

**High School Course Catalog  
Oregon Charter Academy  
2022-2023**



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## Additional Resources

- [Dual Credit Student and Family Guide](#) - 2022-23 Offerings will be updated by August 2022 (no expected changes to the 21-22 guide).
- [NCAA Eligibility Guide](#) - Contact Administrator Matthew Bergdall if you have questions.
- [2022-23 Student Handbook](#)

# Language Arts

## Key

- H** Honors version of course available.
- P** Prerequisite credit required for registration.
- D** Dual credit through community college available.

**H\*** Honors option is also a dual credit option

## Subject Area Course Flow

Students earning a standard diploma will complete 4.0 credits (four years) of Language Arts. Students take the following courses in order from ninth to twelfth grade: Language Arts 9, Language Arts 10, Language Arts 11 and Language Arts 12. Students may take Honors, Advanced Placement or Foundations courses as substitutes.

### Language Arts 9<sup>H</sup> A/B

<b>Grades:</b>	9
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

English 9 builds upon students' prior knowledge of grammar, vocabulary, word usage, and the mechanics of writing and emphasizes the four aspects of language use: reading, writing, speaking, and listening. The course introduces and defines various genres and themes of literature, with writing exercises often linked to reading exercises.

### Language Arts 10<sup>H</sup> A/B

<b>Grades:</b>	10
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

English 10 offers a balanced focus on composition and literature. Students may learn about the alternate aims and audiences of written compositions by writing persuasive, critical, and creative multi-paragraph essays and compositions. Through the study of various genres of literature, students improve their reading rate and comprehension and develop the skills to determine the author's intent and theme and to recognize the techniques used by the author to deliver their message.

### Language Arts 11<sup>H\*</sup> A/B

<b>Grades:</b>	11
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

English 11 continues to develop students' writing skills, emphasizing clear, logical writing patterns, word choice, and usage, as students write essays and begin to learn the techniques of writing research papers. Students continue to read works of literature by a diverse, representative set of voices, which may form the backbone of the writing assignments. Literary conventions and stylistic devices may receive greater emphasis than in previous courses.

### Language Arts 12<sup>H\*</sup> A/B

<b>Grades:</b>	12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

English 12 blends composition and literature into a cohesive whole as students write critical and comparative analyses of selected literature, continuing to develop their language arts skills. Typically, students primarily write multi-paragraph essays, but they may also write one or more major research papers.

## AP Language & Composition<sup>P</sup> A/B

Grades:	12
Credits:	1.0
Prerequisites:	ELA 10, A level work or counselor approval. Highly recommended but not required to take AP Literature before AP Language.
Offered:	Two Semesters

Taken after AP Literature and following the College Board’s suggested curriculum designed to parallel college-level English courses, AP Language and Composition exposes students to prose written in a variety of periods, disciplines, and rhetorical contexts. The course emphasizes the interaction of authorial purpose, intended audience, and the subject at hand, and through them, students learn to develop stylistic flexibility as they write compositions covering a variety of subjects that are intended for various purposes.

## AP Literature & Composition<sup>P</sup> A/B

Grades:	11
Credits:	1.0
Prerequisites:	ELA 10, A level work or counselor approval
Offered:	Two Semesters

Taken before AP Language and following the College Board’s suggested curriculum designed to parallel college-level English courses, AP English Literature and Composition enables students to develop critical standards for evaluating literature. Students study the language, character, action, and theme in works of recognized literary merit; enrich their understanding of connotation, metaphor, irony, syntax, and tone; and write compositions of their own (including literary analysis, exposition, argument, narrative, and creative writing).

## Language Arts 9 Foundations A/B

Grades:	9, 10, 11, 12
Credits:	1.0
Prerequisites:	None
Offered:	Two Semesters

See Description for English 9. Foundations level English accomplishes the same goals but with extra emphasis placed on foundational literacy skills.

## Language Arts 10 Foundations A/B

Grades:	9, 10, 11, 12
Credits:	1.0
Prerequisites:	None
Offered:	Two Semesters

See Description for English 10. Foundations level English accomplishes the same goals but with extra emphasis placed on foundational literacy skills.

## Language Arts 11 Foundations A/B

Grades:	9, 10, 11, 12
Credits:	1.0
Prerequisites:	None
Offered:	Two Semesters

See Description for English 11. Foundations level English accomplishes the same goals but with extra emphasis placed on foundational literacy skills.

## Language Arts 12 Foundations A/B

Grades:	9, 10, 11, 12
Credits:	1.0
Prerequisites:	None
Offered:	Two Semesters

See Description for English 12. Foundations level English accomplishes the same goals but with extra emphasis placed on foundational literacy skills.

# Mathematics

## Key

**H** Honors version of course available.

**P** Prerequisite credit required for registration.

**D** Dual credit through community college available.

**H\*** Honors option is also a dual credit option

**A\*** ASCEND Pathway course open for all students

## Subject Area Course Flow

Students earning a standard diploma will complete at least 3.0 credits of Mathematics at or above Algebra 1. All students typically take Algebra 1 and Geometry, then choose separate math classes for fulfilling requirements or goals. Students may take Honors or Advanced Placement where available.

### Algebra 1<sup>H</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Algebra I courses include the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first-degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations.

