Mingus Union High School Course Catalog 2025-2026

High School Course Requirements 22 Credits Required for Graduation		
	Standard Pathway	**College Bound Pathway** **AP Pathway**
Subject	**# of credits**	**# of credits**
English	4	4
Math	4	4
Science	3	3 (lab sciences)
Social Studies	3	3
Fine Art OR **Career Technical Education**	1 2 (in the same subject)	1 1 (2 in same subject for graduation)
Physical Education	1	None required for college admissions. 1 credit required for HS graduation
World Language	0	2 (in the same language)
Elective Credits	5 or 6	4 or 5
Total Credits Needed:	22 credits	22 credits
Grade Point Average (GPA)	No minimum GPA	3.0+ ACT/SAT Recommended
Required Testing	Pass Civics Exam Complete CPR Training	Pass Civics Exam Complete CPR Training

Pathway	Description
Standard Pathway	The standard track consists of the minimum requirements needed for a student to graduate from high school.
College Bound Pathway	This track consists of the minimum requirements needed for a student to graduate from high school and be admissible to NAU, ASU, or U of A. Students who plan to attend an out of state public or private university should check admissions requirements for those institutions. We partner with Yavapai College to offer college credits for classes listed as Dual Enrollment (DE). Please note, most academic DE courses require placement testing the semester prior to the start of the course.
AP Pathway	The AP track consists of graduating from high school, having completed more rigorous classes to earn college credits. In order to earn college credits for AP classes, typically a student must score a 4 or 5 (check AZ Transfer site or with each university for exact score needed).

Advanced Placement Courses

AP courses are college-level classes in a wide variety of subjects that you can take while still in high school. They offer you challenging course work and a taste of what college classes are like.

- AP courses offer the opportunity to study a subject in-depth at the college level. This better prepares a student for college work.
- If you receive a qualifying score on an AP Exam, you may be eligible for credit, advanced placement or both at most colleges in the United States.
- Students are eligible for a weighted grade on their transcript when they complete the AP Exam at the end of the course.
- AP Course Cost is $15 for test prep book and College Board Test Fee (approximately $100) Students who qualify for Free and Reduced Lunch are eligible for financial assistance.

Dual Enrollment Courses

Dual Enrollment (DE) Courses allow students to earn both high school and college credits at the same time. The DE courses are taught at the high school by high school teachers who have the credentials to teach for the college. Upon satisfactory completion of the class, students will have an official college transcript for transfer credits or for Yavapai College degree and certification programs.

To be eligible for Dual Enrollment (DE), students must complete additional steps which include:

- Yavapai College Admissions
- Completion of the Accuplacer exam
    - Some courses require students to have a certain score on the Accuplacer to be eligible to take the course.
- Enrollment in the YC Course (Fall semester)

Dual Enrollment courses cost $10 per credit hour paid during the MUHS Registration process. Scholarships are available for those who qualify.

For information on transferring classes to Arizona Public Universities, visit: www.aztransfer.com

VACTE (Valley Academy for Career and Technology Education) Central Campus Programs

Valley Academy for Career and Technology Education is a joint technological education district serving high schools in our area including Mingus Union High School. VACTE offers numerous Central Campus Programs available for Mingus Union High School students.

To be eligible for VACTE Central Campus Programs, students must complete additional steps which include:

- VACTE Student Application (available during course selection)
- Yavapai College Admissions (if the course is Dual Enrollment through Yavapai College)
    - Completion of the Accuplacer exam - Some courses require students to have a certain score on the Accuplacer to be eligible to take the course.
    - Enrollment in the YC Course (Fall semester)

If a student drops the VACTE Central Campus Course once the semester has started, they will be charged the full cost for attendance in that course (this can be up to $1000).

NCAA – National Collegiate Athletic Association

Before an athlete can play a sport or receive an athletic scholarship at a Division I or Division II college, he/she must meet the specific academic criteria as set forth by the NCAA. Students must have a 2.3 GPA (based on a 4.0 scale) in 16 core courses. For additional information on GPA and test scores look at the Initial Eligibility Index on the NCAA website – ncaa.org.

Students must take specific courses in order to meet NCAA eligibility requirements. These include a college preparatory English, science, social studies, math courses with at least one year of algebra and geometry. It is very important that athletes meet with their school counselor and talk to their high school coach to obtain information on all the NCAA requirements. Athletes also need to complete an NCAA Clearinghouse Students Release form after their junior year in order to initiate the eligibility process. This is done through the NCAA Eligibility Center website.

English Courses

Track	9th Grade	10th Grade	11th Grade	12th Grade
Standard	English 9	English 10	English 11	English 12 or DE English 12
University	English 9	English 10	English 11	English 12 or DE English 12
AP	Honors English 9	Honors English 10	AP Language and Composition	DE English 12

Honors and AP Note: English Honors and AP courses are intended for highly motivated students for whom reading and writing is a passion. Admittance to an Honors course may require the following:

- Demonstrated commitment to course work.
- A recommendation from the previous English teacher
- Parent/Counselor meeting with instructor

English 9

Grades	Credits	Prerequisites	Course #
9	1	None	2010

English 9 provides students with an overview of literature across forms and genres (short stories, novels, poetry, drama, and literary nonfiction). To begin preparation for the State Standardized Exam, the writing focus is expository and persuasive to increase students' analytical skills. Additionally, students will begin to read and respond to literary criticism. Also included are skills in using the library, speaking, listening and vocabulary. ***Students are required to complete a minimum of four extended writing assignments (two per semester) in order to receive credit for the class.***

Honors English 9

Grades	Credits	Prerequisites	Course #
9	1	Teacher recommendation	2015

The material students in Honors will use build a foundation of knowledge, concepts, and skills needed to engage successfully in a higher level of learning, helping to ensure future success in AP courses. This course will challenge students to think critically and express content understandings in a variety of ways. Students will be required to read, write, listen, and speak at an academically advanced level, with an emphasis on providing research and evidence to support findings, positions, and analysis. ***Students are required to complete a minimum of four extended writing assignments (two per semester) in order to receive credit for the class.***

English 10

Grades	Credits	Prerequisites	Course #
10	1	2010 – English 9 or 2015 – Honors English 9	2020

English 10 builds on freshman skills and continues to prepare sophomore students for state-mandated tests. As part of the curriculum, students will study literature from around the world, primarily Latin America, Asia, Africa, the Middle East, and Russia. Each unit allows for close study of literary works, as well as consideration of historical and cultural context. Writing will be focused on literary analysis, persuasive and expository essays. Students will also take part in student-led seminars, deliver memorized poems or speeches, and continue vocabulary study. **Students are required to complete three essays in the course of the school year in order to receive credit for the class.**

Honors English 10

Grades	Credits	Prerequisites	Course #
10	1	2015 – Honors English 9 or Teacher recommendation	2025

World Literature is the foundational study underlying Honors English 10; there is a greater concentration on analytical writing, reading and discussions. Weekly vocabulary study comes from a separate vocabulary book and constitutes a hefty percentage of the course grade. **Students are required to satisfactorily complete a minimum of three essays to earn credit for the course.**

English 11

Grades	Credits	Prerequisites	Course #
11	1	2020 – English 10 or 2025 – Honors English 10	2030

English 11 is devoted to a study of American literature from the early Native American mythology to the late twentieth century. Students build their writing skills from previous years, integrating multiple sources and perspectives into their work, reading literary criticism, and writing longer and more complex research and analytical essays. **Students are required to complete a minimum of six extended writing assignments (three per semester) in order to receive credit for the class.**

AP Language and Composition

Grades	Credits	Prerequisites	Course #
11	1	2025 – Honors English 10 or 2020 - English 10 with a C or higher or Teacher recommendation	2035

AP Language and Composition is a college-level course for juniors following Honors English 10. This course engages students in becoming skilled readers of prose written in different periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. This reading and writing should make students aware of the interactions among a writer's purposes, audience expectations, and subjects, as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Transfer students must have been enrolled in Honors English in their former school. Successful complete of Honors English 9 and 10 are recommended. It is highly recommended that all students who complete the course take the AP Language and Composition exam in May. **Students are required to complete a minimum of six extended writing assignments (three per semester) in order to receive credit for the class.**

English 12

Grades	Credits	Prerequisites	Course #
12	1	2030 – English 11 or 2035 – AP Lang/Comp	2040

English 12 is designed to prepare students to be successful in an academic or professional setting after high school. The focus for English 12 is on European Literature from the Dark Ages to the 20th century. By the end of 12th grade, students will have become familiar with some of the major works and ideas of European Literature, have honed their skills of literary analysis, and will have written multiple research-based essays. **Students are required to complete a minimum of six extended writing assignments (three per semester) in order to receive credit for this class.**

English 12 DE (Dual Enrollment)

