

REQUIRED COURSES BY GRADE

When choosing courses you must choose something in each of the required columns. The rest of your schedule may be elective courses of your choice.

* = Advanced course that meets a required course

9th Grade							
Math	English	Science	Military	CTE	PE	Social Studies	Fine Arts
Foundation Math	English 9	Earth Science	LET I	Exploring Computer Science	Participation Skills	Geography	0.5 Elective
Sec Math I	English 9 Honors*	Biology		Web Development		AP Geography & AP Writing*	
Sec Math I Honors*				Business Office Solutions			
Sec Math II*				Computer Programming I			

10th Grade							
Math	English	Science	Military	CTE	PE / Health	Social Studies	Fine Arts
Sec Math I	English 10	Earth Science	LET II	0.5 Elective	Health II	World Civilizations	0.5 Elective
Sec Math II Honors*	English 10 Honors*	Biology			Fit for Life		
Sec Math II		Chemistry					
Sec Math III*		Physics					

11th Grade							
Math	English	Science	Military	CTE	PE	Social Studies	Fine Arts
Sec Math III	English 11	Science Elective	LET III	Financial Literacy	0.5 Elective	US History II	0.5 Elective
Sec Math III Honors*	AP English Language*	Geology		Business 1210*		AP US History*	
Sec Math II		Chemistry		ACT Prep			
Math Personal Finance		Physics					
AP Calculus*		AP Physics*					

12th Grade							
Math	English	Science	Military	CTE	Social Studies		
Sec Math III	English 12	AP Physics*	LET IV	0.5 Elective	US Gov		
AP Calculus*	AP English Literature*	Geology			Political Science 1100*		
Math 1010	English Elective	Chemistry			0.5 Elective		
Math 1040		Physics					
Math Personal Finance		Science Elective					

UMA Graduation Requirements

English	4 credits	<i>In 12th grade, student may select from Language Arts electives if non-university bound</i>
	9th	
	10th	
	11th	
	12th	
Math	4 credits	<i>4th year may choose an additional math or CTE course that meets the math requirement</i>
	Sec Math I	
	Sec Math II	
	Sec Math III	<i>Math of Personal Finance may be substituted for Sec Math III if non-university bound</i>
	Other Math	
Science	4 credits	
	<i>must have 2 from Earth Science, Biology, Chemistry, or Physics</i>	
	Science	
	Science	
	<i>other 2 credits may be from any science courses</i>	
	Science	
	Science	
Social Studies	3.5 credits	
	9th Geography	
	10th World Civilization	
	11th US History	
	12th US Gov	
Military Education	3 credits	<i>4 credits recommended if going into the military</i>
	LET I	
	LET II	
	LET III	
	LET IV	
PE	2 credits	
	9th Participation Skills	
	10th Health	
	10th Fit for Life	
	0.5 Elective	
Fine Arts	1.5 credits	
CTE	2 credits	
	Financial Literacy	
	Digital Studies - see course catalog for courses	
	1.0 Elective	
Electives	3 credits	
Total	27 credits	

NOTES:

Cadets new to UMA after 9th grade do not have to complete all of the Military Education requirements to graduate. There are Advanced options for many of the required courses. See the Course Catalog for more information.

SY 2019: UMA High School Course Descriptions - Math

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	em or Year	Teacher	Required, Elective, or Advanced
Description							

Secondary Math I	708000090	07-08-090-01	9	12	Year	Mr. Clancy	Required
<p>Students in Secondary Mathematics I will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.</p>							

Math Foundations	707000015		9	9	Year	Mrs. Harris	Required Substitute
<p>This class is designed for students who are not ready for Secondary Math I. It will review Math 7/8 topics and prepare students to be successful in higher level math. <i>Entrance is based on MAP scores and teacher recommendation.</i></p>							

Secondary Math I Honors	708000095	708000095	9	12	Year	Mr. Clancy	Advanced Required
<p>Students in Secondary Mathematics IH will deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomenon, and in part by applying linear models to data that exhibit a linear trend. Students will use properties and theorems involving congruent figures to deepen and extend understanding of geometric knowledge. Algebraic and geometric ideas are tied together. Students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Requires a teacher recommendation. <i>Entrance is based on MAP scores and teacher recommendation.</i></p>							