### Integrated Math 1A/1B<sup>H\*A^</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None; fulfills CTE Pathway requirement of Algebra 1.
<b>Offered:</b>	Two Semesters; B semester offered for Dual Credit

This course automatically qualifies as an honors course. Studying the same concepts and standards as Algebra I, this course focuses on financial and business applications of mathematics within Algebra I. The course may also integrate in introductory concepts of Geometry. It emphasizes the use of mathematics to model and explore financial phenomena including interpreting and justifying reasoning to make data-supported financial decisions using algebra and probability and statistics to solve problems occurring in everyday life. Inquiry-based problem units involving discretionary

and essential expenses, independent living, employment, modeling a business, investing, credit, banking and mortgages.

### Algebra 1A Parts 1 & 2

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

The first part in a multipart sequence of Algebra I. This course generally covers the same topics as the first semester of Algebra I, including the study of properties of rational numbers (i.e., number theory), ratio, proportion, and estimation, exponents and radicals, the rectangular coordinate system, sets and logic, formulas, and solving first-degree equations and inequalities.

### Algebra 1B Parts 1 & 2

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra 1A
<b>Offered:</b>	Two Semesters

The second part in a multipart sequence of Algebra I. This course generally covers the same topics as the second semester of Algebra I, including the study of properties of the real number system and operations, evaluating rational algebraic expressions, solving and graphing first-degree equations and inequalities, translating word problems into equations, operations with and factoring of polynomials, and solving simple quadratics.

## Geometry<sup>H</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra I
<b>Offered:</b>	Two Semesters

Geometry emphasizes an abstract, formal approach to the study of geometry. The course tends to focus on topics such as properties of plane and solid figures; deductive methods of reasoning and use of logic; geometry as an axiomatic system including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; rules or properties of triangles; and angle measurement in triangles.

## *New!* Integrated Math 2A/2B<sup>H\*A^</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Integrated Math 1 A/B
<b>Offered:</b>	Two Semesters

This course automatically qualifies as an honors course. Studying the same concepts and standards as Geometry and some Algebra 2, this course focuses on financial and business applications of mathematics within algebra, geometry and data science.

## Integrated Mathematical Applications A<sup>D</sup>/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra I, Geometry
<b>Offered:</b>	Two Semesters

Integrated Mathematical Applications is intended for students beyond Algebra I and Geometry but not wishing to study Algebra II. This course emphasizes proficiency in skills and applications of skills. The skills tend to include: number operations, algebra, geometry, statistics, and probability. The applications tend to focus on realistic, applicable problems in our world.

## Algebra 2<sup>H</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra I, Geometry
<b>Offered:</b>	Two Semesters

Algebra II course topics may include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher-degree equations; and operations with rational and irrational exponents.

## Precalculus<sup>D</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra 2
<b>Offered:</b>	Two Semesters

Precalculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Mathematical Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.

## Statistics<sup>P</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra 2
<b>Offered:</b>	Two Semesters

This course introduces the study of likely events and the analysis, interpretation, and presentation of quantitative data. Course topics generally include basic probability and statistics: discrete probability theory, odds and probabilities, probability trees, populations and samples, frequency tables, measures of central tendency, and presentation of data (including graphs). Course topics may also include normal distribution and measures of variability.

## AP Calculus<sup>DP</sup> AB

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Precalculus, A level work and/or counselor/instructor approval
<b>Offered:</b>	Two Semesters

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: functions, graphs, limits, and continuity; differential calculus (including definition, application, and computation of the derivative; derivative at a point; derivative as a function; and second derivatives); and integral calculus (including definite integrals and antidifferentiation).

## AP Statistics<sup>DP</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Precalculus, A level work and/or counselor/instructor approval
<b>Offered:</b>	Two Semesters

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

Math 111<sup>DPA\*</sup>

Grades:	11, 12
Credits:	0.5
Prerequisites:	Integrated Math 2A/2B or Algebra 2
Offered:	One Semester

This college level Algebra course introduces graphs and functions (linear, quadratic, polynomial, rational, exponential and logarithmic) using a graphing calculator. This is a precalculus course. Students will model and solve applied, theoretical mathematical, real-world problems related to various ASCEND pathways requiring the solution of linear, quadratic, polynomial, rational, exponential, and logarithmic functions. Graphing calculator required. TI-83 or TI-84 recommended. ASCEND students only

Math 112<sup>DPA\*</sup>

Grades:	11, 12
Credits:	0.5
Prerequisites:	Math 111
Offered:	One Semesters

This college level trigonometry course examines the theoretical, applied, and real-world mathematical implications related to various ASCEND pathways of the trigonometric functions. The symbolic, numerical, and graphical representations of these functions and their applications form the core of the course. This course emphasizes solving problems symbolically, numerically and graphically and understanding the connections among these methods in interpreting and analyzing results. Graphing calculator required. TI-83 or TI-84 recommended.



# Science

## Key

- H** Honors version of course available.
- P** Prerequisite credit required for registration.
- D** Dual credit through community college available.

- H\*** Honors option is also a dual credit option
- L** Fulfills lab science requirement

## Subject Area Course Flow

Students earning a standard diploma will complete at least 3.0 credits of Science, at least 2.0 of which are Lab (L) Science. All students typically take Physics 1 (Physical Science prior to 2021-22), Biology, and either Environmental Science or Chemistry in their first three years. Students may take additional science electives. Students may take Honors or Advanced Placement where available.

### Physics I (Physical Science)<sup>LH</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Physics explores how different types of energy and forces make everything in the universe work. Examine the people, sports, animals and machines around you to explain how energy can be transferred in motion, temperature change, chemical bonds, waves and electricity.

