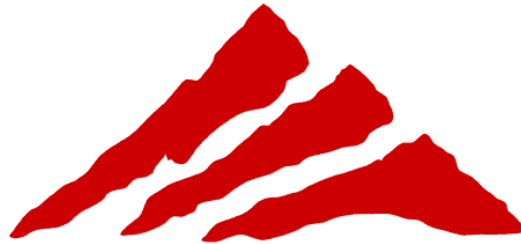


Adult High School Diploma Program

Course Descriptions



MT. HOOD
COMMUNITY COLLEGE

Be | A Graduate

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Using this Guide

AHS7 denotes that the course is specific to Adult High School Diploma program students.

-CS denotes that this is an online section; online courses are accessed through [Blackboard](https://mhcc.blackboard.com) (<https://mhcc.blackboard.com>)

-01 Course sections that are numbered indicates the class is held on campus.

Please note that some courses are only offered online; these have been indicated with the online section CS. Some courses are offered both online and on-campus, depending on the session.

Courses and sessions they are offered are subject to change.

Language Arts

AHS7L1, AHS7L2, AHS7L3, AHS7L4 Freshman/Sophomore English

.50 high school credit

Required Material: varies by instructor

Through close reading and analysis of literature and informational text, students will be able to produce organized and edited writing appropriate to task, purpose, and audience by gathering information from a variety of resources. Course text/materials to be determined by instructor prior to the start of each session.

AHS7L5, AHS7L6, AHS7L7, AHS7L8 Junior/Senior English

.50 high school credit

Required Material: varies by instructor

Through close reading and analysis of literature, informational text, and speech, students will be able to produce organized and edited writing appropriate to task, purpose, and audience by getting information from a variety of sources. Course text/materials to be determined by instructor prior to the start of each session.

Mathematics

AHS7M1-01 **Algebra 1A**

.50 high school credit

Winter/Spring/Summer

Required Material: *Blue Pelican, Algebra 1 Semester 1 workbook*

This course will introduce students to the basic to more advanced principles of algebra and the basic rules of arithmetic as they apply to algebra. Student will explore how to solve and write linear equations, algebraic equations, and formulas. The study of math is life skill that students will use to calculate, estimate, use different processes to solve problems, make measurements, collect and analyze data, and apply algebraic and geometric concepts. Emphasis is placed on using multiple approaches, solving real world problems, and developing a sound foundation for postsecondary education.

AHS7M1-01 **Algebra 1B**

.50 high school credit

Winter/Spring/Summer

Required Material: *Blue Pelican, Algebra 1 Semester 2 workbook*

This course is a continuation of M1, covering basic to more advanced principles of algebra and the basic rules of arithmetic as they apply to algebra. Student will explore how to solve and write linear equations, algebraic equations, and formulas. The study of math is life skill that students will use to calculate, estimate, use different processes to solve problems, make measurements, collect and analyze data, and apply algebraic and geometric concepts. Emphasis is placed on using multiple approaches, solving real world problems, and developing a sound foundation for postsecondary education.

AHS7A1-01 **Algebra 2A**

.50 high school credit

TBD

Required Material: *Blue Pelican, Algebra 2 Semester 1 workbook*

Students demonstrate an understanding of the concept of a function, use of function notation, evaluate a function, determine whether or not a given relation is a function and determine whether or not a given function is one-to-one. Students will also apply long (or synthetic) division, the Fundamental Theorem of Algebra, Descartes Rule of Signs, the Intermediate Value Theorem and the Rational Root Theorem to analyze and/or determine the roots of a polynomial. Students will recognize and apply the binomial theorem and/or Pascal's triangle to expand binomial expressions.