ENG 101 – College Composition I (3 Yavapai College Credits)
ENG 102 – College Composition II (3 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
12	1	2030 – English 11 or 2035 – AP Lang/Comp and Must meet YC Entrance Requirements	2041

English 12 DE (Dual Enrollment) focuses on composing expository and argumentative essays for specific audiences. Emphasis is on the processes of writing, reading and critical thinking with an introduction to research and documentation. The course includes extensive critical reading and writing. Second semester (102) fluency, literary analysis, and critical writing will be emphasized. Students will further develop research skills to write a critical, documented essay. **A grade of C or better will earn English 101/102 credit at Yavapai Community College which is transferable to most colleges and universities.**

Math Courses

Track	9th Grade	10th Grade	11th Grade	12th Grade
Standard	Algebra 1	Geometry	Algebra 2	Discrete Math or DE College Math
University	Algebra 1 -OR- Geometry	Geometry/ Honors Geometry -OR- Algebra 2/ Honor Algebra 2	Algebra 2/ Honors Algebra 2 -OR- DE College Math -OR- DE Pre-Calculus	Discrete Math -OR- DE College Math -OR- DE Pre-Calculus -OR- DE Calculus
AP	Honors Geometry	Honors Algebra 2	DE Pre-Calculus	DE Calculus

Algebra 1

Grades	Credits	Prerequisites	Course #
8 or 9	1	None	3010

Algebra 1 provides the students with the basic structures of algebra necessary for higher mathematics, science and technological endeavors. It introduces properties of the real number system. Emphasis is placed on operations and polynomials, factoring techniques, solving linear and quadratic equations, solving systems of equations, graphing functions, solving, and graphing inequalities and working with rational and radical expressions.

Honors Algebra 1

Grades	Credits	Prerequisites	Course #
8 -9	1	Teacher Recommendation	3015

Honors Algebra 1 will provide students with the basic structures of algebra necessary for higher mathematics, science and technological endeavors. The pace of the course will move quicker than standard Algebra, allowing an opportunity for more in depth exploration of concepts. Emphasis will be placed on polynomials, factoring techniques, solving linear and quadratic equations, solving systems of equations, graphing functions, solving, and graphing inequalities and working with rational and radical expressions.

Geometry

Grades	Credits	Prerequisites	Course #
9-10	1	3010 – Algebra 1 or 3015 - Honors Algebra 1	3020

Geometry is designed to help students discover the purpose and usefulness of geometry in real-world applications. Using the properties and tools of geometry, students explore, investigate, and solve problems. Using both inductive and deductive reasoning, students learn to do geometric proofs. Algebra skills are built upon and practiced throughout the course.

Honors Geometry

Grades	Credits	Prerequisites	Course #
9-10	1	3010 – Algebra 1 with a B or higher or 3015 - Honors Algebra 1 or Teacher Approval	3025

Honors Geometry explores the relationships, measurements, and properties of one-, two- and three-dimensional objects. This course will emphasize the further development of skills, techniques, and connections to the concepts of geometry and extend the understanding of algebra to include coordinate geometry. Topics for the course include but are not limited to foundations of geometry, proof and logic, congruence and similarity in triangles, polygons, circles, and transformations.

Algebra 2

Grades	Credits	Prerequisites	Course #
10-11	1	3010 – Algebra 1 with a B or higher or 3015 - Honors Algebra 1	3030

This course includes simplifying polynomial, rational, and radical expressions; solving quadratic, rational and radical equations; introducing functions and their representation, applying mathematics in real-world contexts and using appropriate technology.

Honors Algebra 2

Grades	Credits	Prerequisites	Course #
10-11	1	3010 – Algebra 1 with a A or higher or 3015 - Honors Algebra 1 or Teacher Approval	3035

Honors Algebra 2 is a math course in the study of algebraic expressions, equations, inequalities, exponential and logarithmic functions, discrete math topics, systems of equations, polynomials, probability and statistics, relations, and trigonometric functions. This course complements and expands the mathematical content and concepts of Algebra 1.

Integrated Math

Grades	Credits	Prerequisites	Course #
11-12	1	Approved Personal Math Curriculum	3028

Integrated Math Applications (Personal Curriculum) Course description: This course is designed to review and continue the studies of Algebra and Geometry with their applications. Students will study the algebra topics of linear equations, inequalities, functions, and systems; quadratic, polynomial, radical, and exponential functions; and properties of exponents.

Discrete Mathematics/Modeling

Grades	Credits	Prerequisites	Course #
12	1	3030 – Algebra 2 or 3035 – Honors Algebra 2 or 3028 – Integrated Math	3040

Discrete Mathematics and Modeling is designed to help students continue to make connections and build relationships among algebra, arithmetic, geometry, and discrete mathematics. Topics include construction and using mathematical models, graph theory including Euler and Hamilton paths and circuits, matrix operations and their applications, consumer mathematics and critical thinking skills, including the study of symbolic logic.

College Math DE (Dual Enrollment)

MAT 142 - College Mathematics (Yavapai College 3 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3030 – Algebra 2 or 3035 – Honors Algebra 2 and Must Meet YC Entrance Requirements	3152

Survey of mathematical topics and applications. Includes statistics, probability, exponential functions, finance, dimensional analysis and other selected discrete math topics. Note: Computer use, and graphing calculator required (TI-83/84 recommended). Prerequisite: ACT Math score of at least 23, or an SAT Math score of at least 530, or a satisfactory score on the mathematics skills assessment.

Elementary Statistics (Dual Enrollment)

MAT 167 – Elementary Statistics (Yavapai College 3 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3152 – College Math DE	3153

Statistical tools and techniques used in research and general applications. Description of sample data, probability, and probability distributions, point and interval estimates of population parameters, hypothesis testing and correlation and regression. Note: Computer use, and graphing calculator required (TI 83/84 recommended). Prerequisite: MAT 142 or 152 or satisfactory score on mathematics skills assessment.

Pre-Calculus (Dual Enrollment)

MAT 187 – Pre-Calculus (Yavapai College 5 credits)

Grades	Credits	Prerequisites	Course #
11-12	1	Must Meet YC Entrance Requirements	3050

Topics from college algebra and trigonometry are essential to the study or calculus and analytic geometry, includes linear, quadratic, polynomial, rational, exponential, circular, and trigonometric functions, trigonometry, systems of equations, and matrices. Note: Computer use, and graphing calculator required (TI-83/84 recommended. Use depends on the teacher's discretion).

Calculus I (Dual Enrollment)

MAT 220 – Calculus & Analytic Geometry 1 (Yavapai College 5 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3050 – Pre-Calculus DE with a grade of C or higher and must meet YC Entrance Requirements	3061

Introduction to calculus of single variable functions. Includes limits, the fundamental principles of differentiation and integration, techniques for finding derivatives of algebraic and trigonometric functions and applications of derivatives. Note: Computer use, and graphing calculator required (TI-83/84 recommended).

Calculus II (Dual Enrollment)

MAT 230 – Calculus & Analytic Geometry II (Yavapai College 5 credits)

Grades	Credits	Prerequisites	Course #
11-12	.5	3061 – Calculus I DE	3062

Concepts, techniques and applications of integration, infinite series, and introduction to differential equations. Note: Computer use, and graphing calculator required (TI-83/84 recommended).

Science Courses

Track	9th Grade	10th Grade	11th Grade	12th Grade
Standard	Physical Science	Biology	Chemistry -OR- Physics	
Agricultural Science Track	Agriscience 1 -AND- Physical Science	Agriscience 2	Agriscience 3 -AND Recommended - Chemistry –OR- Physics	Agriscience 4
University 3-4 Science credits recommended	Physical Science -OR- Biology -OR- Honors Biology	Biology –OR- Honors Biology	Chemistry -OR- Honors Chemistry -OR- Honors Physics	Additional Elective Science Course of Choice
Advanced Placement (AP)	Physical Science -OR- Biology -OR- Honors Biology	Honors Biology	Honors Chemistry -OR- Honors Physics	AP Chemistry -OR- AP Biology

Physical Science

Grades	Credits	Prerequisites	Course #
9	1	None	5015

Physical Science is designed to familiarize students within the physical world in which they live. This includes 4 primary focus areas of: 1- Scientific inquiry, including the scientific method, measurements, graphing and dimensional analysis. 2- Chemistry, including atomic structure, bonding, inorganic nomenclature, and electromagnetic radiation. 3- Physics, including laws of motion, force, velocity, mass vs weight. 4- Earth and Space science, including an exploration of our solar system and beyond, as well as an in depth look at the Earth as a dynamic sphere is studied through the investigation of earthquakes, volcanoes, continental drifting, chemical/physical weathering and erosions. The main curricular focus will be on mastery of content associated with the performance objectives from the Arizona State Science Standards.