### Environmental Science<sup>L</sup> A/B

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Examine how humans influence our natural environment. Learn how all life on earth is connected. Consider how our choices have both direct and indirect impacts on Earth and the species that live upon it. Learn about how we can all contribute to a more prosperous and sustainable planet for all of its inhabitants.

### Biology<sup>LH</sup> A/B

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Biology is the study of life and life processes. Semester 1 will focus on life at the cellular level with topics such as: cell biology, photosynthesis & cellular respiration, protein synthesis, genetics, inheritance and biotechnology. Semester 2 will look at life on a larger scale with topics such as: living things, evolution, population genetics, ecology and human impact on the environment.

### Chemistry<sup>LHP</sup> A/B

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Algebra I, Physics I
<b>Offered:</b>	Two Semesters

Chemistry involves studying the composition, properties, and reactions of substances. This includes such concepts as: the behaviors of solids, liquids, and gases; acid/base and oxidation/reduction reactions; and atomic structure. Chemical formulas and equations and nuclear reactions are also studied.

## Physics II (Upper level Physics)<sup>LP</sup> A/B

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Passed or taking concurrently Algebra 2
<b>Offered:</b>	Two Semesters

Physics involves the study of the forces and laws of nature affecting matter, such as equilibrium, motion, momentum, and the relationships between matter and energy. The study of physics includes examination of sound, light, and magnetic and electric phenomena.

## Anatomy & Physiology<sup>DPL</sup> A/B

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0 (Lab); 1.0 (NCAA non-lab only)
<b>Prerequisites:</b>	Biology
<b>Offered:</b>	Two Semesters

Anatomy and Physiology introduces students to basic anatomy and physiology of animals with an emphasis on humans. Focus is placed on tissues, organs, organ systems, and how they function together to maintain human health. Students learn the integration of human body systems and factors that influence human homeostasis. The systems covered in Part A include the integumentary, circulatory, respiratory, digestive and excretory Systems. The systems covered in Part B include the endocrine, nervous, skeletal, muscular, immune and reproductive systems.

## Astronomy<sup>L</sup>

<b>Grades:</b>	11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Algebra I, Physics I
<b>Offered:</b>	One Semester

Astronomy offers students the opportunity to study the solar system, stars, galaxies, and interstellar bodies. Topics may include: introduction and use of astronomical instruments and typically exploration of theories regarding the origin and evolution of the universe, space, and time.

## Marine Science

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Explore the science of marine ecosystems. This class examines the oceans and its organisms to discover the adaptations, interactions, and processes that help organisms survive in this unique environment. Learn how the ocean acts as a global conveyor of nutrients, water, and air. Explore the dynamic relationship between humans and the ocean to discover what we can do to protect this essential global resource.

## AP Biology A/B<sup>P</sup>

<b>Grades:</b>	11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Biology, A level work and/or counselor/instructor approval
<b>Offered:</b>	Two Semesters

Biology is the study of life and life processes. This is an Advanced Placement (AP) Biology course designed to meet the learning objectives and science practices outlined by the College Board, which will prepare students for the AP Environmental Science exam.

## AP Environmental Science A/B<sup>P</sup>

<b>Grades:</b>	11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Biology, A level work and/or counselor/instructor approval
<b>Offered:</b>	Two Semesters

Examine how humans influence our natural environment. Consider how our choices have both direct and indirect impacts on Earth and the species that live upon it. This is an Advanced Placement (AP) Environmental Science course designed to meet the learning objectives and science practices outlined by the College Board, which will prepare students for the AP Environmental Science exam.

# Social Studies

## Key

**H** Honors version of course available.

**P** Prerequisite credit required for registration.

**D** Dual credit through community college available.

**H\*** Honors option is also a dual credit option

## Subject Area Course Flow

Students earning a standard diploma will complete at least 3.0 credits of Social Studies. All students must take: World Studies, U.S. History, and American Government & Economics. Other courses may be taken as electives. Students may take Honors or Advanced Placement where available.

### World Studies<sup>H</sup> A/B

<b>Grades:</b>	9
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course equips students with an understanding of the constraints and possibilities that the physical environment places on human development throughout the world. The course may include discussion of the physical landscape through geomorphology and topography, the patterns and processes of climate and weather, and natural resources and how they impact the cultural and human development of the region.

### World History<sup>H</sup> A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course provides students with an overview of the history of human society from early civilization to the contemporary period, examining political, economic, social, religious, military, scientific, and cultural developments. The course may include geographical studies, but often these components are not as thoroughly taught as in World Studies.

### U.S. History<sup>H\*</sup> A/B

<b>Grades:</b>	11
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course provides students with an overview of the history of the United States, examining time periods from discovery or colonialism through World War II or after. The course typically includes a historical overview of political, military, scientific, and social developments. Course content may also include a history of the North American peoples before European settlement.

### American Government & Economics<sup>H</sup> A/B

<b>Grades:</b>	12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Fall* / Spring *Fall term covers Civics and fulfills the 0.5 Civics credit requirement.

This course combines a study of the structure of national, state, and local U.S. government with an overview of the principles of market economics. Course content may include contemporary U.S. issues. This course prepares students to perform effectively as informed citizens.

## Personal & Family Finance A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Pre-algebra
<b>Offered:</b>	Two Semesters

This course provides students with an understanding of the concepts and principles involved in managing one's personal finances. Emphasis may be on: lifespan goal-setting, individual and family decision making, and consumer rights as well as topics that are commonly associated with personal finance so that one can become a financially responsible consumer. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. The course may also investigate the effects of the global economy on consumers and the family.