AHS7A2-01 **Algebra 2B**

.50 high school credit

TBD

Required Material: *Blue Pelican, Algebra 2 Semester 2 workbook*

Students demonstrate an understanding of the concept of a function, use of function notation, evaluate a function, determine whether or not a given relation is a function and determine whether or not a given function is one-to-one. Students will also apply long (or synthetic) division, the Fundamental Theorem of Algebra, Descartes Rule of Signs, the Intermediate Value Theorem and the Rational Root Theorem to analyze and/or determine the roots of a polynomial. Students will recognize and apply the binomial theorem and/or Pascal's triangle to expand binomial expressions.

AHS7G1-01 Geometry A

.50 high school credit

Winter/Spring/Summer

Required Material: varies by instructor

Students demonstrate an understanding of basic algebra and move on to basic definitions, concepts (points, lines, and planes), angles, parallel lines, planes, and transversals. The students will apply these geometric concepts to determining interior and exterior angles in triangles and other polygons, and quadrilaterals. Students will be able to identify concepts in order to solve proportional parts, similar polygons, and dilations, in the form of numerical and associated word problems.

AHS7G2-01 Geometry B

.50 high school credit

Winter/Spring/Summer

Required Material: varies by instructor

Students will develop their ability to calculate, estimate, use different processes to solve problems, make measurements, collect and analyze data, and apply algebraic and geometric concepts. Emphasis is placed on using multiple approaches, solving real-world problems, and developing a sound foundation. Students will learn skills they can apply to their everyday lives.

AHS7FMA Financial Math A

.50 high school credit

Fall/Winter, Online

Required Material: varies by instructor

This course will focus on the practical application of mathematics to money and finance, while also providing students with the financial tools necessary to make informed decisions for a successful financial future. Key concepts include interest calculations, future value, growth and decay functions, solving algebraic equations, modeling finance and statistics.

AHS7FMB Financial Math B

.50 high school credit

Fall/Winter, Online

Required Material: varies by instructor

This course is a continuation of Financial Math A. It will focus on the practical application of mathematics to money and finance, while also providing students with the financial tools necessary to make informed decisions for a successful financial future. Key concepts include interest calculations, future value, growth and decay functions, solving algebraic equations, modeling finance and statistics.

Science

AHS7B1 **Biology A**

.50 high school credit

Fall/Winter/Spring/Summer

Life Science study includes the study of ecology, the processes of photosynthesis and respiration, energy transfer through systems (including food webs and cycles), and the relationship of DNA and RNA to protein synthesis, transcription and translation.

AHS7B2 **Biology B**

.50 high school credit

Fall/Winter/Spring/Summer

Life Science study includes the study of ecology, laws of heredity and the relationship to the structure, function, and development of chromosomes and genes. This course will also cover cell division through meiosis and mitosis and the role genetics plays in how living things have changed over geological time.

AHS7NW **NW Ecology**

.50 high school credit

Winter

Northwest Ecology is the study of interactions between organisms and the environment around them. This course will cover the fundamental principles of ecology as it applies specifically to the North West. This includes topics such as natural selection, population, community, biodiversity, and sustainability. The learner will develop ecological literacy, meaning they will understand how the natural world works and be able to develop an awareness of how the scientific method is used to construct ecological knowledge. This class will explore today's major ecological problems and discuss possible solutions to insure a sustainable future.

AHS7CH-CS **Chemistry**

.50 high school credit

Fall/Winter/Spring/Summer; Online only

This course will relate chemical bonding to elements on the periodic table and analyze factors that influence chemical reactions. It will also focus on the concept of equilibrium and the role balanced equations play in the Law of Conservation of Mass.

AHS7P1 **Physical Science A**

.50 high school credit

Fall/Winter/Spring/Summer

Students will learn the effects of multiple forces acting on an object and learn to distinguish between Newton's 3 laws of motion. They will also manipulate the equations for speed, acceleration, and force to predict outcomes in various situations. Students will also identify how energy transfer through kinetic and potential energy relates to the Law of Conservation of Energy.

AHS7P2 **Physical Science B**

.50 high school credit

Fall/Winter/Spring/Summer; Online only

Students will learn the effects of force and velocity when applied to various situations and study the difference between kinds of waves as a means of transmitting energy. They will describe Newton's laws of motion and how they relate of the Law of Conservation of Energy.