Biology

Grades	Credits	Prerequisites	Course #
9-10	1	5015 - Physical Science or 3015 – Honors Algebra 1 with a B or higher	5020

This course is designed to help students become aware of the major concepts of Biology including foundations of life, chemistry of life, cell structure and function, cellular energy, cell division, heredity, genetics, evolution, and ecology. The curricular focus will be on mastery of content associated with the objectives from the Arizona State Science Standards.

Honors Biology

Grades	Credits	Prerequisites	Course #
10	1	5010 – Physical Science with a C or higher	5030

This course is designed for the accelerated student to become aware of major concepts in Biology, including foundations of life, chemistry of life, cell structure and function, cellular energy, cell division heredity, genetics, evolution, ecology, and kingdoms of life. The curricular focus will be on mastery of content associated with the-objectives from the Arizona State Science Standards.

AP Biology

Grades	Credits	Prerequisites	Course #
12	1	5020 – Biology or 5030 – Honors Biology And 5050 – Chemistry or 5054 – Honors Chemistry	5031

AP Biology is a college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

Chemistry

Grades	Credits	Prerequisites	Course #
11-12	1	5020 – Biology or 5030 – Honors Biology AND 3030 – Algebra 2 (can be concurrent) 3035 – Honors Algebra 2 (can be concurrent)	5050

Chemistry is the study of the composition of substances and the changes they undergo. Through varied classroom and laboratory experiences. Topics include stoichiometry, nomenclature, prediction of reaction products, thermochemistry, nuclear chemistry, chemical kinetics, equilibrium and other tenets of physical chemistry.

Honors Chemistry

Grades	Credits	Prerequisites	Course #
11-12	1	5020 – Biology or 5030 – Honors Biology AND 3030 – Algebra 2 (can be concurrent) 3035 – Honors Algebra 2 (can be concurrent)	5054

Chemistry course: presentation of general chemistry material is accelerated and more detailed to prepare students for the rigor of college-level coursework. Additional quantum theory, thermodynamics, kinetics, and equilibrium problem-solving, etc. are covered for enrichment and preparation for AP Chemistry.

AP Chemistry

Grades	Credits	Prerequisites	Course #
12	1	5050 – Chemistry AND Instructor Approval OR 5054 – Honors Chemistry	5055

The academic objectives of this course are designed to be the equivalent of a first-year college chemistry course. AP Chemistry requires continual study, good note-taking skills, extensive time and effort, and excellent math ability and skills. Extensive laboratory work is a major component of the course. A primary goal of AP Chemistry is to prepare students to pass the AP Exam in May of each year and obtain college credit. As many as eight or nine credit hours in chemistry at each of the state universities may be earned through the AP exam if a score of 5 is achieved. Similar benefits are to be found at nearly 2000 universities in the U.S. and around the world. AP Chemistry is also accepted at the state universities as one of the three required lab sciences, even if the student has already taken the chemistry/honors chemistry course.

Physics (Mechanics/Motion)

Grades	Credits	Prerequisites	Course #
11-12	1	2 credits of science AND 3030 – Algebra 2 (can be concurrent) 3035 – Honors Algebra 2 (can be concurrent)	5060

In this course, students will deepen and refine their knowledge on matter and energy gained through other science classes. The laws of motion, including kinematics, which describe how things move and dynamics, which explains why things move, are described conceptually and developed through numerous laboratory investigations. Simple machines that transfer energy are studied in detail. The principles of physical and mathematical modeling are used to develop patterns which underlie natural processes. Applications of topics covered will be explored in technological fields.

Honors Physics (Mechanics/Motion)

Grades	Credits	Prerequisites	Course #
11-12	1	2 credits of science AND 3030 – Algebra 2 with a B or higher 3035 – Honors Algebra 2 (can be concurrent)	

In this course students will delve deeper into the science of motion. In addition to covering the same material as Physics: Mechanics/Motion, this Course will include more lab work, delve deeper into the mathematical underpinnings of mechanics as well as additional topics such as Electromagnetism, Wave Mechanics, Optics, Sound, and Basics of Electricity.

Social Studies Courses

Track	9th Grade	10th Grade	11th Grade	12th Grade
Standard	World History	World History	US History	Government & Economics
University	None	World History or AP World History	US History or AP US History	Government & Economics
AP	None	AP World History	AP US History	Government & Economics

World History

Grades	Credits	Prerequisites	Course #
10-12	1	None	4010

Through the process of inquiry, students will engage in a comprehensive study of world history through a balanced approach to both Eastern and Western Hemispheres. This course starts with content beginning in the 15th century and moves to current issues and events. Connections to geographic topics and concepts will be integrated throughout the course.

AP World History

Grades	Credits	Prerequisites	Course #
10-12	1	Teacher Recommendation	4015

AP World History provides a clear framework of six chronological periods viewed through the lens of related key concepts and course themes, accompanied by a set of skills that clearly define what it means to think historically. Emphasis in the course is placed on developing four historical skills: crafting historical arguments from evidence, chronological reasoning, comparing and contextualizing, and historical interpretation and synthesis. The five course themes are 1: Interaction between Humans and the Environment, 2: Development and Interaction of Cultures, 3: State-Building, Expansion and Conflict, 4: Creation, Expansion, and Interaction of Economic Systems, 5: Development and Transformation of Social Structures.

US History

Grades	Credits	Prerequisites	Course #
11	1	None	4020

US History explores the history and the political economic development of the United States. First semester focuses on the Colonial Era through Reconstruction. Second semester focuses on the Gilded Age to Modern America.

AP US History

Grades	Credits	Prerequisites	Course #
11	1	Teacher Recommendation	4025

This college-level course studies the rich past of American history, explores key events, influential figures, and societal changes that have shaped the nation from pre-Columbian times to the present day. Students will analyze primary sources, engage in critical thinking, and develop historical writing skills in preparation for the mandatory College Board APUSH exam in May. This course fosters a deep understanding of the complexities of the American experience, encouraging students to draw connections between the past and present. Recommended for motivated students, strong readers and writers seeking a rigorous exploration of US history.

Government
Economics

Grades	Credits	Prerequisites	Course #
12	.5 .5	None	4030 4035

Government: Students examine the philosophical foundations of the American political system. In addition, this course offers the basic constitutional structure of the United States. Aspects of this course focus on the Bill of Rights and the role of individual responsibilities to society.

Economics: This course emphasizes the free-market system, with exposure to the global economy and current economic issues. Students examine the practical application of personal finance.

World Language Courses

Spanish 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	7510

The Spanish 1 course is based on the ACTFL World Language standard skills: listening, speaking, reading and writing. By the end of the course, students will be able to carry on a simple conversation and speak or write about culture and everyday life using basic vocabulary and grammatical structures in the present tense.

Spanish 2

Grades	Credits	Prerequisites	Course #
10-12	1	7510 – Spanish 1	7520

Spanish 2 is a continuation of the foundation established in Spanish 1. Emphasis is on mastery of the basic grammatical structures and increased communicative proficiency. Acquisition of functional vocabulary from Spanish 1 is expected. Students will be exposed to the past tense and irregular grammatical structures. Students will be expected to apply them in their writing and speaking. It is recommended this in-person course only be taken after successful completion of an in-person Spanish 1 course.

Fine Arts Courses

Performing and Visual

Chorale/Concert Choir

Grades	Credits	Prerequisites	Course #
9-12	1	None	6200

In this course, students learn how to read music, sing, and perform throughout the year. You do not need previous singing experience to take this class. Basic music theory, sight reading rhythms, and vocal production will be covered. Students will be involved with the musical review in January as well learning songs from different genres of music to perform in the community and throughout the year. **Participation at concerts and performances is expected and required.**

Performance Choir

Grades	Credits	Prerequisites	Course #
10-12	1	6200 – Chorale/Concert Choir	6205

This choir is auditioned and selected the year prior. Students must have completed one year of Concert Choir. Students will be performing college level music and focusing on advanced singing concepts. This group will have more community performances than concert choir. **Participation at concerts and performances is expected and required.**

Music Theory

Grades	Credits	Prerequisites	Course #
9-12	1	None	6300

This course will teach students how to develop the ability to recognize, understand and describe the basic materials and processes of music that are heard or presented in a score. Students will develop their skills in aural recognition, sight-singing, composition, and analysis. Skills developed in this course can give students the ability to test out of beginning level theory prerequisite college courses.

Beginning Concert Band

Grades	Credits	Prerequisites	Course #
9-12	1	None	6120

Beginning Concert Band is a course for students who want to learn how to play a woodwind or brass instrument. The course teaches fundamentals of music such as note reading, tone production, rhythm patterns, and music theory. The course also develops social skills and performance etiquette. Students participate in classroom activities and public MUHS concerts. No prior musical experience is necessary. This course is **MANDATORY** for all incoming students joining the band program. This class serves as prerequisite for Advanced Concert Band and Rock Ensemble (Jazz Ensemble).