## Psychology A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course introduces students to the study of individual human behavior. Course content typically includes (but is not limited to) an overview of the field of psychology, topics in human growth and development, personality and behavior, and abnormal psychology.

## Sociology: Introduction to Sociology

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course introduces students to the study of human behavior in society. It provides an overview of sociology, generally including (but not limited to) topics such as: social institutions and norms, socialization and social change, and the relationships among individuals and groups in society.

## AP U.S. History<sup>D</sup> A/B

<b>Grades:</b>	11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Gov't and Econ, A level work and/or counselor/instructor approval.
<b>Offered:</b>	Two Semesters

Following the College Board's suggested curriculum designed to parallel college-level U.S. History courses, AP U.S. History provides students with the analytical skills and factual knowledge necessary to address critical problems and materials in U.S. history. Students learn to assess historical materials and to weigh the evidence and interpretations presented in historical scholarship. The course examines the discovery and settlement of the New World through the recent past.

# Career Education

## Key

- H** Honors version of course available.
- P** Prerequisite credit required for registration.
- D** Dual credit through community college available.

## Subject Area Course Flow

Students earning a standard diploma will complete 1.0 credit. All students will complete the Senior Project and Job Shadow course in twelfth grade. All students will complete a level of Career Education (1, 2, 3 or 4) at their grade level, cumulatively adding to 0.5 credits.

### Career Education 1, 2, 3 & 4

Grades:	9, 10, 11, 12
Credits:	0.5 (.125 cr/yr)
Prerequisites:	None
Offered:	Fall/Spring

These required courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. Taken over the course of high school, the course exposes students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

### Senior Capstone

Grades:	12
Credits:	0.5
Prerequisites:	None
Offered:	One Semester

This required course encourages students to reflect on and apply the knowledge and skills learned throughout their school experience, as well as the personal characteristics and career information gathered in Career Ed 1-4 in the context of their personal career interests and post-high school goals. This course may include classroom activities, further graduation and post-grad-related tasks, study of the selected career field or discussion regarding experiences that students encounter in the workplace.

# Health and Physical Education

## Key

- H** Honors version of course available.
- P** Prerequisite credit required for registration.
- D** Dual credit through community college available.

## Subject Area Course Flow

Students earning a standard diploma will complete 1.0 credit of Physical Education and 1.0 credit of Health. These two courses are typically taken, in some order, during ninth and tenth grade.

### Physical Education A/B

<b>Grades:</b>	9, 10
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Physical Education provides students with knowledge, experience, and an opportunity to develop skills in various sports or activities with the aims to develop individual lifelong fitness habits: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

### Health, Fitness, and Nutrition A/B

<b>Grades:</b>	9, 10
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course combines the topics of Health Education (nutrition, stress management, substance abuse prevention, disease prevention, first aid, and so on) with an active fitness component (typically including aerobic activity and fitness circuits) with the intention of conveying the importance of life-long wellness habits.

# The Arts, World Languages and CTE

## Key

**H** Honors version of course available.

**P** Prerequisite credit required for registration.

**D** Dual credit through community college available.

**H\*** Honors option is also a dual credit option

**A\*** ASCEND Pathway course available to all students.

## Subject Area Course Flow

Students earning a standard diploma will complete 3.0 credits in this category and may choose based on their interests, academic goals or postsecondary goals.

### Art History

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Art History introduces students to significant works of art, artists, and artistic movements that have shaped the world and influenced or reflected various periods of history. The course may emphasize the sequential evolution of art forms, techniques, symbols, and themes. Art History may also develop an understanding of art in relation to social, cultural, political, and historical events throughout the world, while covering multiple artists, aesthetic issues, and the evolution of art.

### Art in World Cultures

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course introduces students to the study of and foundation for many forms of art throughout the world and its cultures. The course helps students form an aesthetic framework to examine social, political, and historical events in the world and cultures and how visual images express the ideas of individuals and such cultures.

### Digital Photography A/B

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Introduction to Photography
<b>Offered:</b>	Two Semesters

This course explores the creative and conceptual aspects of designing and producing digital imagery, graphics, and photography. Students study the techniques, genres, and styles from multiple mediums and forms. Topics may include: aesthetic meaning, appreciation and analysis; composing, capturing, processing, and programming of imagery and graphical information; their transmission, distribution, and marketing; and contextual, cultural and historical aspects and considerations.

### Graphic Design & Illustration A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course emphasizes applying fundamental processes of artistic expression through the exploration of the purposeful arrangement of images, symbols, and text to communicate a message. Studies may include investigations of how technology influences the creation of graphic and digital designs and study historical and contemporary visual communications design. Students learn the process of responding to their own art and that of others through analysis, critique, and interpretation for the purpose of reflecting on and refining work.

## History of Music

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

History of Music is an overview of music history. Topics include music from the Middle Ages, Renaissance, Baroque, Classical and Romantic periods. Also covered are music from the 20th and 21st centuries, American popular music, and world music. The stories of musical figures and their roles as composers, performers and innovators will be discussed with an emphasis on the effects of society, culture and technology on music.

## *New!* Introduction to Photography

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course builds a foundational understanding of the creative and conceptual aspects of designing and producing digital imagery, graphics, and photography. Students study the techniques, genres, and styles from multiple mediums and forms. This course is meant to prepare students for Digital Photography A/B.

## Journalism

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course emphasizes writing style and technique as well as production values and organization. It introduces students to the concepts of newsworthiness and press responsibility; develops students' skills in writing and editing stories, headlines, and captions; and teaches students the principles of production design, layout, and printing. Photography, photojournalism, and digital technology skills may be included.

