speed and agility development. Students will gain an understanding of the benefits of a year-round strength and conditioning program. **The students will** learn what it takes to become mentally and physically strong enough to be competitive at the varsity level. Students will learn the proper technique and safety precautions for all exercises in class.

Frosh Male Athletic Conditioning  1 Semester
#080050FR (either)
**Prerequisite:** Must be an athlete on WHS campus/instructor approval. Class is open to grade 9
**The course** is designed for 9th grade male ATHLETES and is broken down into three parts: strength and conditioning, mental aspects of sports, speed and agility development. Students will gain an understanding of the benefits of a year-round strength and conditioning program. **The students will** learn what it takes to become mentally and physically strong enough to be competitive at the varsity level. Students will learn the proper technique and safety precautions for all exercises in class.
The students will study the topics listed above to develop an introduction to plants and develop an understanding of how plants relate to them. Students will learn through a variety of methods, from hands-on plant care and multi-media presentations, to readings, videos, labs, and activities. This class will include a final project on plants.  

**Chemistry**  
1 Year  
#031010 (year) S1 #031011 S2 # 031012  
Prerequisite: Passed General Biology, passed Algebra I or higher.  
Class is open to grades 10-12.  
The course will introduce students to the fundamental concepts of chemistry, the study of matter. Chemistry occurs at the level of the atom, therefore the course will begin with a study of current theories of atomic structure, and how this structure explains the chemistry that occurs all around us. This course will then explore such topics as the periodic table, chemical quantities, chemical names, chemical formulas, chemical reactions, the energy of reactions, states of matter, and chemical bonding.  
This course will provide students with the opportunity to think critically about a variety of concrete and abstract concepts. This exposure will be a valuable asset to students in a wide variety of future pursuits.  
The students will learn by completing a wide range of activities including laboratory investigations, demonstrations, discussions, lectures, small group projects, and text work. Students will be given a firm foundation in safe laboratory procedures, and will then have the opportunity to gain confidence in the lab environment through a variety of activities.
Students should expect to do a minimum of 2 or 3 hours of homework weekly. Chemistry occurs all around us, and is the foundation for many other sciences from geology to biology. This course is highly recommended for any student planning to attend college or pursue careers in any health-related field, any environmental field, or any branch of the sciences.

*General Biology 1 Year
#030510 (year) S1 #030511 S2 #030512
Prerequisite: Class is open to grades 10-12 after the successful completion of Physical Science.
This year-long course will explore main concepts of the natural world related to the following topics: cell chemistry, cell biology, ecology, DNA, genetics, and evolution. To accomplish this our learning activities will emphasize lecture, laboratories, discussions, assignments and other application or review activities. Students will use teamwork skills, critical thinking skills, and study skills to help acquire and understand the essential information and concepts.
The students will develop proficiency of the main concepts through class note taking, videos and animations, class discussions, daily warmups, text readings and worksheet practice assignments, biological models, investigations, experiments, and unit reviews. Students are encouraged to do a minimum of 2-5 hours of study weekly. Dissection of animals is not a learning activity used in this course.

*General Geology 1 Semester
#030020
Prerequisite: Completion of 4 semesters of Science, open to grades 11 & 12
This class will give students an introduction to Geology allowing them to tell “The Story of the Earth”. What is geology? What do geologists do? How do geologists impact my everyday life? All of these are questions that will be addressed. Students will explore Historical Geology as we look at the creation of our Solar System, the Earth, and the Moon. In the Physical Geology sections students will learn how minerals are formed, classified, mined, and used in our everyday lives. Additionally this class will examine the rocks and structure of the Earth including the forces that act both above and below the surface. The Students will have the ability to explore and explain the geologic structures and materials that they encounter in their life. Students will be able to make observations and perform simple test that will allow them to classify and identify a wide variety of rocks and minerals. They will explore some of the most unique and amazing geologic structures around the world.

*General Physics 1 Year
Year #031510
Prerequisite: completion of 4 semesters of Science, open to grades 11 & 12, and sophomores who have completed Biology. It is strongly recommended that for successful completion of this class that the student has completed Algebra 1 with at least a C and is currently enrolled in Geometry or higher.
The course will introduce students to the fundamental concepts of physics, the branch of science concerned with the nature and properties of matter and energy. This course is an introduction to the fundamental laws of physics and their applications. Students will develop skills in collecting and analyzing experimental data, and drawing conclusions from such data. They will gain experience in applying the principles of physics to solve problems and to understand occurrences in everyday life. The role of physics in modern technology, and its relationship to other scientific disciplines will be emphasized. This course will utilize a solid understanding of the concepts of algebra 1 as one of the many tools required to fully understand physics. Added emphasis will be given to critical thinking and problem solving skills within the framework of the topics covered and process of scientific inquiry.
The course will provide students with the opportunity to think critically about a variety of concrete and abstract concepts. This exposure will be a valuable asset to students in a wide variety of future pursuits.
The students will learn by completing a wide range of activities including laboratory investigations, demonstrations, discussions, lectures, small group projects, and text work. Students will be given a foundation in the skills necessary to analyze complex real-world problems by using engineering and design skills including modeling and computational thinking to optimize the solution. Students should expect to do a minimum of 2 or 3 hours of homework weekly. Physics itself is the basis for all the other sciences and will enhance a student’s understanding and appreciation of the world around them. This course is highly recommended for any student planning to attend college or pursue careers in any branch of the sciences in particular medicine or engineering.