PLEASE NOTE: Students who are enrolled in this class will need to attend the Verde Valley Band Instrument Rental/Information night. Grade level counselors will receive an enrollment form signed by both the parent and director for each student. This is done to not only ensure the academic success of every student, but parents/students will understand their responsibility in properly maintaining, traveling and performing on a school owned instrument. Parents will also be able to join Milano Music's Rent-to-Own program which is preferred.

STUDENTS NEW TO THE DISTRICT: All new students enrolled in the Mingus Union High School District are welcome to join the band department and should be placed in the beginning concert band class unless they have 2 years of band experience on their transcript. However- Students who do not have 2 years' experience may audition to be placed in our upper-level band classes.

Advanced Concert Band

Grades	Credits	Prerequisites	Course #
10-12	1	6120 – Beginning Concert Band	6122

Admission to this class is based on auditions; director's approval is required. This course focuses on both the continuing musical training necessary to play a woodwind, brass or percussion instrument and the preparation and performance of music of various styles for public concerts and statewide adjudicated festivals. Grade level counselors will receive an enrollment form signed by the director for each student.

Percussion Ensemble

Grades	Credits	Prerequisites	Course #
9-12	1	None	6150

Percussion Ensemble is a course for students who want to learn how to play percussion instruments. This course teaches fundamentals of music such as note reading, tone production, rhythm patterns, and music theory. The course also develops social skills and performance etiquette. Students participate in classroom activities and public MUHS concerts. No prior musical experience is necessary. This course is MANDATORY for all incoming percussion students joining the band program. This class serves as prerequisite for Advanced Concert Band and Rock Ensemble (Jazz Ensemble).

Rock/Jazz Ensemble

Grades	Credits	Prerequisites	Course #
10-12	1	6120 – Beginning Concert Band	6116

Admission to this class is based on auditions; director's approval is required. This course focuses on both the continuing musical training necessary to play a woodwind, brass, string or percussion instrument and the preparation and performance of music of various styles in both Jazz and Classic Rock for public concerts and statewide adjudicated festivals. Grade level counselors will receive an enrollment form signed by the director for each student.

Instruments Used Include: 2 guitars. 2 basses, 2 Percussionists, 2 pianists- Rhythm Section
Winds- Saxophones, Trombones and Trumpets.

Vocals: When appropriate, will be added through collaboration with students recommended by our Choir Director.

Theatre Arts 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	6210

Theater Arts 1 is an acting class designed to guide students to finding characterizations, motivations, and help with improvisation through scenes, monologues, short plays, and self-written plays. The first part of this class teaches the basics of acting through theatre games and activities. The culmination of this class is to present a short one-act play. In addition, students will review professional performances and learn how to critique performers and help their peers progress throughout the semester.

Theatre Arts 2

Grades	Credits	Prerequisites	Course #
10-12	1	6210 – Theatre Arts 1	6220

Theatre 2 is a more focused approach to acting. Students will participate in scenes, independent features, and hopefully the main stage shows. Students will learn various skills such as stage combat, characterization, improvisation, acting exercises, and environment interaction. They will also discover numerous ways to form characters and improve scenes. Improvisation is also a strong component of this class-so be prepared to laugh!

Theatre Arts 3

Grades	Credits	Prerequisites	Course #
11-12	1	6220 – Theatre Arts 2	6240

Theatre 3 is a continuation of the concepts introduced in Theatre 2. While it will run concurrent with Theatre 2, Theatre 3 takes you a bit further along the acting process and starts looking into the world of directing. For some scenes, you will be directing Theatre 2 scenes and adding technical elements to show your concept in the final performance. As with other theatre classes, you will be performing monologues, scenes, one-acts, patchwork, and plenty of improvisation games! However, since you have completed all the methods of Theatre 1 and Theatre 2, it will be time to form your own method of how to develop a character. Pulling form the other acting philosophies, develop your own system that works for you!

Beginning Art

Grades	Credits	Prerequisites	Course #
9-12	1	None	6010

In Beginning Art, two-dimensional and other drawing techniques are studied. The major emphasis is on drawing, but color techniques are included. The students are responsible for keeping a sketchbook and supplying their own materials.

Photography

Grades	Credits	Prerequisites	Course #
10-12	1	6010 – Beginning Art	6013

Photography class is an intermediate level class which offers art instruction through photographic techniques. This class introduces the exploration of the elements of art and the principles of design in a manner that allows them to express themselves photographically. Students are responsible for keeping a portfolio and supplying their own materials. Use of a cell phone for taking pictures is required.

Intermediate Art

Grades	Credits	Prerequisites	Course #
10-12	1	6010 – Beginning Art	6020

Intermediate Art offers instruction in a variety of mediums including pen and ink; chalk pastel; watercolor and acrylic paints. This class introduces the exploration of color in art while providing an understanding of creative mediums. It also focuses on further development of student proficiency in the elements of art and principles of design. Students are responsible for keeping a sketchbook and supplying their own materials.

Advanced Studio Art

Grades	Credits	Prerequisites	Course #
11-12	1	6012 – Beginning Art or 6020 – Intermediate Art	6030

This class primarily focuses on concept rather than technique. It is assumed that students entering this class will have the strong foundations in technique that it takes to produce conceptually original art works of the highest caliber. This course serves as a gateway to Advanced Placement Studio Art. Students are responsible for supplying a sketchbook along with any other supplementary materials beyond what the school can provide.

AP Studio Art

Grades	Credits	Prerequisites	Course #
12	1	6020 – Advanced Studio Art	6035

The AP Studio Art program is intended for highly motivated students who are seriously interested in studio art and have completed Advanced Art or have instructor approval in order to achieve AP Studio Art credit students must complete additional work outside class in order to complete a portfolio. The completed portfolio will contain a minimum of 29 works of art. This work can stem from Beginning Art through AP Art. The student's final evaluation is based not upon a written exam, but rather on this portfolio. Each piece will be digitally photographed and then evaluated by the College Board.

Physical Education Courses

Freshman PE/Health – Girls and Boys

Grades	Credits	Prerequisites	Course #
9	1	None	7010 – Boys 7011 – Girls

This course is designed to educate individuals on the importance of physical activity and health. Physical education will include activities such as proper stretching techniques, cardiovascular endurance and an introduction to basic skills in a variety of team and individual sports. Health education will focus on concepts such as nutrition, human body systems, drug education and other health aspects. Health education will also help students learn specific lifestyle skills they can use beyond the classroom.

Sports Performance (Weights)

Grades	Credits	Prerequisites	Course #
9-12	1	7010 – Boys PE or 7011 – Girls PE	7050

Students will participate in activities designed to improve their physical fitness. These will include activities in the areas of cardiovascular fitness, flexibility, muscular strength and endurance. Fitness testing will be included. The students will be shown lifts, safe spotting techniques and how to follow designed programs. This course may be repeated for credit with instructor approval.

Advanced Sports Performance (Weights)

Grades	Credits	Prerequisites	Course #
10-12	1	7050 – Sports Performance (Weights)	7051

Sports Performance is designed for athletes who are playing sports at Mingus Union High School. This course provides a supervised and physiologically sound weight program which aids in the prevention of athletic injury, increases athletic performance, and promotes self-confidence and self-esteem. This course also provides the opportunity for athletes to practice speed, agility, and conditioning skills in an outside setting. This course may be repeated for credit with instructor approval.

Advanced Sports Training

Grades	Credits	Prerequisites	Course #
10-12	1	• A passing grade in Freshman PE • Must have been a VARSITY athlete at least one year prior. • Course teacher approval, AD approval, and varsity coach recommendation IF a student athlete is not a returning varsity athlete.	

The Advanced Sports Training course is set up to enable Mingus Varsity student-athletes the opportunity to develop their strength, speed, agility, and injury prevention for interscholastic sports. Sports-specific lifting, training, nutrition, and recovery will increase the athletic ability of each student while raising the competitiveness of the MUHS athletic programs. Each student will participate in either in-season or out-of-season workouts. Students will be provided the opportunity to gain experience leadership skills, sports psychology, and college scholarship preparation. In addition, this class is an avenue for Mingus' student-athletes to build unity, individual pride, team/sport program pride, Mingus atmosphere and facility pride, and camaraderie with their fellow students.