## Music Appreciation

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course provides students with an understanding of music and its importance in their lives. Course content focuses on how various styles of music apply musical elements to create an expressive or aesthetic impact. Students may also have the ability for informal music performance and creation within the classroom.

## Theater, Film, and Cinema Production

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course provides an overview of the production of theater, film, and cinema artwork. It may include--but not be limited to--topics such as: an overview of theatrical or film elements including acting, set design, stage management, directing, playwriting, and production.

## Spanish I A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Designed to introduce students to Spanish language and culture, Spanish I prepares students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. It introduces the relationships among the products, practices, and perspectives of Spanish-speaking cultures.



## Spanish II A/B<sup>D</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Spanish I
<b>Offered:</b>	Two Semesters

Spanish II builds upon skills developed in Spanish I, preparing students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics. Spanish II introduces the relationships among the products, practices, and perspectives of Spanish-speaking cultures.

## Spanish III A/B<sup>D</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Spanish II
<b>Offered:</b>	Two Semesters

Spanish III prepares students to communicate authentically in Spanish by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information, concepts, and ideas on a variety of topics, including connections to other subject areas. It expands students' knowledge of relationships among the products, practices, and perspectives of Spanish-speaking countries and cultures.

## French I A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Designed to introduce students to French language and culture, French I prepares students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on a variety of topics. It introduces the relationships among the products, practices, and perspectives of French-speaking cultures.

## French II A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	French I
<b>Offered:</b>	Two Semesters

French II builds upon skills developed in French I, preparing students to communicate authentically in French by interpreting (reading, listening, viewing), exchanging (speaking and listening; reading and writing), and presenting (speaking, writing) information on concrete topics.

## American Sign Language I A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

Designed to introduce students to American Sign Language language and culture, American Sign Language I prepares students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on a variety of topics. It introduces the relationship among the practices, perspectives, and cultures of deaf people and communities.

## American Sign Language II A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	American Sign Language I
<b>Offered:</b>	Two Semesters

American Sign Language II builds upon skills developed in American Sign Language I, preparing students to communicate authentically in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics. It introduces the relationship among the practices, perspectives, and cultures of deaf people and communities.

## New! American Sign Language III A/B

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	American Sign Language II
<b>Offered:</b>	Two Semesters

American Sign Language III builds upon skills developed in American Sign Language I&II, preparing students to communicate authentically and fluently in American Sign Language by interpreting (reading/viewing), exchanging (signing and reading), and presenting (signing) information on concrete topics.

## Animal Diseases and Parasites<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

The Animal Diseases and Parasites course will provide an overview of the diagnosis, symptoms, treatments, and prevention of common animal diseases and parasites. Students will learn how physiological, nutritional and morphological defects, along with external variables, can affect animals and make them more susceptible to these diseases or parasites.

## Business Communication<sup>PA\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Digital Literacy
<b>Offered:</b>	One Semester

Students will learn to use effective skills to prepare for a business career. Topics include written, verbal and social communication, specific issues within business & career focused communication and personal finance. Open to all ORCA students.

## Child Safety and Nutrition<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course examines the basic physical, psychological, and emotional needs of children from birth to 8 years of age. Topics include: recognizing child abuse and neglect, first aid, emergency response, basic nutrition, and creating healthy learning environments.

## Computer Science 1A/1B<sup>PA\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Standard Algebra I (concurrent) or Instructor Approval
<b>Offered:</b>	Two Semesters

Students will learn the foundational skills of Computer Science. They will explore the role technology plays in our lives as well as study the fundamentals of computer science, review hardware and software, and learn how the internet functions. Students will understand: what computer science is and the basics of the python programming language, the differences between web development and web application development, software engineering concepts, and security, privacy, and ethics in technology.

## Cyber Security A/B<sup>PA\*</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Computer Science B
<b>Offered:</b>	Two Semesters

This is a year-long course. You will learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You'll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity. See the ASCEND catalog on the [website for a more](#) detailed description.

## Digital Literacy<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Students will focus on learning how to be effective in the digital environment utilizing Google and Canvas tools and gain other knowledge and ability to use computers and technology efficiently in the 21st century. Understanding the roles of digital citizenship and responsibility and proper utilization of electronic tools for organization and time management are discussed in this course. Notes: this fulfills CTE credit for students in the ASCEND-Business & Management and the Computer Science pathway.

## Family Relationships<sup>A\*</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Intro to Education or Child Safety & Nutrition
<b>Offered:</b>	One Semester

This course examines communication patterns and relationships between adults as well as children and adults. Topics include: understanding the role of the family unit, personality development, proactive communication techniques, and the impact of special issues on interpersonal relationships.

## Intro to Game Design A/B<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This year-long course explores the creative, technical and conceptual aspects of designing and producing interactive game experiences and products. Students will learn the creative, technical, and conceptual aspects of designing and producing interactive game experiences and products. Students will gain experiences with development using Construct3 which will prepare for future game development environments, terminology, or courses.

## Healthcare Career Exploration<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This exploratory class will introduce students to a variety of health care careers while providing an introduction to core health science content and terminology. We will explore five career pathways: health informatics, therapeutic services, diagnostic services, support services, and biotechnology research and development. Not all healthcare careers require you to work directly with patients - come learn about all the different options!

## Health Science Education 1 A/B<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This introductory course presents information and terminology for health science careers. This course will focus on healthcare systems and delivery, safety and infection control, disease classification, health and wellness, first aid, professional communication, and documentation.