Social Sciences

AHS7US1 **US History 1**

.50 high school credit

Fall/Winter/Spring/Summer

An examination of the United States from the earliest settlement to the Civil War. Topics and themes include Revolutionary War, Civil War, the set up and formation of a new government and leadership outside Britain and how they relate and shaped our world today.

AHS7US2 **US History 2**

.50 high school credit

Fall/Winter/Spring/Summer

Examination of the United States from the 1900's to present day. Topics and themes include women's rights, Civil Rights, World War I and II and how they relate and shaped our world today.

AHS7WH1-CS **World History 1**

.50 high school credit

Fall/Winter/Spring/Summer; Online only

The examination of the ancient world in regards to early hominids and their development into modern humans. Topics include the rise of city states, the Empires of Mesopotamia, Egypt, Africa and India and the spread of Judaism and their contributions to human development.

AHS7WH2-CS **World History 2**

.50 high school credit

Fall/Winter/Spring/Summer; Online only

The examination of the Empires of China, Rome and Greece. Topics will include Chinese philosophies and topography, the Silk Road, The rise of the Greek democracy, Persian Wars, the Golden Age, Alexander the Great, the Rise and fall of the Roman empire and the spread of Christianity.

AHS7GV **Government**

.50 high school credit

Fall/Winter/Spring/Summer

In this course students draw on their studies of American history and other societies to compare different systems of government in the world today. Students also consider the interrelationship of the levels and branches of government as they are involved in creating government policy.

AHS7EC **Economics**

.50 high school credit

Fall/Winter/Spring/Summer

In Economics, students look at specialization, competition, and the creation of economic policy. They also investigate the risks of entrepreneurship, investment, and various economic policies and practices. Students use Social Science Analysis to fully explain issues, including the significance; to gather and analyze data; to view events, issues, or problems from varied and opposed perspectives, considering short- and long-term effects; and to reach refined, supported conclusions.

AHS7GSA **Global Studies A**

.50 high school credit

Fall/Winter/Spring/Summer

The study of social science prepares students to make decisions as responsible citizens. Students evaluate historical and contemporary issues, demonstrate an understanding of global relationships

and make connections between past, present, and future. Effective citizens take informed actions to make a positive difference in their lives, communities, and world. Students will discuss resource use, depletion, renewal, physical and climate change, population characteristics and migration, cultural characteristics and change. Students use social science analysis to fully explain issues, to gather and analyze data; to view events, issues, or problems from varied and opposed perspectives, and to consider short and long-term effects.

AHS7GSB Global Studies B

.50 high school credit

Fall/Winter/Spring/Summer

The study of social science prepares students to make decisions as responsible citizens. Students evaluate historical and contemporary issues, demonstrate an understanding of global relationships and make connections between past, present, and future. Effective citizens take informed actions to make a positive difference in their lives, communities, and world. Students will discuss resource use, depletion, renewal, physical and climate change, population characteristics and migration, cultural characteristics and change. Students use social science analysis to fully explain issues, to gather and analyze data; to view events, issues, or problems from varied and opposed perspectives, and to consider short and long-term effects.

Health and Physical Education

AHS7H1-CS Health 1

.50 high school credit

Fall/Winter/Spring/Summer

High school level health skills and concepts include analyzing the influences and pressures teenagers face regarding issues of alcohol, tobacco, and other drug use. Students identify school and community resources that support people with addictive behaviors and learn how to communicate with a friend or relative that has addiction issues. Students analyze influences that encourage young people to expose themselves to the sun and that encourage the use of tanning beds, as well as the importance of preventing exposure to UV rays.

AHS7H2-CS Health 2

.50 high school credit

Fall/Winter/Spring/Summer

Students learn to critique the adequacy of their own diet and set a goal based on a dietary analysis. They effectively communicate the decisions and behaviors of family, peers, and others that promote health sexual behaviors and use decision making processes to make health sexual choices. Students advocate to others the importance of screenings and medical examinations to maintain reproductive health. Students also work on advocating for the promotion of respect and empathy for individual differences.