Career & Technical Education Courses (CTE)

Agricultural Science 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9010

This course is the introductory class in the Agricultural Program. Classroom instruction includes plant science, small animal production, greenhouse production, environmental studies, plus leadership and team building. Students in this class enjoy a hands-on experience. Skills are tested in the many contests the FFA National Organization has to offer. Students are required to have an individual project related to agriculture to promote work ethic and enhance workplace skills. Examples of these projects are raising animals for sale, developing gardens, raising fish, agriculturally related science experiments, etc. Outside-of-class projects are called SAE's (Supervised Agricultural Experiences) and are required in order for students to extend their learning and develop their work ethic and workplace skills. Participation in FFA is mandatory and is a part of the state required curriculum.

Agricultural Science 2 (Dual Enrollment)

AGE 100 – Introduction to Equine Science (4 Yavapai College Credits)
AGE 120 – Introduction to Animal Industry (4 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
10-12	1	9010 – Agricultural Science 1	9020

This course covers the biological world as explored through hands-on labs. This course covers the advanced study and practices of livestock which include horses, swine, cattle, sheep and poultry. Units covered in this class include equine science, ecology, plant and animal genetics, and livestock production. Outside-of-class projects called SAE (Supervised Agricultural Experience) are required in order for students to extend their learning and develop their work ethic and workplace skills. State Biology Standards are taught through a full year of Applied Biological Systems. Participation in FFA is mandatory and is a part of the state required curriculum. **Students completing a full year of Agriscience 2 will earn the equivalent to a Biology credit accepted at all Arizona Universities.**

Agricultural Science 3 (Dual Enrollment)

AGS - 261 – Aquaculture Science (4 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
11-12	1	9020 – Agricultural Science 2	9030

Technical information demonstrations and hands-on practicum will be presented in the above course subject areas. Students are required to select an individual project related to agriculture to promote work ethics and enhance workplace skills (SAE). This course also includes an introduction to the aquaculture and fisheries industry and the related career opportunities. Topics include ecology, basic fish culturing environments, species identification of fresh and saltwater fish, fish biology, disease prevention and treatments and fish feeds and feeding techniques. DE students will visit Bubbling Ponds in Page Springs to harvest endangered species for reintroduction in native waterways and participate in Trout in the Classroom. Participation in FFA is mandatory and is a part of the state required curriculum.

Agricultural Science 4 (Dual Enrollment)

AGS – 120 – Introduction to Animal Industry (4 Yavapai College Credits)

Grades	Credits	Prerequisites	Course #
11-12	1	9030 – Agricultural Science 3	9040

This course is an advanced level course and a continuation of the Agriscience curriculum. Students are required to select an individual project related to agriculture to promote work ethics and enhance workplace skills (SAE). Emphasis is on greenhouse production, sustainability, and college and career readiness. The course covers veterinary science with an emphasis on lab, surgical, and clinical practices. Proper use of veterinary medicine and calculations as well as anatomy of small and large animals. Participation in FFA is mandatory and is part of the state required curriculum. **Students that complete Agriscience 4 will earn a science credit that is accepted by Arizona Universities.**

Auto Technology 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9310

This course provides students with a foundation of automotive theory to progress into more advanced sections of auto such as in Auto 2 and Auto 3. This course begins with safety in the shop environment and careers in the industry then progresses into a basic understanding of the complete automobile. Content includes maintenance, tools, fasteners, tires, brakes, alignment, steering, suspension, basic electricity and engines. This course is a prerequisite for Auto 2. Students in Auto 1 are required to actively participate in our Auto Club/ Skills USA at MUHS.

Auto Technology 2

Grades	Credits	Prerequisites	Course #
10-12	1	9310 – Auto Technology 1	9320

After gaining a strong foundation for the automobile in Auto 1, students will have the opportunity to apply their knowledge and understanding of the operation and repair of steering, suspension, brakes and alignment. This course is a prerequisite for Auto 3. Passing Auto 1 with C's or better in both semesters is a prerequisite for Auto 2. Students in Auto 2 are required to actively participate in our Auto Club/Skills USA at MUHS.

Auto Technology 3

Grades	Credits	Prerequisites	Course #
11-12	1	9320 – Auto Technology 2	9330

In Auto 3, students use their skills acquired in previous courses to understand advanced technology used in modern automobiles, students who are in Auto 3 are provided the opportunity to attend competitions to test their skill in automotive knowledge and leadership. Instruction includes engine rebuilding and repair, electric systems diagnostics. Students who successfully pass all their courses are considered completers in automotive technology. Passing Auto 2 with C's or better in both semesters is a prerequisite for Auto 3. Students in Auto 3 are required to actively participate in our Auto Club/Skills USA at MUHS.

Business Management

Grades	Credits	Prerequisites	Course #
9-12	1	None	9100

The Business Management instructional program prepares students to plan, organize, direct, and control the functions and processes of a firm or organization. Students in the introductory class will be exposed to many facets of starting a business. This will include accounting, personal finance, budgeting, ethics, management, marketing and employability skills. Students will also explore career opportunities and learn to apply problem solving and decision-making skills to various business-related situations. Business concepts such as checking accounts, saving, and investing, personal finance is integrated throughout the course in order to help students prepare for the economic role of consumer, worker, and citizen. Students enrolled in the course can join Future Business Leaders of American (FBLA), which is the career and technical student organization associated with the Business Management program. FBLA opportunities include leadership development, field trips, travel, and competition.

Advanced Business

Grades	Credits	Prerequisites	Course #
10-12	1	9100 – Business Management	9110

This class will expand upon the knowledge learned in Business Management 1. Students will learn and demonstrate marketing concepts. Students will be able to explain the general management practices in use at the various levels of management within a business, small or large. Students will learn Human Resource Management functions and how health, safety, and ethics play a key role in the productivity of the workplace. Students will learn project management functions and how to formulate a simple business plan. Students will learn additional details on how accounting information is used to provide financial analyses to make informed business decisions. Students will learn about the various forms of credit and what determines a credit history. Students will also learn about the risk and return of short-term and long-term investments. Students enrolled in this course can also participate in FBLA.

CADD 1 – Computer Aided Drafting & Design

Grades	Credits	Prerequisites	Course #
9-12	1	None	9410

This course will provide you with an introduction to drafting knowledge and skill. You will learn about the various employment opportunities in the CADD field. Two-dimensional style drawing techniques will be used to create single and multi-view drawings. International mechanical drawing standards are emphasized. AutoCAD2010 is the software used. This course is required if you want to take CADD 2 or CADD 3. Enrollment in CADD 1 allows for participation in Skills USA.

CADD 2 – Computer Aided Drafting & Design

Grades	Credits	Prerequisites	Course #
10-12	1	9410 – CADD 1	9420

CADD 2 will give you the opportunity to develop three-dimensional drawing skills through the production of full-color solid models and advanced 2-dimensionlal drawing. These solid objects will then be physically produced with the 3-dimensional printer. Solid Works 2018 solid modeling software is used. Enrollment in CADD 2 allows for participation in Skills USA.

CADD 3 – Computer Aided Drafting & Design

Grades	Credits	Prerequisites	Course #
11-12	1	9420 – CADD 2	9430

You will learn advanced applications of computer-aided drafting with special emphasis placed upon Architectural Design. You will design and draw a complete set of house plans. AutoCAD 2011 is the software used. A state end-of-course examination is required.

CADD 4 – Computer Aided Drafting & Design

Grades	Credits	Prerequisites	Course #
12	1	9430 – CADD 3	9440

You will learn advanced applications of computer-aided drafting with special emphasis placed upon Advanced Solid Modeling. Solid Works 2010 is the software used. You will further your solid modeling skills through advanced projects with an emphasis on motion and functionality of design. Participation in Skills USA is encouraged. A state end of course examination is required. A national Solid Works certification examination is available upon request. An examination fee is required.

Coding 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9150

This course begins the progression of the Coding in Python sequence, introducing the early fundamentals of coding. It blends detailed technical knowledge with engaging coursework, allowing students free-range creativity without sacrificing academic rigor. The course emphasizes logical thinking and problem-solving, critical thinking, and real-world coding application. Students taking this course will receive the basic tools and building-blocks to code not only the assigned programs, but also to design and develop their own unique games and interactive experiences.

Coding 2

Grades	Credits	Prerequisites	Course #
10-12	1	9150 – Coding 1	9151

This course builds on the basics learned in Coding 1, rounding out the students' knowledge of CS coding fundamentals. The course introduces image-based graphics, allowing students to produce the sorts of familiar games and dynamic interactive programs that they are already enthusiastic about. Emphasis is on code organization and the process of designing larger programs.

Digital Filmmaking 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9810

Digital Media/Filmmaking 1 focuses on learning the unique features of digital software, multi-media equipment, and basic video production which includes the production processes, including script writing, planning for a short video shoot, and the use of audio and visual equipment.

Digital Filmmaking 2

Grades	Credits	Prerequisites	Course #
10-12	1	9810 – Digital Filmmaking 1	9820

Digital Media/Filmmaking 2 will reinforce the skills learned in Digital Media Filmmaking 1 and provide advanced level instruction for more complex productions/projects, photo editing through the Photoshop software as well as video creation and editing through Final Cut Pro and Adobe Premiere using high tech media equipment.