## Introduction to Animal Careers<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

The Introduction to Animal Careers course will provide an in-depth look at the various careers available in the animal field. Students will explore the career pathway and learn about the educational and work experience requirements and skills needed to be successful in these careers working with animals.

## Intro to Education<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course provides a foundational understanding of education as a profession. Topics include: current trends and issues, program types, popular educational theories and theorists, working with families, and state licensing regulations for both K-12 schools and early learning centers.

## Intro to Hospitality and Tourism<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Where is your dream travel destination? Now imagine working there! You'll be introduced to a thriving industry that caters to the needs of travelers through managing hotels, restaurants, cruise ships, resorts, theme parks, and any other kind of hospitality you can imagine. Operating busy tourist locations, creating marketing around leisure and travel, spotting trends, and planning events are just a few of the key aspects you will explore within this exciting field.

## Medical Law and Ethics<sup>A\*</sup>

<b>Grades:</b>	11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Medical Law and Ethics begins by introducing students to the historical crimes that lead to the creation of formal bioethic codes, including The Nuremberg Code and The Belmont Report. Students will read these codes and learn how to apply the four principles of bioethics — beneficence, nonmaleficence, justice, and autonomy — to a variety of clinical case studies. We will also discuss legal and professional rights and responsibilities within healthcare settings. Other topics include tort law, HIPAA, Medicare, Medicaid, and the Affordable Care Act.

## Medical Terminology A/B<sup>A\*D</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

In part A, students will learn the meaning of medical terms by learning how to break down medical words into their prefixes, suffixes, and roots. This class is ordered by body systems, including the Skeletal System, Muscular System; Integumentary System; Blood, Lymphatic, and Immune Systems; Cardiovascular System; and Respiratory System. Students will learn about human diseases, diagnostic tools, and treatments as they relate to each body system covered this term. In part B, students will continue to learn the meaning of medical terms. Students will learn about human diseases, diagnostic tools, and treatments as they relate to each body system covered this term. Some body systems covered this term include Special Senses (Eyes and Ears), Endocrine System, Urinary System, and Reproductive Systems.

## Preschool Child Development<sup>A\*</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Intro to Ed or Child Safety & Nutrition
<b>Offered:</b>	One Semester

This course explores typical and atypical development in children from 3 to 6 years of age. Topics include: physical, emotional, social, and intellectual development; cultural and environmental influences; application of knowledge to center and/or school environments, and current research.

## Prenatal, Infant and Toddler Development<sup>PA\*</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Intro to Ed or Child Safety & Nutrition
<b>Offered:</b>	One Semester

This course explores typical and atypical development in children from the prenatal period to 2 years of age. Topics include: physical, emotional, social, and intellectual development; cultural and environmental influences; application of knowledge to center and/or home environments, and current research.

## Principles of Marketing<sup>A\*</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This class is designed to give you a foundational understanding of the principles of marketing and an introduction to social media marketing via a real life social media simulation. Class content will help prepare you for further studies in the field of marketing. Use the digital textbook and other materials to become more familiar with what marketing is, how marketing influences business decisions and consumer actions, and how to use principles of marketing to present yourself as you build a professional profile.

## Principles of Business, Marketing and Finance<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

You will expand your knowledge of the basics to explore advanced topics, such as marketing strategy, banking and investments. Finally, examine employability skills and careers in business, finance, and marketing as well as various entrepreneurship opportunities.

## Python Programming A/B<sup>DPA\*</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Computer Science B
<b>Offered:</b>	Two Semesters

An application programming class enhancing basic computer programming skills, design, planning, and implementation learning the python programming language. A. Students will be able to work on collaborative projects and labs that create the relationship between hardware and python programming. They will learn how python applies to dictionaries, objects, tuples and databases. B. Continuing python programming class A enhancing basic computer to intermediate programming skills, design, planning, and implementation. Learning that python programming as it applies to dictionaries, objects, tuples, and databases.

## Sports Management<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course provides students with a thorough understanding of fundamental marketing and management concepts and theories as they relate to the sports or entertainment industries. Content may address some — but not limited to — topics such as: promotion of sports/events, licensing, sponsorship and endorsements, branding, marketing research, product development, pricing and distribution strategies, sales, event planning and the role of existing and emerging technologies. Open to all ORCA students.

## Web Technologies<sup>A\*</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Students will start a journey toward mastering three essential development tools: HTML, CSS, and JavaScript, learning about the key components to create a web page. Students will utilize these skills to develop their own web page.

# General Electives

## Key

**H** Honors version of course available.

**P** Prerequisite credit required for registration.

**D** Dual credit through community college available.

**A\*** Qualifies as ASCEND Pathway course, open for all students

## Subject Area Course Flow

Students earning a standard diploma will complete at least 5.0 credits in this category and may choose based on their interests, academic goals or postsecondary goals. General Electives for other ASCEND pathway elective offerings, marked with **A\***. Courses in other subject areas beyond the requirements (Language Arts, Mathematics, Science, Social Studies, Arts, World Languages and CTE) may be applied to this category.

### New! American & International Team Sports

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course explores and applies physical education and health concepts through the lens of team sports in American & various international cultures.

### AVID 9 A/B

<b>Grades:</b>	9
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Approved Application
<b>Offered:</b>	Two Semesters

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the course offers activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

### AVID 10 A/B

<b>Grades:</b>	10
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Approved Application
<b>Offered:</b>	Two Semesters

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the course offers activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

### AVID 11 A/B

<b>Grades:</b>	11
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Approved Application
<b>Offered:</b>	Two Semesters

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the course offers activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

## AVID 12 A/B

<b>Grades:</b>	12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Approved Application
<b>Offered:</b>	Two Semesters

AVID courses encourage students to pursue college readiness (and eventual enrollment). Typically, the course offers activities that enable students to learn organizational and study skills, enhance their critical thinking skills, receive academic assistance as necessary, and be motivated to aspire to college education.