**IB Sports, Exercise, and Health Science 1 1 Year
Year #030530Y1
Prerequisite: Passed General Biology with a “C” or better
(Note: Required for all students entering the Health Career Pathway)
Class is open to grades 10-12.
This is an advanced science course designed to provide a comprehensive background in human anatomy and physiology, medical terminology, basic cell biology, and microbiology. IB Sports, Exercise and Health Science 1, is an interdisciplinary science that includes areas of biology, math, physics, and chemistry. As such, it provides a unique opportunity providing students with the foundations for understanding their own body and current trends in health technology, developing critical thinking skills required for students entering allied health programs and improve communication, organization, and study skills.
The course will consist of multi-media lectures, both small and large group problem solving activities, hands-on experiments, textbook and reference reading, guest speakers, field trips, projects, and dissection. Students should expect to do a minimum of 1 hour of homework weekly. If the student plans to attend college or working in the health field, this course is highly recommended. Students may be able to receive Tech Prep credit through LCC.

* A class which earns college prep credit ** This class earns college credit at LCC
*IB Sports, Exercise, and Health Science 2  
1 Year
Year #03053Y2
**Prerequisite:** IB SEHS 1; Class is open to grades 11-12.
This is an advanced science course. As such, it provides a unique opportunity providing students with the foundations for understanding their own body and current trends in health technology, developing critical thinking skills required for students entering allied health programs and improve communication, organization, and study skills.
The course will incorporate the traditional disciplines of anatomy and physiology, biomechanics, psychology and nutrition, which are studied in the context of sport, exercise and health. Students will cover a range of core and option topics and carry out practical (experimental) investigations in both laboratory and field settings. This will provide an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimension and ethics by considering sport, exercise and health relative to the individual and in a global context.

*IB Chemistry 1  
1 Year
Year #031070
**Prerequisite:** C or better in General Biology, passed Algebra 1 or higher, and Instructor Approval.
Class is open to grades 10-12.
This advanced chemistry course will introduce students to the fundamental concepts of chemistry, the study of matter and change. This course, along with IB Chemistry 2, will prepare students for the IB Chemistry SL exam given in the spring of the second year, and will cover content equivalent to an introductory college chemistry course. The course may be taken by students with an interest in advanced chemistry or as part of the IB course of study. This first year course will focus on an introduction to inorganic chemistry. Topics covered will include scientific measurement and data processing, the nature of matter, atomic structure, periodicity, nomenclature, bonding, chemical reactions, stoichiometry, energetics, chemical kinetics, equilibrium, acids and bases, and electrochemistry. Throughout the course emphasis will be placed on problem-solving and data processing to emphasize the quantitative and experimental nature of the science of chemistry. The student will also embark on a rigorous laboratory program, which will be designed to foster inquiry, to reinforce course concepts, and to foster an appreciation for the process of science. These labs will also demonstrate the experimental and quantitative nature of chemistry. Students will learn to individually design controlled experiments, collect and process data, draw relevant conclusions, identify significant sources of error, and suggest realistic improvements in the experimental procedures. Due to the advanced level of the material, students who pass the course will receive a weighted grade.

*IB Chemistry 2  
1 year
Year #031079
**Prerequisite:** IB Chemistry 1, passed Algebra II or higher.
Class is open to grades 11-12.
This fast-paced advanced chemistry course completes the course of study started in IB Chemistry 1. Students will prepare for the IB Chemistry SL exam given in the spring. In addition to the continued reinforcement of the first year curriculum, this course will focus on the study of organic chemistry. Topics covered will include basic organic nomenclature and functional groups, organic reactions including reaction mechanisms and conditions, human biochemistry, and food chemistry. A period of time in the spring will be devoted to content review and exam preparation.
The student will continue the laboratory program began in the first year of the course. Students will be given additional opportunities to design experiments, collect data, and complete lab reports according to the IB experimental science criteria. These experiments will encompass the Internal Assessment portion of the IB Chemistry grade. Students will complete an interdisciplinary group field project in the fall. Due to the fast pace of the course and the advanced level of the material, students who pass the course will receive a weighted grade.

*Invertebrate Zoology  
1 Semester
Year #030610
**Prerequisite:** completion of 4 semesters of Science, open to grades 11 & 12, & sophomores who have passed Biology.
The course will introduce students to zoology, the study of the animal kingdom. Students will learn about classification, body plans, and major invertebrate phyla. Units of study will include porifera, cnidarians, platyhelminthes, nematodes, annelids, mollusks, and echinoderms.
The student will have opportunities to study living animals in labs and participate in various dissections.

*Physical Science  
1 Year
Year #030080
**Prerequisite:** None, all 9th graders will take this class
This class will provide a formal introduction to what science is while exploring the skills and processes that scientists use to build our understanding of the natural world. Chemistry concepts will include: atomic structure, decoding the Periodic Table, chemical bonding and reactions. Physics concepts will include: energy, motion, and the electromagnetic spectrum. There will be an additional focus on STEM careers and the impact that science has on our everyday lives. The students will engage in inquiry based learning that promotes problem solving skills they will use during the engineering design process. Students that finish this class will have a basic understanding of the structure and function of the physical world while learning how the process of scientific discovery works.

<table>
<thead>
<tr>
<th>Science</th>
</tr>
</thead>
<tbody>
<tr>
<td>* A class which earns college prep credit  ** This class earns college credit at LCC</td>
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NGSS SCIENCE PATHWAYS
(Class of 2021)

Physical Science
(All Incoming Freshman)

- Dual IB Chem 1 & IB SEHS 1
- IB SEHS 2
- IB CHEM 2

Biology

- IB SEHS 1
- IB SEHS 2
- IB CHEM 1
- IB CHEM 2

Environmental Earth/Space Science**

- Physics
- IB SEHS 1
- IB CHEM 1
- Zoology / Botany

** Not available until 2023

Science

* A class which earns college prep credit  ** This class earns college credit at LCC
Social Studies

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
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<td>American Government *</td>
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<td>AP Human Geography**</td>
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* American Government 1 Semester

Prerequisite: none
#041510
Class is open to grade 12, either semester.
The course will stress an analysis of American government, including the Constitution, Bill of Rights, the organization and operation of the federal government, and an examination of state and local governments. The student will learn the decision making process of our government, and the foundations on which our governmental system is built.