Digital Filmmaking 3

Grades	Credits	Prerequisites	Course #
11-12	1	9820 – Digital Filmmaking 2	9830

Digital Media/Filmmaking 3 students will work independently and proficiently in Photoshop and Filmmaking by applying the skills of the principles of design. Students will animate graphics in 2D and 3D under the guidance of the instructor.

Digital Filmmaking 4

Grades	Credits	Prerequisites	Course #
12	1	9830 – Digital Filmmaking 3	9840

Digital Media/Filmmaking 4 students will demonstrate proficiency in multimedia skills and filmmaking skills independently. The goal is to create professional level projects in the community, businesses and organizations, short films, and graphic design projects for various competitions.

Graphic Design 1

Grades	Credits	Prerequisites	Course #
9-11	1	None	9860

Graphic Design is a creative process that combines art and technology to communicate ideas. This course will give students a foundation in Graphic Design by introducing them to the various aspects of the Graphic Design field. Students will work on projects utilizing industry standard software and hardware in a classroom environment that simulates a real-world design studio. They will be introduced to the basic design principles and processes that must be followed to successfully complete projects that meet specific criteria. Students will also become familiar with production techniques with industry standard software such as Adobe Photoshop, Illustrator and InDesign and postproduction techniques for finishing, mounting and the creation of mock-ups.

Sports Medicine 1

Grades	Credits	Prerequisites	Course #
10-12	1	None	9451

Sports Medicine 1 is recommended for students who are considering going specifically into sports medicine or into any health care or medical related field. Emphasis will be placed on athletic training and orthopedic medicine. The purpose of this course is to provide students with an anatomical and physiological understanding of the major systems of the human body: skeletal, muscular, respiratory, circulatory systems, anatomical disorders, and exercise physiology. The prevention, cause/effect, treatment, and rehabilitation of athletic injury, standard first aid, athletic training procedure, and CPR will be taught.

Sports Medicine 2

Grades	Credits	Prerequisites	Course #
11-12	1	9451 – Sports Medicine 1	9452

Sports Medicine 2 is recommended for students who are considering going specifically into sports medicine or into any health care or medical related field. The student must have taken and completed Sports Medicine 1. Emphasis will be placed on expanding the knowledge and skills attained in Sports Medicine 1.

Sports Medicine Internship

Grades	Credits	Prerequisites	Course #
12	1	9451 – Sports Medicine 1 9452 – Sports Medicine 2 CPR Certification Instructor Approval	9455

This internship opportunity provides students with practical, hands-on experience in the field of sports medicine during treatments, practices, or games for our athletics programs on campus. Students will gain valuable insights into the prevention, evaluation, and treatment of athletic injuries under the guidance of our experienced athletic trainer and other healthcare professionals.
This internship has limited spots available which is subject to an application process if needed

Stagecraft 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	6230

This course is an introduction to the behind-the-scenes activities of theatre. Students will learn the fundamental hierarchy, terminology, history, safety, and basic skill sets that make a production happen. This is not an acting class. Content of this course will include scenery construction, scene painting, lighting, sound, and rigging. The curriculum of this class will be geared towards a “hands-on” experience in the production of our main stage shows.

Stagecraft 2

Grades	Credits	Prerequisites	Course #
10-12	1	6230 – Stagecraft 1	6231

This course will be geared toward the in-depth study of technical theatre. The students will explore scenery, lighting, costumes, and sound for theatre productions. Advanced construction scene painting and rigging techniques will be introduced and used in our main stage productions. Lighting, sound, and costuming are covered in this course through extensive practical application.

Stagecraft 3

Grades	Credits	Prerequisites	Course #
11-12	1	6231 – Stagecraft 2	6233

This course is designed as in-depth training for those that have completed Technical Theatre 1 and 2. Special emphasis will be lighting, sound and scenery. Mechanics will be explored in the curriculum as it pertains to the moving of scenery. Students enrolled in Technical Theatre 3 will take on further responsibilities as it pertains to setting up the smaller shows that occur in the theatre and around campus.

Stagecraft 4

Grades	Credits	Prerequisites	Course #
12	1	6233 – Stagecraft 3	6235

This course is designed for students who have successfully completed Stagecraft 1, 2, and 3. The emphasis of this course will be student management of mainstage production in the areas of scenery, lighting, technical direction, and sound. Student technical direction and implementation of an entire production is the desired conclusion of this fourth level class.

Welding 1

Grades	Credits	Prerequisites	Course #
9-12	1	None	9510

Students will be introduced to four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading and measuring. Upon completion of this course, students will be able to perform general entry level structural welding for fabrication and machine shops. Welding 1 students will complete the Skills USA PDP Level 1.

Welding 2 (Dual Enrollment)

Grades	Credits	Prerequisites	Course #
10-12	1	9510 – Welding 1	9520

Students will be extending their knowledge of the four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading, and measuring. Upon completion of this course students will be able to perform general entry level structural welding for fabrication and machine shops. Welding 1 students will compete in the SkillsUSA PDP Level 1.

Welding 3 (Dual Enrollment)

Grades	Credits	Prerequisites	Course #
11-12	1	9520 – Welding 2	9530

Students will improve their skills in the four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading and measuring. Upon completion of this course, students will be able to perform general entry level welding for fabrication and machine shops. Welding 3 students will complete the SkillsUSA PDP Level 3. Students can earn the Structural Welding Certificate.

Welding 4 (Dual Enrollment)

Grades	Credits	Prerequisites	Course #
12	1	9530 – Welding 3	9540

Students will improve their skills in the four main welding processes, SMAW, GMAW, FCAW, and GTAW. Students will also learn general shop safety, thermal cutting processes, welding symbols, print reading and measuring. Upon completion of this course, students will be able to perform general entry level welding for fabrication and machine shops. Welding 4 students will complete the SkillsUSA PDP Level 4. Students can earn the GMAW and GTAW Certificate.

VACTE Central Campus Career and Technical Education

Certified Nursing Assistant (Dual Enrollment)

AHS 114 – Nursing Assistant (3 Yavapai College Credits)
AHS 114 – CNA Clinical Internship (3 Yavapai College Credits)
Students will be able to earn the CNA Completion Certificate which is a prerequisite for the RN program at YC.
Only one semester but recommend registering for Phlebotomy so it is a full school year course

Grades	Credits	Prerequisites	Course #
11-12	1.5	VACTE Application and Approval Accuplacer Test – Reading and Math Proficiency	9050

This course is designed for students interested in the nursing field but also recommended for students considering going into any health or medical related field. This class includes classroom, lab practice and "hands-on" clinical instruction at a local hospital and nursing home. The focus will be on basic nursing assistant skills, resident/patient needs and rights, medical terminology, communication and ethical/legal aspects of care and emergency procedures. Students will also earn a Heath Care Provider CPR card. Passing this course qualifies students to take the State Certified Nursing Assistant exam leading to state certification **and will fulfill one of the prerequisite requirements for the Registered Nursing program at Yavapai College.** CNA students meet on site at the Cottonwood Verde Valley Medical Center for training. We highly recommend taking it with the Phlebotomy/Lab Assistant course the opposite semester. Course Times: Monday – Thursday, 7:00am-9:35am or 1:20pm-3:55pm plus approximately 4 Saturdays. Students must provide their own transportation.

Phlebotomy& Lab Assistant (Dual Enrollment)

AHS 100 – Fundamentals of Health Care (3 Yavapai College credits)
AHS 105 – Phlebotomy (2 Yavapai College credits)
AHS 130 – Medical Terminology (3 Yavapai College credits)
Only one semester but recommend registering for CNA so it is a full school year course.

Grades	Credits	Prerequisites	Course #
11-12	1.5	VACTE Application and Approval Accuplacer Test – Reading and Math Proficiency	9052

This course is designed for students interested in medical laboratory assistant/phlebotomy work and recommended for students considering going into any health or medical related field. Students are prepared to perform clinical procedures in a laboratory setting including performing phlebotomy skills, various laboratory tests, equipment operation and maintenance, sterilization, and safety. Students are concurrently enrolled with Yavapai College and receive 8 college credits leading toward Phlebotomy Technician certification. Highly recommended to take it with the Certified Nursing Assistant course the opposite semester. Classes are held at the Clarkdale Yavapai College campus Times: Monday – Thursday, 7:00am-9:35am or 1:30pm-3:55pm. Students must provide their own transportation.