## Criminology: Inside the Criminal Mind

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course trains students to understand and apply the principles and procedures essential to the overall U.S. criminal justice system. Course topics vary and may include, but are not limited to, structure, history and philosophy of the federal, state, county, and municipal court systems; judicial appointment processes; arrest-to-sentencing sequences; laboratory, forensic, and trial procedure; probation and parole; state and federal correctional facilities; and system interrelationships with law enforcement agencies.

## New! Foods and Cooking

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Nutrition & Foods
<b>Offered:</b>	One Semester

Meant to accompany or follow Nutrition and Foods, this course assists students in understanding the role of nutrition in foods and cooking, with an emphasis placed on life skills and relevant application. Demonstrations through Live Class and guided instruction are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to understand the structure and function of all the essential nutrients, plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

## Forensic Science

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Forensic Science provides an overview of the theoretical understanding and practical application of forensic science techniques. The course may explore the applied science and the fields of biology, chemistry, physics, and crime science investigation. Topics covered may include: genetics, anthropology, toxicology, entomology, ballistics, pathology, computer forensics, fire debris and trace evidence among other relevant, topical topics.

## High School Success

<b>Grades:</b>	9
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Taken during ninth grade, this course builds student skills for success in high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include reading improvement skills, such as scanning, note-taking, and outlining; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The course may also include exercises designed to generate organized, logical thinking and writing.

## Introduction to Criminal Justice

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course trains students to understand and apply the principles and procedures essential to the overall U.S. criminal justice system. Topics may include, but are not limited to: structure, history and philosophy of the federal, state, county, and municipal court systems; judicial appointment processes; arrest-to-sentencing sequences; laboratory, forensic, and trial procedure; probation and parole; state and federal correctional facilities; and system interrelationships with law enforcement agencies.



## Nutrition and Foods

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Health, Fitness and Nutrition A & B
<b>Offered:</b>	One Semester

Nutrition and Foods assists students in understanding the role of nutrition in health and wellness. Demonstrations through Live Class and guided instruction are used throughout the course. Ultimately, students will be given the opportunity to have the necessary skills to understand the structure and function of all the essential nutrients, plan, purchase and prepare nourishing meals and to evaluate and improve their day-to-day food choices.

## Social Media

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Social Media exposes students to various types of social media and how social media has influenced society. It may emphasize the forms, functions, regulations, implications, and utilization of social media.

## Sociology: Your Social Life

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

This course examines a particular topic in sociology--the individual in society--rather than provide an overview of the field of sociology.

## Study Skills and Strategies

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	None
<b>Offered:</b>	One Semester

Study Skills prepares students for success during high school and/or for postsecondary education. Course topics may vary according to the students involved, but typically include: reading improvement skills; library and research skills; listening and note-taking; vocabulary skills; and test-taking skills. The courses may also include developing skills to generate organized, logical thinking and writing.

## Workplace Experience A/B

<b>Grades:</b>	12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Two Semesters

This course offers students to earn high school credit while simultaneously gaining work experience in an occupation of their choice. Please discuss this option with your counselor or advisor if interested.



# Other

## Key

- H** Honors version of course available.
- P** Prerequisite credit required for registration.
- D** Dual credit through community college available.

## English as a Second Language, 9-12

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	
<b>Prerequisites:</b>	None
<b>Offered:</b>	All Year

English as a Second Language (ESL) is designed for the acquisition and rapid mastery of the English language, focusing on reading, writing, speaking, and listening skills. It usually begins with extensive listening and speaking practice, building on auditory and oral skills, and then moves on to reading and writing. These courses provide an explanation of basic structures of the English language, enabling students to progress from an elementary understanding of English words and verb tenses to a more comprehensive grasp of various formal and informal styles and then to advance to “regular” English courses. ESL classes may also include an orientation to the customs and culture of the diverse population in the United States.

## ACES Language Arts

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	
<b>Prerequisites:</b>	None
<b>Offered:</b>	All Year

Alternative Certificate courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

## ACES Mathematics

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	
<b>Prerequisites:</b>	None
<b>Offered:</b>	All Year

Alternative Certificate courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

## ACES Skills for Success

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	
<b>Prerequisites:</b>	None
<b>Offered:</b>	All Year

Alternative Certificate courses provide students with information about a wide range of subjects to assist them in becoming wise consumers and productive adults. These courses often emphasize process skills, including goal-setting, decision making, and other topics such as the setting of priorities, money and time management, interpersonal relationships, and the development of the self. Additionally, specific topics such as wellness, selecting and furnishing houses, meeting transportation needs, nutrition, preparing food, selecting clothing and building a wardrobe, insurance, taxation, and consumer protection may also be covered.

# ASCEND-Specific Pathway Courses

## Key

- H** Honors version of course available.
- P** Prerequisite credit required for registration.
- D** Dual credit through community college available.