*American Studies 1 Year

#041030 (year) S1 #041031 S2 #041032
Prerequisite: none
Class is open to grade 9
This course will introduce and provide a survey of the political, economic, and historical development of the United States. It will provide students with a foundation in American History from reconstruction to the last half of the 20th century. The student will further discuss current events and issues within the historical context of America’s development as a world power.

*AP American Government 1 Year

#041570 (year) S1 #041571 S2 #041572
Prerequisite: none; Class is open to grades 11-12
This course is an alternative to the American Government course.
The course will give advanced students an opportunity to learn about American Government and politics to prepare for the Advanced Placement exam given in May. The student will concentrate on national government and the forces that shape its operation. Students in this class may take the AP exam in the spring at a cost of $85. Financial assistance is available when necessary. Students who pass will receive a weighted grade for this course.

**AP/College Now Human Geography 1 Year

Year #040040
Prerequisite: none
Class is open to grades 10-12
This course is a beginning college-level course offered to 10th-12th grade. The material covered introduces students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth’s surface. Students learn to employ spatial concepts and landscape analysis to examine human socioeconomic organization and its environmental consequences. They also learn about the methods and tools geographers use in their research and applications. Assessments will be similar in content and format to the AP exam in preparation for students to pass the AP exam in May. Students will have the opportunity to earn college credit by taking the AP exam or meeting the requirements set by LCC.

Social Studies

* A class which earns college prep credit  ** This class earns college credit at LCC
**Current Events**  
1 Semester  
#040640 (year) S1 #040641 S2 #040642  
**Prerequisite:** none  
Class is open to grades 11-12  
**This course** is designed to explore topics that are not necessarily part of the regular curriculum, and to increase student’s ability to analyze and do critical thinking pertaining to the various topics. Students will study the world we live in today, and will focus on topical issues of importance. Students will analyze contemporary issues within a framework of its historical, social, cultural, and political context. The course will be flexible in nature to accommodate significant current events as they happen, but the general direction of the class will be to study how the world developed to what it is today and where it is going next. **Students will** also learn the skills necessary to be responsible consumers of information, with a focus on credibility and media bias.

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**‘Economics (NOT offered 2017-18)**  
1 Semester  
#042010  
**Prerequisite:** none  
Open to grade 11-12.  
Economics is the study of how we balance wants with resources, consumption with production. Every choice involves a trade-off of costs and benefits. Economics (as a field of study) uses specialized language and skills to examine these choices and refine future decisions. This course will focus on the study of methods and theories of production, cycles of the economy, the role of individuals, and a comparison of various economic systems. **Students will** apply terms, theories, and skills to a wide range of situations involving resources and choices. They will carry out simulations of competing economic systems, reflect on choices made by themselves and others, and make recommendations on future choices, using the knowledge and abilities developed through our studies.

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**General Psychology**  
1 Year  
#042540 (year)  
**Prerequisite:** none  
Class is open to grade 11-12  
**This course** is a junior level course for students in the Human Resources Pathway. It will introduce students to the study of psychology. **The student will** investigate the complexity of the human mind and explore human behavior. Topics of study will include the biological basis of behavior, the scientific nature of psychology, and a consideration of ethics as it relates to research involving humans. There will be units on the learning process, memory, motivation and emotion.

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**IB History 1 – Americas**  
1 Year  
#040540 (year)  
**Prerequisite:** none  
**This IB course** is more than the study of the past. It is the process of recording, reconstructing and interpreting the past through the investigation of a variety of sources. History is a study that gives people an understanding of themselves and others in relation to the world. This is the first of a two-year course of study that will prepare students to take the IB History exam in May of their senior year. This course will focus in-depth on the American Civil War, the Great Depression, Civil Rights movements and the development of the Cold War. **The student will** spend considerable time reading, analyzing and writing about material relating to some of the major trends and events of the Americas during the last two centuries. Within each area of study, students will examine the major political, economic and social issues of the time and, when relevant, cultural aspects are included.

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**IB History 2 – 20th Century World**  
1 Year  
#040545 (year)  
**Prerequisite:** IB History 1  
Class is open to grade 12 only.  
**This course** is more than the study of the past. It is the process of recording, reconstructing and interpreting the past through the investigation of a variety of sources. History is a study that gives people an understanding of themselves and others in relation to the world, both past and present. This is the second of a two-year course of study that will prepare students to take the IB History exam in May of their senior year. This course will focus in-depth on the global history of the 20th Century. **Specifically, students will** study the causes, practices and effects of wars with a focus on the two World Wars and other conflicts. Students will also examine the development of the Arab–Israeli conflict from 1945 to 1979. **The student will** spend considerable time on reading, analyzing and writing about material relating to the major global historical trends of the 20th Century. Within each area of study, students will examine the major political, economic and social issues of the time and, when relevant, cultural aspects are included.

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**IB Psychology 1**  
1 Year  
#042570 (year)  
**Prerequisite:** none  
Class is open to grade 11 and 12  
**This IB course** will promote a greater understanding and appreciation for the psychological diversity of human beings. It will examine human behavior through three psychological lenses: biological (with a focus on the brain, genes, hormones, and neurotransmitters), sociocultural (with a focus on group behavior, social learning, and cultural norms), and cognitive (with a focus on decision making, memory, and perception). In addition, the course will introduce research methodology in the field of Psychology. **The student will** be required to demonstrate an ability to think critically about the causes and effects of human behavior. Through interactive lectures, topical discussions, applications of learning, and journaling, students will develop an enhanced awareness of why we do what we do, think what we think, and feel like we feel.