Construction Technology 1 and 2 (Dual Enrollment)

CBT 100 – Basic Carpentry (8 Yavapai College credits)
CBT 110 – Basic Carpentry II (8 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
10-12	3	VACTE Application and Approval	9200

This course will introduce and train students in the basic skills necessary to pursue a career in construction. This course covers foundations, flooring, framing, plumbing, electrical, sheet rock, windows, doors, cabinetry, blueprint reading, use of hand tools, surveying, and construction math. Models to full-sized partitions are constructed in the shop. Projects at actual job sites are included with possible paid internship. Upon completion of this course, students will have the opportunity to earn 16 dual enrolled credits from Yavapai College and a Yavapai College certification in Construction Technology. The student will test for certification in Forklift and Heavy Equipment Operations, OSHA-10, First Aid/CPR/AED certification and Certification by the National Center for Construction Education and Research (NCCER) Core and Level 1 Construction Skills Industry Certification. Courses are held off campus at VACTE in Cottonwood. Course Times: Monday-Thursday, 7am-9:35am or 1:20pm-3:50pm plus approximately 8 Saturdays. Students must provide their own transportation.

Construction Technology 3 and 4 (Dual Enrollment)

CBT 115 – Residential Electrician (3 Yavapai College credits)
CBT 120 – Residential Plumber (5 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
10-12	3	9200 - Construction Technology 1 and 2	9201

This course will teach advanced skills necessary to pursue a career in construction. This course covers foundations, flooring, framing, plumbing, electrical, sheet rock, windows, doors, cabinetry, blueprint reading, use of hand tools, surveying, and construction math. Models for full-sized partitions are constructed in the shop. Projects at actual job sites are included. An internship (possibly paid) in construction with a local construction contractor will be made available. Upon completion of this course, students will have the opportunity to test for certification in Forklift and Heavy Equipment Operation, OSHA-10, First Aid/Adult CPR certification, and Certification by the National Center for Construction Education and Research (NCCER) Level 1 & 2 Construction Skills. The opportunity to earn up to 12 dual enrollment credits from Yavapai College in Electrical and Plumbing. Classes are held off campus at the VACTE campus in Cottonwood. Course Times: Monday– Thursday, 7:00 am -9:35 am or 1:20 pm - 3:50 pm plus approximately 8 Friday or Saturdays. Students must provide their own transportation.

Cosmetology - Hairstyling 1 and 2 (Dual Enrollment)

500+ Hours and Two Years to Complete the Full Program to be qualified to test for the Arizona State Cosmetology and Barbering State Board Certification

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval **12th grade students** must commit to coming back for a full year after graduation to complete the program	9200

This course will introduce and train students in the basic to advanced skills necessary to pursue and sit for a state certification from Arizona Board of Cosmetology & Barber 1000-hour Hairstyling Certification. The Cosmetology Program is a two-year program that students will take during their 11th and 12th grade school years.

Students will be introduced to the physical structure of hair and how it grows. Students will apply the guidelines for proper shampooing, conditioning and rinsing for practical applications. Students will learn the proper procedure and techniques needed to complete successful scalp treatments on a variety of clients and scalp conditions Students will be introduced to all aspects of cosmetology past and present, including communication, professionalism, safety and sanitation. Students have a brief overview of many different salon services by mannequin demonstration. This class explains the basics of hair design, finger waving, pin curls, and what tools are used to create desired results. Students will then learn practical applications of all the classic techniques & elements of hairstyling. This course will also introduce the basics of haircutting. Students will learn about the tools needed to achieve basic haircuts, as well as how to use each tool. Body position and hand elevation will be stressed during these classes. Students will practice performing these haircuts repeatedly until standards are met.

Students will have the opportunity to explore wigs, hair extensions, braids and weaves. This course will explain how to measure a wig. This course prepares the students for chemical texturizing services for hair. Students will learn the basics of hair relaxing while using mock chemicals and how to prepare the hair to receive chemical processes. Students will apply actual chemicals to process the mannequin hair to see various results. This class teaches the students all the basic hair colors. Students will learn hair color chemistry and consultation styles. Included in this course is the color wheel and how to use it to produce beautiful hair color results.

Courses are held off campus at the VACTE Cosmetology Building located at 418 N. 15th St. in Cottonwood. Course Times: Monday-Thursday, 7:00 am-9:35 am or 1:20 pm-3:50 pm plus approximately 12 Saturdays throughout the year for clinicals. Students must provide their own transportation.

Cosmetology 3 and 4 (Dual Enrollment)

500+ Hours

Grades	Credits	Prerequisites	Course #
12	3	Successful completion of Cosmetology 1 – 2 with a 79% and at least 500 hours of class instruction and clinicals from previous year	9201

This course reinforces previously taught techniques and expands upon them. Students will advance their haircutting skills to include texturizing, razor cutting and style design. This course will also cover the advanced techniques needed to chemically change the structure of the hair. This course reveals more in-depth color information behind hair color. Students will use their skills from previous courses to consult, recommend and achieve professional color results on all different types of hair. Students will be able to confidently complete all basic cuts as well as add elements of style into a cut to personalize them.

Courses are held off campus at the VACTE Cosmetology Building located at 418 N. 15th St. in Cottonwood. Course Times: Monday-Thursday, 7:00am-9:35am or 1:20pm-3:50pm plus approximately 12 Saturdays throughout the year for clinicals. Students must provide their own transportation.

Education Professions – Teacher Training 1 & 2

EDU 200 – Introduction to Education (3 Yavapai College credits)
EDU 210 – Cultural Diversity in Education (3 Yavapai College credits)
EDU 222 – Intro to Exceptional Learning (3 Yavapai College credits)
EDU 230 – Language & Literacy Experience (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval Accuplacer Test – Reading Proficiency	9211

This course is designed to introduce students to the knowledge and skills necessary to be successful in the exciting world of teaching. Students will explore learning styles, multiple intelligences, stages of development, creative projects, and education of students of all ages. Creation, design, and implementation of lessons will be realized by teaching at various educational institutes of student interest. **Students will be immersed in a teaching experience of the grade levels the student desires during the practicum portion of the course two to three days a week.** Upon completion of the course the student will have the opportunity to earn up to 12 dual enrolled credits from Yavapai College in education which will transfer to the University teacher training programs. The students will have the opportunity to earn Para-professional in Education Certification (WorkKeys), Level 1 State Fingerprint Certification, and CPR/First Aid/AED Certification. Classes are held off campus at the VACTE campus in Cottonwood. Course Times: Monday-Thursday, 7am-9:35am. Students must provide their own transportation.

Education Professions – Teacher Training 3 & 4

11 Yavapai College credits

Grades	Credits	Prerequisites	Course #
12	3	9211 VACTE Application and Approval	9212

This course will continue to grow the students into successful teachers. The students will earn an additional 12 college credit5s in dual enrollment. The courses will be EDU 240 - Family & Comm Partnerships, ECE 234 - Child Development, EDU 180 - Technology in Education, and Arizona and US Constitution. **They will practice teaching and possible paid internship in an educational instruction practicum three days a week.** Students will be immersed in a teaching experience of the grade levels the student desires during the practicum portion of the course. Students can continue at Yavapai College and complete an Associates of Arts in Elementary Education. The students can then transfer to a state university to complete a bachelor's degree in Elementary Education and earn an AZ State Teaching Certificate. Students have a potential opportunity to enter a program for Teacher Certification that would allow for loan forgiveness with a commitment to 5 years of teaching in Arizona. Course Times: Monday-Thursday, 1:20 pm to 3:45 pm. Students must provide their own transportation.

Fire Certification Academy 1 & 2

FSC 104 – Hazardous Materials (3 Yavapai College credits)
FSC 105 – Firefighter Certification Academy (12 Yavapai College credits)
FSC 155 – Basic Wildland Firefighting (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
12	3	VACTE Application and Approval	9920

Students will be introduced to the essentials of firefighting including fire department operations, firefighting equipment, and safety with an emphasis on the chemistry of fire, techniques of firefighting and utilization of equipment in fire suppression. Upon completion of this course, students will have the opportunity to test for Hazardous Materials Certification, State Fire Fighter I & II Certification, S130 and S190 Forest Service Wildland Certification, IS100 FEMA Incident Command and CPR/First Aid/AED Certification. This course is Dual Enrolled through Yavapai College and will allow students to earn 18 college credits. This course is held off campus at the Verde Valley Fire Center in Cottonwood. Course Times: Monday-Thursday, 7:00 am – 9:35 am plus approximately 8 Saturdays. Students must provide their own transportation.