AHS7PE-CS Independent PE

.50 high school credit

Fall/Winter/Spring/Summer

This course will emphasize knowledge, participation, and safety in activities, physical fitness, and social and emotional values. Students will be able to participate in group or team activities and design

a personal activity plan that promotes healthy living. The student will demonstrate appropriate form and skill in a variety of activities and sports. This course may be repeated up to four credits.

Career Technical Education (CTE)

AHS7C1-CS **Career Exploration**

.50 high school credit

Fall/Winter/Spring/Summer; Online only

Career exploration is designed to assist students in assessing his or her personal characteristics that have a bearing on their career choice. Students will explore careers possibilities, job search techniques, and decision-making techniques. Students will demonstrate effective communication skills to give and receive information in school, the community, and the workplace. Students will locate, process and convey information using traditional and technological tools. Students will learn to listen attentively and summarize key elements of verbal and non-verbal communication and to give and receive feedback in a positive manner.

**Students who have met minimum employment requirements may challenge this course with High School Services Coordinator approval.*

AHS7C2-CS **A Look at Careers**

.50 high school credit

Fall/Winter/Spring/Summer; Online only

A Look at Careers is designed to assist students in assessing their personal characteristics that have a bearing on their career choice. Students will explore careers possibilities, job search techniques, and decision-making techniques. Students will demonstrate effective communication skills to give and receive information in school, the community, and the workplace. Students will learn to listen attentively and summarize key elements of verbal and non-verbal communication and to give and receive feedback in a positive manner.

AHS7WE-CS **Work Experience**

.50 high school credit

Fall/Winter/Spring/Summer

Through documentation and reflection, students demonstrate their ability to employ personal and time management, problem-solve and communicate effectively with peers and the community, and successfully work as part of a team in the workplace. Students may repeat this course up to four credits. High School Services Coordinator approval required.

AHS7VI-CS **Volunteer/Internship Experience**

.50 high school credit

Fall/Winter/Spring/Summer

Through documentation and reflection, students demonstrate their ability to explore and develop their ability to be an interactive part of their immediate community, as well as build a foundation for future employment and voluntarily donate their time, talent, and commitment to an entity of their choosing. Students may repeat this course up to four credits. High School Services Coordinator approval required.

Credit for Prior Learning (CPL)

Beginning Fall of 2017, we will be offering Credit for Prior Learning (CPL) as an additional opportunity for students to earn high school credit towards completing their diploma requirements.

Through documentation and reflection, students will demonstrate areas in which they believe to be proficient through experiences outside the traditional classroom. A team of licensed high school instructors will assess each portfolio for depth and breadth of the learning. Students will submit specific documentation and reflection of experiences that demonstrate learning in a clear, professional, and organized manner.

AHS7PLLA-CS Language Arts Portfolio

Reading, Speaking & Listening, Writing, Language

AHS7PLMA-CS Mathematics Portfolio

Number Sense, Data, Statistics & Probability, Algebra, Geometry, Personal Finance

AHS7PLSS-CS Social Studies Portfolio

Government, Economics, History, Geography, Personal Finance

AHS7PLSC-CS Science Portfolio

Nature & Engineering, Life, Earth & Space, Physical

AHS7PLCTE-CS Career Technical Education (CTE) Portfolio

Self-Management, Developing a Future Pathway, Navigating Systems, Digital Literacy, Business, Technology, Industry

AHS7PLPE-CS Physical Education Portfolio

Motor Skills & Movement Patterns, Lifetime Fitness, Team Participation

AHS7PLHE-CS Health Education Portfolio

Drug Prevention, Disease Control & Prevention, Healthy Eating, Mental, Social & Emotional Health, Physical Activity, Sexual Health, First Aid & CPR