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**Social Studies**

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* A class which earns college prep credit  ** This class earns college credit at LCC
Social Studies

**Social Studies**

*IB Psychology 2*  
1 Year  
#042579 (year)  
Prerequisite: IB Psychology 1  
Class is open to grade 12  
This IB course will reexamine essential psychological lenses covered in IB Psychology 1: biological, sociocultural, and cognitive. Specifically, the course will examine abnormal behavior and human relationships through these lenses. In addition, this course will further the study of research methodology with a focus on research creation.  
The student will be required to demonstrate an ability to think critically about the causes and effects of human behavior. Through interactive lectures, topical discussions, applications of learning, and journaling, students will develop an enhanced awareness of why we do what we do, think what we think, and feel like we feel.

**IB Theory of Knowledge**  
1 Year  
S2 (grade 11) #043042  S1 (grade 12 ) #043041  
Prerequisite: Class is open to grades 11-12.  
This IB Course is an interdisciplinary course intended to encourage students to question and analyze the issues that arise from their day to day lives. Students will not study someone else’s philosophy- rather they will be responsible for creating their own. TOK will interact with and aggressively question knowledge claims in all the various areas of knowledge: mathematics, natural sciences, ethics, art, history, religion and human sciences. Each of these areas will be analyzed in regards to the ways people know: reason, emotion, language, perception, faith and intuition. The focal point will be the knowers (students) themselves.  
Students will demonstrate the capacity to think critically. They will need to demonstrate an understanding of the strengths and limitations of knowledge. For instance, they will need to understand how their own personal values may bias their knowledge claims and those of others. Students will demonstrate an appreciation for knowledge at work in the world, and will be able to use oral and written language to construct and impart ideas clearly.

**Modern US History**  
1 Semester  
#041060  
(NOT offered 2017-18)  
Prerequisite: None  
Open to grades 11 and 12  
The course will focus on the history of the United States from the end of WWII to the present through the lens of popular culture. Units of study will include the origins of the Cold War and the culture of the 1950s, war and social change in the 1960s, reactions to change in the 1970s, conservative revolution and the end of the Cold War in the 1980s, post-Cold War conflicts and the popular culture of the 1990s and new century.  
Students will explore the key events and popular culture of each decade using a variety of primary and secondary sources, including music, TV and film and literature.  
Note: US History 1945-Present will satisfy one semester of the Willamette High School American Studies requirement. However, 4-year universities will require 1 full year of American Studies.

**Social Justice**  
1 Semester  
S1 & S2 #041071  
(NOT offered 2017-18)  
Prerequisites: none  
Class is open to grades 11-12  
This course will explore issues of injustice, and the human efforts to rectify those issues. Units will focus on historical and modern issues through the lens of Native Americans, disparate social classes, African Americans, gender identity, among others.  
Students will examine and apply lessons from American History to modern day issues. They will also compare various perspectives on complex issues, identify viewpoint and bias, evaluate primary sources, and carry out simulations. Note: Social Justice will satisfy one semester of the American Studies requirement. However, 4-year universities will require 1 full year of American Studies.

**Sociology**  
1 Year  
#042580 (year)  
Prerequisite: none  
Class open to grade 12.  
This course meets requirements in Social Studies (non college).  
The course will: Introduce students to sociology. Sociology is the study of human society. It focuses on human relationships between people and examines how behavior is affected by social and cultural factors. This course provides an introduction to key sociological perspectives, concepts, and terminology. The course focuses primarily on American society and topics of study including the American value system, bullying and school violence, social class and poverty, and America’s war on drugs.  
The student will: Need to be interested in a more in-depth class focusing on the psychological and sociological factors influencing 20th Century issues and the changing human condition.

**World Studies**  
1 Year  
#040610 (year)  
Prerequisite: none  
Class is open to grade 10  
This course will give students a background in the geography and history of the major regions of the world. It will include instruction about the regions of Africa, Asia, Europe and the Americas. It will provide a base of knowledge so students can advance into more detailed Social Studies curriculum areas.

* Social

* A class which earns college prep credit  ** This class earns college credit at LCC
# Technology

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**Drafting 1**

1 Year

**Prerequisite:** none

Class open to grades 9-12. Must begin Semester 1.

The course will be a beginning level class in drafting. There will be an emphasis on basic drafting fundamentals, use and care of drafting equipment and methods and processes used by industry.

Students will learn sketching techniques as well as learn CAD (Computer Aided Drafting) using solidworks and draw 3 dimensional shapes/drawings.

The student will gain basic understanding necessary to allow him/her to progress in CAD (Computer Aided Drafting). LCC transfer credits are available for high level completion of this course (College Now).  

**Drafting 2**

1 Year

**Prerequisite:** Drafting 1

Class open to grades 10-12. Must begin Semester 1.

The course will prepare the student who is interested in furthering his/her drafting experiences by continuing to develop complex skills in learning Arcicad. There will be an emphasis on drawing a set of house plans and build a model using balsa wood.

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## ELECTRONICS

**Digital Manufacturing I**

1 Semester

**S1 #210531**

**Prerequisite:** none

Class is open to all grades 9-12, 1st semester

The course will cover the basics of using CAD (computer aided design) in fabrication. This course also covers the basics of programing using the Arduino platform.

The students will design and print vinyl sticker, use a laser cutter, and a 3D printer. After completion of the required course material students will have time for personal creations. These two subjects when combined make the basis for future robotics classes.

**Digital Manufacturing II**

1 Semester

**S2 #210532**

**Prerequisite:** Digital Manufacturing I

Class is open to grades 9-12

This course will be a continuation of Digital Manufacturing I. Students will be learning CAD using Rhino 3D software.

Students will continue using the 3D printers, Laser cutter, and be introduced to CNC milling. This course is project based and hands-on. At the completion of both Digital Manufacturing courses the students may become eligible for certification in Rhono 3D.