- H\*** Honors option is also a dual credit option
- L** Fulfills lab science requirement
- A^** ASCEND (CTE) Pathway students only
- A\*** ASCEND Pathway course open for all students

## Subject Area Course Flow

This section lists courses open only for ASCEND students. Please see General Electives for other ASCEND pathway elective offerings, marked with **A\***. **For detailed ASCEND Course Catalog and Pathway Descriptions please see the [ASCEND course catalog](#).**

### Computer Science Work-Based Learning<sup>PA^</sup>

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	IT Fundamentals
<b>Offered:</b>	One Semester

This is the final course in the ASCEND Computer Science pathway series. Students will have the opportunity to apply Computer Science IT skills from their CTE pathway courses. Working on IT industry technical experiences. The opportunity to enhance skills through experiences utilizing and learning employability skills while preparing students for post-high school pursuits.

### IT Fundamentals<sup>PA^</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Computer Science 1B
<b>Offered:</b>	One Semester

IT Fundamentals establish the knowledge and skills required to identify and explain the basics of computing, IT infrastructure, software development, and database use. The class also covers foundational IT concepts including identifying and explaining computer components, installing software, establishing network connectivity and preventing security risks.

### Business & Management OES (Oregon Employability Skills<sup>PA^</sup>)

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Instructor Approval
<b>Offered:</b>	One Semester

This course will provide certification in 10 Oregon Employability Skills and three Industry verified badges. Students will gain understanding of the qualities that lead to lifelong career success. Industry exposure, professional branding and internship preparation will also be covered in this course.

This Oregon-based program is currently in the final development stages with plans to offer an Industry Recognized Credential as well as a College Now college credit .

## Business & Management Work-Based

### Learning<sup>PA^</sup>

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Instructor Approval
<b>Offered:</b>	One Semester

This is the final course in the ASCEND Business pathway series. Students will have the opportunity to review and reflect on their CTE pathway experience. Reviewing strengths, goal setting and enhancing their personal brand are key elements in this class. The opportunity to build a network through work based learning utilizing employability skills will prepare students for post-high school pursuits.

### CTE Lab 1A/1B: Personal Finance<sup>A^</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Must be taken concurrently with Integrated Math 1A/1B
<b>Offered:</b>	Two Semesters

This is a required lab component of the Integrated Math 1A/B course and must be taken simultaneously. The lab will provide work based learning simulations working in conjunction with the Integrated Math course to fulfill CTE requirements and authentic application of the math curriculum.

### CTE Lab 2A/2B: Entrepreneurship<sup>A^</sup>

<b>Grades:</b>	9, 10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Must be taken concurrently with Integrated Math 2A/2B
<b>Offered:</b>	Two Semesters

This is the required lab component of the Integrated Math 2A/B course and must be taken concurrently. The lab will provide work based learning simulations working in conjunction with the Integrated Math course to fulfill CTE business requirements and authentic application of the math curriculum.

## Health Science Education 2 A/B<sup>PA^</sup>

<b>Grades:</b>	11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	Health Science Ed IA/B
<b>Offered:</b>	Two Semesters

In this course students will learn in detail about the role of nursing assistants. 2A students will be introduced to the basics of human development, anatomy and physiology, wellness, human disease, patient observations, and proper documentation. 2B - Students will learn about vital signs, assisting with personal hygiene and mobility, safety within the healthcare facility, and end-of-life care.

### Healthcare Certification Prep<sup>A^</sup>

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	ASCEND Only
<b>Offered:</b>	One Semester

This class prepares students to sit for and pass the 150-question CCMA-NHA exam to become Certified Clinical Medical Assistants. Students will work to master material from past courses including Medical Terminology, Medical Law & Ethics, Health Science Education I, and Health Science Education II using NHA's online study material. Includes three practice exams.. A must if you plan to sit for the CCMA exam.

### Medical Science Work-Based Learning<sup>A^</sup>

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	ASCEND Only
<b>Offered:</b>	One Semester

This class guides and supports Medical Science ASCEND Seniors through their Medical Science Internship or Capstone projects. This class is focused on real-life experiences and project-based learning. This class is highly individualized, with students' goals and expectations being cooperatively set by the student, teacher, and Work-Based Learning host(s).

## Veterinary Assisting A/B<sup>PA^</sup>

<b>Grades:</b>	10, 11, 12
<b>Credits:</b>	1.0
<b>Prerequisites:</b>	None
<b>Offered:</b>	Fall - A / Spring - B

The Vet Assisting series will help students develop skills necessary for employment in the Veterinary Medical industry. Students will learn about the career, the history of animals and society, animals in research and veterinary laws and ethics. Veterinary assistants are expected to complete basic office procedures, record keeping and client interaction. Students will gain knowledge necessary to work toward employment in a veterinary clinic, boarding or grooming facility.

## Veterinary Science Work-Based Learning<sup>PA^</sup>

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Vet Assisting A&B
<b>Offered:</b>	One Semester

This class guides and supports Veterinary Science ASCEND Seniors through their Veterinary Science Work-Based Learning or Capstone projects. This class is focused on real-life experiences and project-based learning. This class is highly individualized, with student's goals and expectations being cooperatively set by the student, teacher and Work-Based Learning host(s).

## Vet Sci Elanco Veterinary Medical Certification

### Prep<sup>PA^</sup>

<b>Grades:</b>	12
<b>Credits:</b>	0.5
<b>Prerequisites:</b>	Vet Assisting A&B and Vet Sci Work Based Learning
<b>Offered:</b>	One Semester

This class prepares students to sit for and pass the 100-question Elanco exam to become an Elanco Certified Veterinary Medical Assistant. This is a review class, where students will work to master material from past courses including Veterinary Assisting A and B. Students will also have the opportunity to take multiple review assessments and two mini practice exams in this class. These are very important if you plan to sit for the Elanco exam.