HVAC I – Heating Ventilation Air Conditioning

HVA 100 – Intro to HVAC I (3 Yavapai College credits)
HVA 111 – Basic Electricity for HVAC (3 Yavapai College credits)
HVA 110 – Intro to HVAC II (3 Yavapai College credits)
HVA 225 – Heating Tech 1 (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval	9650

This course prepares students for a career with basic skills necessary in Heating ventilation Air Condition (HVAC). This course covers Introduction to HVAC, Basic Electricity for HVAC Technicians, EPA Refrigerant technology, HVAC circuits and motors, Heating and HVAC troubleshooting. Students will work on industry standard HVAC equipment and learn how to maintenance and install HVAC units. Upon completion of this course, students will have the opportunity to earn 24 college credits from Yavapai College and a Yavapai College certification in HVAC Installation & Maintenance Technician Certificate. The student will test for certification EPA Refrigerant Certification and OSHA-10. Courses are held off campus at Yavapai College-Clarkdale Campus in the Skilled trade Center. This is a Tow Year Program to complete the certificate for YC. Course Times: Tuesday-Thursday from 1:30pm-3:45pm plus online work throughout the week. Students must provide their own transportation.

Law Enforcement and Dispatch 1 & 2

AJS 260 – Procedural Criminal Law (3 Yavapai College credits)
AJS 290 – Constitutional Law (3 Yavapai College credits)
AJS 170 – Forensic Science (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
11-12	3	VACTE Application and Approval	9650

This course will introduce and train students in the basic to advanced skills necessary to pursue a career in Law Enforcement and Emergency Telecommunications. This course covers instruction and hands-on practice in law enforcement history and theory, operational command leadership, proper weapon techniques and skills, forensics science, investigation/detective skills, administration of public police organizations, labor relations, incident response strategies, legal and regulatory responsibilities, prison guard skills and dispatch skills in police and emergency management services. Practice on real life situations related to dispatch and law related situations with computer generated simulations. Upon completion of this course, students will have the opportunity to test for certification in APCO-Public Safety Telecommunication Dispatcher and Arizona Dept. of Public Safety-Security Guard Certification. Students will have the opportunity to earn 12 credits towards the Yavapai College criminal justice AA degree. Classes are held off campus at the VACTE campus in Cottonwood. Course Times: Course Times: Monday-Thursday, 7am – 9:35am and possible 1:20 pm – 3:45 pm. Students must provide their own transportation.

Law Enforcement and Dispatch 3 & 4

AJS 230 – The Police Function (3 Yavapai College credits)
AJS 200 – Current Issues in Criminal Justice (3 Yavapai College credits)
AJS 270 – Community Relations (3 Yavapai College credits)

Grades	Credits	Prerequisites	Course #
12	3	VACTE Application and Approval 9650 – Law Enforcement and Dispatch 1 & 2	9651

This course will add to the foundation of Law Enforcement provided in Law Enforcement 1 & 2. **Students will participate in ride along with police officers in the Verde Valley and internships with dispatch.** Also, they will be able to train and observe in a 911 call center. Practice on real life situations related to dispatch and law related situations with computer generated simulations in arrest and shooting practice skills. Upon completion of this course, students will have the opportunity to test for certification in APCO-Public Safety Telecommunication Dispatcher and Arizona Dept. of Public Safety-Security Guard Certification. Students will have the opportunity to earn 12 additional credits towards the Yavapai College criminal justice AA degree. The classes are held off campus at the VACTE campus in Cottonwood. Course Times: Monday-Thursday, 7am – 9:35am and possible 1:20 pm – 3:45 pm. Students must provide their own transportation.

Electives

AP Computer Principles

Grades	Credits	Prerequisites	Course #
10-12	1	None	9621

AP Computer Science Principles is a complete, full-year course that focuses on the 5 “Big Ideas” in computer science using project-based approaches. The course introduces students to the creative aspects of programming, abstractions, algorithms, large data sets, the Internet, cybersecurity, and how computing impacts our world. Students will develop the computational thinking skills needed to fully exploit the power of digital technology and help build a strong foundation in core programming and problem-solving. Using project-based lessons and materials throughout, students will work to address real-world problems and design solutions to put computational thinking into practice. These culminate in a capstone Performance Task project where students can demonstrate what they've learned - to become creators, instead of merely consumers, of the technology all around them. This course will prepare students for the end-of-course AP Exam.

AP Computer Science

Grades	Credits	Prerequisites	Course #
10-12	1	None	9620

Students will learn to design and implement computer programs that solve problems relevant to today’s society, including art, media, and engineering. AP Computer Science A teaches object-oriented programming using the Java language and is meant to be the equivalent of a first semester, college-level course in computer science. It will emphasize problem solving and algorithm development and use hands-on experiences and examples so that students can apply programming tools and solve complex problems. Pre-requisite: Algebra I; Algebra II is recommended. This course will prepare students for the end-of-course AP Exam.

AP Psychology

Grades	Credits	Prerequisites	Course #
11-12	1	2020 – English 10 with a C or higher 2025 – Honors English 10 with a C or higher	4070

Students develop understanding of the theoretical underpinnings of psychology, psychological theories, research strategies, brain and nervous system function, the role of personality in behavior, psychological disorders and the range of available treatments. In addition, students understand current laws and ethics regarding research and the field of mental health.

AVID – Advancement Via Individual Determination

Grades	Credits	Prerequisites	Course #
9-12	1	Application and Instructor Approval	9th – 0160 10th – 0161 11th – 0162 12th - 0163

The AVID (Advancement Via Individual Determination) course is an elective class for students who are college and career bound. The AVID curriculum focuses on writing, inquiry, collaboration, reading and organization (WICOR) through the AVID High School Curriculum in both teacher and tutor-led activities. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. Note-taking, outlining, writing, speaking, reading, test-taking strategies and self-awareness are stressed. In addition, the course includes college motivational activities and preparation for ACT, SAT and AP courses.

AVID Academic Tutor

Grades	Credits	Prerequisites	Course #
10-12	1	Instructor Approval	0116

AVID Tutors work with small groups of 9-11th grade peers during tutorial lessons in the AVID elective class. Peer tutors are trained in AVID strategies to help strengthen their peers' understanding of information across all classes. Peer tutors receive a letter grade and are eligible for most AVID field trips.

Internship

Grades	Credits	Prerequisites	Course #
12	1	Application and Instructor Approval	0325

The mission of the MUHS Internship Program is simple…College and Career Ready Students! This program is designed to give students real world experience in various career fields. We are looking for internships that allow students to see beyond entry level positions and experience the higher-level inner workings of a business, school or community municipality. Our goal is to motivate students to continue with post-secondary education and perhaps return to our community as a prepared and educated workforce.

Leadership (Student Council)

Grades	Credits	Prerequisites	Course #
9-12	1	Application and Instructor Approval	0400

Leadership class is designed to prepare students to become school and community leaders.

- Student Council elected officers required to be in the class (Student Body President, Senior Class President, Senior Class VP, Junior Class Pres., Junior Class VP, Spirit Leader, Secretary/Treasurer)
- Application required for those wanting to be class representatives (current 9^{th} – 11^{th} graders)
- Application required for 8^{th} graders wishing to join in their 9^{th} grade year.
- Current high school students wishing to run for student council office need a minimum 1 year of Leadership experience (either in the Leadership class or in another club/organization)

Please see Mrs. Lyons for information regarding running for Student Council Officer positions

Peer Tutor

Grades	Credits	Prerequisites	Course #
11-12	1	Application	0115

Students who serve as peer tutors are accountable to assigned teacher or staff member for a specific period of the day.

Positions include Special Education Peer Tutor or EL Peer Tutor (Spanish speaking proficiency required)

Student Aide

Grades	Credits	Prerequisites	Course #
12	1	Application	0100

Positions include Teacher Aide, Front Office Aide, Bookstore Aide, Special Services Peer Tutor, School Counseling Aide, and Library Aide

Students who serve as aides are accountable to the assigned teacher or staff member for a specific period of the day. Clerical skills are desirable. A maximum of 1 credit can be earned for graduation in the aide positions.

Work Experience

Grades	Credits	Prerequisites	Course #
11-12	1	Local employment	0320

This course focuses on the development of workplace skills. As a pre-requisite to enrolling in the Work Experience class, students must seek out and find their own job. These jobs must be paid positions for established local employers. Students must work 5 hours per week. A signed training agreement and student worker agreement must be completed. In addition to working a minimum of 180 hours, students must complete a 1-week training course at the beginning of the year, assignments throughout the year and turn in all time sheets.

Yearbook

Grades	Credits	Prerequisites	Course #
10-12	1	Instructor Approval	9610

Yearbook is a demanding, full year, elective course that may be repeated for credit. Over the course of the year, the yearbook staff is responsible for the production of the entire MUHS yearbook. Students handle all phases of the yearbook publication except printing. Much of the work can be completed during school in the computer lab, but some must be done after school or at home. Students must commit to photo assignments of school activities such as sports, plays and other extracurricular events. Students must be committed to meeting deadlines, learning computer publication layout and writing a large number of headlines, body copy and captions. Strong writing skills are required for success in this course.