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* A class which earns college prep credit  ** This class earns college credit at LCC
Intro to Robotics 1 Semester
#210092
Prerequisite: None
Class is open to all grades 9-12, 2nd semester
This course will introduce students to Robotics programing and design using Lego Robotics. This is a hands on class with 2 students per robot.
The students will control the Lego Robot through a series of challenges while learning to program. After completion of the required course material students will have time for personal challenges and an introduction to the Tetrix robots used in competition. This course is a prerequisite for Robotics Competition.

Robotics Competition 1 Semester
#210091
Prerequisite: Intro to Robotics and Fabrication/Electronics Class is open to all grades 10-12, 1st semester
This course will group students in teams of 5-6 with the focus of competing in the First Tech Challenge. This is a national competition that occurs in the fall/winter and the challenge is unknown until the first week of school.
The students will create a robot and compete in the FTC Challenge. Student will learn: design and programing, fabrication, keep an accurate engineering notebook, and interpersonal skills. Focus will be on teamwork and communication.

Women in Engineering Semester
#210021
Prerequisite: none
Class is open to young women grades 9-12, 1st semester
This course will focus on introducing young women to the many fields of engineering through hands on projects, field trips, and guest speakers. Students will also learn and sample many of the other CTE (career and technical education) classes we offer at Willamette.
The students will learn the basics of CAD and apply it to the vinyl cutter, laser cutter, and 3D printer. They will be introduced to metal, wood, and plastic fabrication. They will have projects in chemical, materials, civil, electrical, and mechanical engineering. They will learn how to use and operate safely many types of tools and machinery.

MECHANICS

Car Care 1 Semester
#201060
Prerequisite: none.
Class open to grades 9-12.
The class is designed for students with no prior experience in mechanics. Skills necessary to perform routine maintenance on the automobile will be covered using both classroom and lab activities. Both males and females are welcome. Anyone who plans on driving can benefit from this class.
The student will participate in classroom and lab activities involved with general maintenance on the automobile.

Automotive 1 1 Semester
#201051
Prerequisite: Small Gas Engines/Car Care Class open to grades 10-12.
The course is designed for those students who have a thorough understanding of small gas engines. Both theory and hands on experiences will be used to help the students learn each of the systems in an automobile.
The student will learn all automotive drive train basics and will complete written assignments and lab work.

METALS

**Metals Technology 1 Semester
#132020
Prerequisite: None
Class open to grades 9-12 either semester
This is a College Now course and some students can earn college credit based on their final skill level.
This course will provide the opportunities for students to gain basic metal skills and learn about metals "shop" procedures and safety using industry standard tools and equipment.
Students will be introduced to and work for several days in each of the 3 main types of welding: ARC (shielded metal arc), MIG (Metal Inert Gas/wire welding), and Oxygen fuel (Acetylene gas). For each type of welding they will learn to make various types of welds and earn skill points. Students will also learn basic sheet metal, foundry, blacksmith, and other skills.

**Advanced Metals Tech. 1 Semester
#132490
Prerequisite: 'Metals Tech' with a C or better
Class open to grades 9-12 either semester
This is a College Now course and students can enroll for college credit in this class. Credit is based on their final skill level. We offer credit in Arc & Wire Drive welding and machining.

This course will emphasize vocational knowledge needed in the fabrication field and add to the knowledge and skills learned in the 'Basic Metals Tech' course.
Students will have the opportunity to gain further skills and knowledge in any of the areas from beginning metals technology. They can also learn to TIG weld and do basic machining. We have several milling machines and metal lathes that the students can use to learn basic skills and make small projects. Most of the tools and equipment we use in this program are industry standard and found in many fabrication facilities. In this course students can do advanced projects of their own design and of their own interest.
With instructor permission the student may repeat this class for credit.

Industrial & Engineering Systems 1 1 Year
#210030 (Year Block-2 period each semester)
Prerequisite: None. Highly recommended: passed Algebra 1, 3 semesters of science; 1 semester of Computer Tech or tested competency; 2 semesters of any Ind/ Tech courses.
Class open to grades 11, 12, full year course.
This is a College Now course and students can enroll for college credit in this class. Credit is based on their final skill level. We offer

* A class which earns college prep credit ** This class earns college credit at LCC
credit in Arc & Wire Drive welding and machining. The course will be a 2 period block class. The science and industrial technology portions will be mostly developed around activities involving large group, small group and individual projects, and career exploration. The course will focus on technology incorporated with science and math. Most of the activities are hands-on projects that the students will design, plan, construct and finally test or use. Those students going on to post high school education for engineering should also take Physics, high level math and language art courses. In this course we work constantly with industry standard equipment like lathes, milling machines, welders, measuring devices, CMC plasma cutters, etc. Through this class students learn a wide variety of metal working/engineering related skills and knowledge as well as teamwork and leadership skills required for success in every career. The student will do such things as: design and build various models and vehicles, and devices to explore industry technology, and do career exploration. The second semester will be spent by teams designing, building, and racing one person electric vehicles. There will be a number of activities and field trips out of the classroom; most of these will be outside of regular class time. All students will be taught a basic core level of technology, physics, and job readiness skills. Research outside of the class may be required. Credits: The students will earn 2 credits for this course: .5 science credit, 1.5 elective credit.

This is a College Now course and students can enroll for college credit in this class. Credit is based on their final skill level. We offer credit in Arc & Wire Drive welding and machining.

Industrial & Engineering Systems 2 1 Year #210039 (year) Prerequisite: Ind/Engineering Systems I with "B" or better or instructor approval. College Now info from Advanced Metals Class is open to grade 12, full year course. This is a College Now course and students can enroll for college credit in this class. Credit is based on their final skill level. We offer credit in Arc & Wire Drive welding and machining.

The course will be mostly hands-on activities involving large group, small group and individual projects, and career exploration. The course will focus on industrial technology incorporated with science and math. Most of the activities are full size "hands-on projects" that the students will design, plan, construct and finally test or use. Emphasis is placed upon problem solving, keeping an accurate daily journal, design, sketches and finished drawings working as a team member and individually on various projects. Those students going on to post high school education in engineering should also take high level math courses and General Physics. In this course we work constantly with industry standard equipment like lathes, milling machines, welders, measuring devices, CMC plasma cutters, etc. Through this class students learn a wide variety of metal working/engineering related skills and knowledge as well as teamwork and leadership skills required for success in every career. The students will do such things as design and build another one person electric vehicle the first semester and then design and develop a senior project based on a field of industry. These projects could cover all areas of industrial technology. For example, they could develop a full sized electric vehicle conversion project, build a trailer, make "metal art", or do auto body work. There will also be other class projects throughout the year. Students may experience extensive career exploration such as apprenticeships in areas of interest. Research outside of class may be required. Credits: Students will earn 1 elective credit.

WOODS

Basic Wood Tech 1 Semester #170060 Prerequisite: none Class open to grades 9-12, either semester. There is a lab fee for this course. The course will provide the student with an introductory knowledge in woodworking technology. The student will learn basic machine tool processes used in industry, starting from the design application to the construction of small wood projects. Major topic areas include Design, Machine Process, jointry, sanding and finish. The student will be required to fulfill strict safety standards along with completing required projects. Safety instruction will be continuously emphasized and monitored.

Adv. Wood Tech 1 Semester #170070 (either) S1 #170071 S2 #170072 Prerequisite: Basic Wood Tech Class open to grades 9-12, either semester. The course will emphasize the process of design, layout of project plans, box construction, drawer and door applications and spray finishing, and the use of plastic laminates in various techniques. The student will be required to complete required projects and various skills building exercises. Safety instruction is continuously emphasized and monitored. With instructor permission the student may repeat the course.

Design, Manufacturing & Construction Year #130020 Prerequisite: Intro to Drafting Technology, Basic Wood Technology, instructor’s approval. Class open to grade 11, 12. Must begin Semester 1. The course will be activity based with hands on activities. Students will work on individual skills as well as learning to work in teams on projects. The course will have two major areas of focus. One being CAD design, this will include using Software which will include Mechanical, Architectural, 3D solidworks design principles. There will be an emphasis placed upon problem solving and engineering based problems in individual and team settings. The second is on manufacturing of a product. Students will use the design produced in solidworks Software and manufacture (build, construct) their products. Again this can be an individual setting as well as in teams. The students will do projects that could include: design full set of house plans, design and build storage buildings, design and manufacture interior cabinetry, design and manufacture modern furniture, design and mass produce a product for sale. Students will have areas of special interest such as civil engineering and do an electronic visual presentation in that area. Students will also have access to apprenticeships in areas of interest. College Now: Students who spend a majority of the class in the design process using solidworks Software may have opportunities to gain college credit through LCC and the College Now Program.
Daily Skills for Living  1 Semester
S1 #222531  S1 #222533  S2 #222532  S2 #222534
Prerequisite: Student Study Team Recommendation
Class is open to grades 9-12.
Students may begin this course either semester.
The course will give a student access to and practice in applying functional life skills knowledge and instruction may be community-based. The course will focus on skills for adult life, self-determination, interpersonal skills, and problem solving.
The student will focus on these specific areas: managing personal finances, mobility training, health/hygiene, buying/preparing/consuming food, nutrition, consumer skills, choosing and accessing transportation, community safety, household skills, social skills, and recreation/leisure skills.

Essential Skills  Semester/Year
S1 #220051  S2 #220052
Prerequisite: Teacher Assistance Team Recommendation
Class is open to grades 9-12.
Students may begin this course either semester.
The course will present and reinforce literacy, mathematical, organization, time management, and social skills necessary to be successful in high school. Remediation of basic skills is integrated into the curriculum. Students will explore, plan and initiate steps required to transition into life after high school.
Students will create, track and review literacy, organization, time management, social and career goals. Continued self-assessment will guide student in aligning classes taken and designing activities that bring the student to those goals.
The student will expand literacy, mathematical skills; maintain an organized notebook; create and maintain a time management plan; record daily homework assignments; and explore, develop, track and review social and career goals.
Students will be expected to bring questions for needed support and set up a plan to be able to complete homework from other courses.

Personal English 1  1 Year
#011560 (year) S1 #011561  S2 #011562
Prerequisite: Student study team recommendation or instructor consent.
Class is open to grades 9-12.
This course will aid the student in developing and re-mediating reading and writing skills needed for success in life. Emphasis is given to decoding, fluency and comprehension and practical application of reading and writing skills.
The student will maintain an organized notebook, record daily homework assignments, bring study materials from other courses to class every day and develop self-advocacy skills.

Personal English 2  1 Year
S1 #011563A  S2 #011564A
Class is open to grades 9-12.
The course will aid the student in developing reading skills needed for success in life. Emphasis is given to fluency and decoding.
This course serves as a transition for students whose reading skills are continuing to develop.

Personal Math 1  1 Year
#020490 (year) S1 #020491  S2 #020492
Class open to grades 9-12.
Prerequisite: Student study team recommendation or instructor consent.
This course will aid the student in developing the math skills necessary for success in life. Emphasis is placed on practical application and re-mediation of basic math skills in the areas of whole numbers, fractions and decimals and applied math skills in the areas of money, measurement, time, and problem solving.

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Student Services

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* A class which earns college prep credit  ** This class earns college credit at LCC
Personal Math 2 1 Year
Year #020495 S1 #020493 S2 #020494
Class open to grades 9-12
Prerequisite: Student study team recommendation or instructor consent
This course will aid the student in developing basic computation skills in whole numbers, fractions and decimals. Emphasis is given to real world problem solving, money management and personal budgeting.

Pre-Algebra 1 Year
#020510(year) S1 #020511 S2 #020512
Prerequisite: Teacher recommendation
Class is open to grades 9-12, begins semester 1.
Students will earn an elective credit for Pre-Algebra, and three additional years of math credits will be required.
The course will aid the student in making the transition from computationally based elementary mathematics to more symbolically based algebra. Emphases of this course are mastering basic skills, ratios, percents, problem solving, signed numbers, order of operations, use of variables, estimation, patterns and functions, elementary geometry, review of whole numbers, fractions, and decimals
Students will have regular homework assignments as well as in-class assignments and projects. Calculators will not be used in this course.

Social Skills 1 Semester
S1 #222531 S1 #222533 S2 #222532 S2 #222534
Prerequisite: IEP Team Decision/ Recommendation
Class is open to grades 9-12 Students may begin this course either semester.
The course will, throughout the semester, cover various social skills, such as, learning to accept criticism, talking to others, respect, accepting consequences, controlling anger, good sportsmanship, working in groups, team building, emotions, community/employment and other important skills.
The student will, by the end of the year, will have learned the “Keys” of Friendship (the skills required to develop and maintain friendship). Each class will be structured into: Arrival, Social, Lesson, Practice, Structured Play, WrapUp, and Departure. There will be a homework assigned at specific times and may include: *Worksheets *On Going Tasks *Essays *Art Work
Major Outcomes: The class will be structured such that students will be given opportunities to express their growth and development through verbal, written and active assignments and tasks. The materials aligned and differentiated to meet the student’s IEP goals.

Work Experience 1 Semester
S1 #229993A S1 #229997A
S2 #229993B S2 #229997B
Prerequisite: Student Study Team Recommendation
Class is open to grades 9-12
Students may begin this course either semester.
The course will give a student access to vocational skills experience and preparing for employment. Instruction may be community-based.
The student will focus on these specific areas: knowing and exploring employment possibilities, exhibiting appropriate employment skills, skills for seeking, securing, and maintaining employment.

Youth Transition Program 1 Semester
S1 #229981 S2 #229982
YTP Bakery S1 #229981B S2 #229982B
YTP Work Experience S1 #229981W S2#229982W
Prerequisite: Instructor consent
Class open to grades 10-12 (eligible students age 16 and older) The YTP school to work class will assist students in developing their job readiness skills. The requirements for .5 credit will be: to demonstrate competencies and participate in all aspects of proper food handling and sanitation practices. Students are also required to study, test and obtain the food handlers card online before the end of the term. Each student will learn and practice basic job skill competencies related to the following areas: dependability, work attitudes and behaviors, relationships with others and work quality. Students will be provided job search assistance.

YTP – School to Work 1 Semester
S1 #229981 S2 #229982
Prerequisite: none
Class open to grades 10-12. (Students age 16 and older and JTPA eligible). Students participate in this opportunity outside of class time. The JTPA Program gives students an opportunity to complete a job-training booklet in conjunction with looking for a job. The require-ments for .5 credits will be:
1) Completion of the assigned job training booklet. This will take varied amounts of time de-pending on student ability.
2) A minimum of 5 hours per week will be spent completing the booklet and looking for a job. This time will be documented and random checks will be done with employers to assure student reliability.
A minimum of 65 semester hours will be spent working on job skill competencies. Credit will be determined by the school coordinator on the variable credit scale up to a maximum of .5 credits. Letter grade will be indicated by a Pass/No Pass. The student will be working with the JTPA school coordinator and obtaining the assistance necessary to complete the job training booklet. Each student will learn basic job skill competencies and be provi-ded job search assistance.
**World Languages**

<table>
<thead>
<tr>
<th>Course Title</th>
<th>Prerequisite</th>
<th>Grade</th>
<th>Repeat for Credit?</th>
<th>Credit</th>
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**Spanish 1**
#061010 (year)

1 Year

**German 1**
#062010 (year)

1 Year

**Spanish 2**
#061020 (year)

1 Year

**German 2**
#062020 (year)

1 Year

**Prerequisite:** none
Class open to grades 9-12.
Students must begin this course first semester.

The course will provide an opportunity for students to learn about the Spanish or German language and culture. Students will gain basic skills in four areas; listening, reading, writing and speaking.

The student will be able to communicate in the target language in limited situations such as ordering in a restaurant, daily greetings, talking about their classes, and family life. Emphasis will be on conversation in the present tenses.

**Prerequisite:** must pass first year course
Class open to grades 9-12.
Students must begin this course first semester.

The course will continue the development of the basic skills of speaking, listening, reading and writing of the language. The emphasis will be on increased oral proficiency, writing skills, and grammar development.

The student will further participate in the exploration of the culture with a larger range of thematic topics and an increased awareness of appropriate speech and the use of different verb tenses. The student is encouraged to continue to a third year of study.
**Spanish 3**  
1 Year  
#061110 (year)

*German 3*  
1 Year  
#062030 (year)

**Prerequisite:** passed 2nd Year of course. Students must begin this course first semester.  
The course will emphasize fluency in the language. The course will also further the student's appreciation of the culture. The class is conducted almost entirely in the target language.  
The student will do increased speaking and listening and independent reading and writing to improve communication skills.

**IB Spanish (4th Year)**  
1 Year  
#061119 (year)

**IB German**  
1 Year  
#062519 (year)

**Prerequisite:** must pass third year course. Class open to grades 10-12. Students must begin this course first semester.  
The course will offer continued study of the culture and language through reading, writing, speaking and listening. The class is conducted almost entirely in the language. Cultural instruction will have a more in depth focus on individual countries.  
The students will expand vocabulary and grammar knowledge and apply it in a variety of speaking and writing activities. Students will read/view and respond to literary and nonfiction texts, film, and art from the target culture. Students will have the opportunity to prepare for the IB exam.  
Due to the advanced level of the material, students who pass the course will receive a weighted grade.

**IB Spanish (5th Year)**  
1 Year  
Year #061117

**Prerequisite:** Passed 4th year Spanish  
Class open to grades 11-12  
**Students must** begin this course first semester.  
The course will offer continued study of the culture and language through reading, writing, speaking and listening.  
Due to the advanced level of the material, students who pass the course will receive a weighted grade.

**Spanish Placement for Heritage Speakers**

**Spanish 2:**  
Students who have the advantage of speaking Spanish at home should bypass Spanish 1 and go directly into Spanish 2.

Even if writing is challenging to heritage speakers their skills are usually far superior to students who have only had a year of Spanish in high school.

**Advanced placement for: Spanish Placement for Heritage Speakers**

**Spanish 3:**  
Heritage speakers of Spanish who have extensive experience reading and writing Spanish may qualify to go directly into Spanish 3 without taking Spanish as a prerequisite. To qualify for the class, students need the following:

◊ A grade point average of at least 3.5 in middle school or 3.0 in high school, to demonstrate strong study habits.

◊ A score of at least 80% on the Spanish 2 final exam. (Teachers will administer the exam upon request at the beginning of the year.)

◊ It is preferred, but not required, that students begin Spanish 3 as sophomores, but we do make exceptions for advanced students.

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**World Languages**

* A class which earns college prep credit  ** This class earns college credit at LCC

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### Leadership

**Course Title:** Leadership  
**Prerequisite:** Student Government Officer or instructor approval  
**Grade:** 9-12  
**Repeat for Credit?:** Yes  
**Credit:** 1  

**This course** focuses on developing the leadership potential and abilities of emerging and future student leaders. Students will have the opportunity to learn ways in which they can become successful leaders in their school and community. Various methods will be explored in the planning, implementing, and evaluating of projects related to school and community activities. Students will gain an understanding of practical leadership applications such as goal setting, effective communication skills, decision making, conflict resolution, promoting diversity, and evaluation.

Students may repeat class for credit. Maximum 4 credits.

### Off Campus

**Course Title:** Off Campus  
**Prerequisite:** None  
**Grade:** 9-12  
**Repeat for Credit?:** Yes  
**Credit:** .5

**The option will** provide the student with the opportunity to not have an assigned class at the beginning or end of the day. The student will be off campus during this period. **The student will** not remain on or near campus or loiter at the neighboring businesses during any off campus period.

### Peer Helper

**Course Title:** Peer Helper  
**Prerequisite:** Instructor approval  
**Grade:** 9-12  
**Repeat for Credit?:** Yes  
**Credit:** .5

**The course will** provide students with the opportunity to learn instructional and behavior management skills such as reinforcement, correcting errors and presenting instructional lessons. This is a good preview to Special Education or Human Services careers. **The student will** apply instructional and behavior management skills in the Basic Skills classroom. The course is designed to foster positive attitudes and awareness of persons who are disabled.

Student may repeat class for a maximum of 1 credit.

### Miscellaneous

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<th>Grade</th>
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* A class which earns college prep credit  
** This class earns college credit at LCC
Peer Tutoring 1 Semester
S1 #220541 S2 #220542
Prerequisite: Counselor or administrative approval. Class open to grades 11-12.
The Peer Tutor program enables students of junior or senior standing to provide academic support to freshmen. Peer tutors are placed in study halls, and work with students in specific subject areas or work as liaisons to help connect freshmen with teachers that can provide additional academic support, as needed.

Students will work in conjunction with study hall teachers to provide academic support for freshmen. Specific duties include tutoring students, facilitating students’ attendance of teachers’ personal assistance time, and providing support to help freshmen be academically successful.

Service Learning 1 Semester
S1 #221041 S2 #221042
Prerequisite: Instructor approval - Service Learning Coordinator. Class is open to grades 10-12. Student may begin this course either semester.
The course will be a planned program of volunteer service in our community (outside WHS, unless approved by an administrator) monitored by the Service Learning Coordinator. Maximum of 2 credits can be earned through this program. The student will complete a minimum of 60 hours per semester of community service, complete time cards and limited assignments. Students will be graded on a pass/no pass basis. Service Learning volunteer hours may not be dually used for other volunteer hours, such as NHS, IB, or Honor’s Diploma.

Student Assistant 1 Semester
Prerequisite: Department approval
Class is open to grades 10-12. Students may begin this course either semester.
The course will give the student the opportunity to work alongside an aide or secretary

to gain office experience. Students must obtain approval signatures from the secretary or aide and have the instructor consent form signed from the Counseling Center.
The student will receive a pass/no pass grade for the course. Student may repeat class one time for 1 credit maximum.

Study Hall Semester or Year
Prerequisite: none #220060 (either semester) S1 #220061 S2 #220062
Class open to grades 9-12
Students may begin this course either semester.
The course is a non-credit class designed to give students an opportunity to complete work in all other selected courses. A quiet study atmosphere will be maintained at all times.
The student will be prepared to work on class assignments during study hall on a daily basis.

Work Experience 1 & 2 Semester
Prerequisite: Must have a paid position for a business recognized by the state of Oregon. All positions must be pre-approved by the counseling center and Work Experience Coordinator. Class is open to grades 11-12 (Grade 10 with counselor approval).
WE1 Course description: Course is .5 credit per semester. Student may begin either semester.
Student will work independently to complete required hours and assignments. Students will need a minimum of 60 hours worked per semester. Student will be required to show WE Coordinator proof of employment and hours worked. Student will be graded on a pass/no pass basis.

WE2 Course description: Course is the same as WE1 except the following:
Class is 1.0 credit per semester and student must be dually enrolled in a correlating senior pathways course. Student must have counselor approval.
WE1 & WE2 may be repeated with a maximum of 2 total combined credits earned.

Work Experience 1
S1 #199981 S2 #199982
Work Experience 2
S1 #199983 S2 #199984

Course Numbers

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Miscellaneous

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