Secondary Math II	7080000100	7080000105	9	12	Year	Mrs. Harris	Required
<p>Students in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations.</p>							

Secondary Math II Honors	7080000105	7080000105	9	12	Year	Mrs. Harris	Advanced Required
<p>Students in Secondary Mathematics II will focus on quadratic expressions, equations, and functions, extend the set of rational numbers to the set of complex numbers, link probability and data through conditional probability and counting methods, study similarity and right triangle trigonometry, and study circles with their quadratic algebraic representations. Requires a teacher recommendation. <i>Entrance is based on MAP scores and teacher recommendation.</i></p>							

Secondary Math III	7080000110	7080000110	10	12	Year	Mr. Winegar	Required
<p>Students in Secondary Mathematics III will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire.</p>							

Secondary Math III Honors	7080000115		10	12	Year	Mr. Winegar	Advanced Required
<p>Students in Secondary Mathematics 3 Honors will pull together and apply the accumulation of learning they have from previous courses. They will apply methods from probability and statistics to draw inferences and conclusions from data, expand their repertoire of functions to include polynomial, rational, and radical functions, expand their study of trigonometry to include general triangles, and use functions and geometry to create models and solve contextual problems. Honors students will also use logarithmic and trigonometric functions, build functions from existing functions, extend the domain of trigonometric functions using the unit circle, and prove trigonometric identities. Students completing Secondary Mathematics 1, 2, and 3 are prepared for Calculus.</p>							

AP Calculus (BC)	07040000002	7040002	11	12	Year	Mr. Winegar	Advanced
<p>Calculus BC is designed to be taught over a full high school academic year. This course will cover the first two semesters of College Calculus. Must follow College Board guidelines. Cadets must qualify to take AP Calculus by passing Secondary Math III or AP Calculus AB with a C or above, or with teacher recommendation. Cadets may receive college credit with a score of 3 or higher on the AP exam. <i>Meets 4th year UMA Math requirement.</i></p>							

Math of Personal Finance	7070000020	07-07-020	11	12	Year	SGM Webb	Required Substitute
<p>Students must have completed Sec Math I and II as a prerequisite for this course. Includes ideas, concepts, knowledge, skills that will enable students to implement the mathematical skills they need to become wise consumers, savers, investors, credit users, money managers, citizens, and part of a global workforce. <i>Parents must sign a waiver if taken in place of Sec Math III. Meets 4th year UMA Math requirement if taken after Sec Math III.</i></p>							

CE Math 1010 Integrated Algebra	7070013060		12	12	Year	Mr. Winegar	Required
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Students must have completed Secondary Math III with a C or better. This course bridges the gap between developmental/Secondary Math III and Pre Calculus or a technical certificate. Topics of study include: functions; quadratics; polynomial and rational expressions; radicals and complex numbers; exponential expressions (negative and rational); logarithms; intro to conic sections. Real world applications of algebra will be addressed throughout the course and topics will be presented in a conceptual and integrated approach. *Meets 4th year UMA Math requirement. This is a concurrent enrollment class.*

CE Math 1040 Intro to Statistics	7060013010		12	12	Year	Mr. Winegar	Required
<p>Students must have completed Secondary Math III with a C or better. This course covers descriptive and inferential statistical methods. Emphasis is on sampling design; descriptive statistics; linear regression & correlation; probability; sampling distributions; hypothesis testing, and confidence intervals. <i>Meets 4th year UMA Math requirement. This is a concurrent enrollment class.</i></p>							

SY 2019: UMA High School Course Descriptions - Language Arts

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, or Advanced
Description							
Language Arts 9	602000040	06-02-040	9	9	Year	Mrs. Stinson	Required
A grade level appropriate exploration of reading, writing, and inquiry.							
Language Arts 9H	602000045	602000045	9	9	Year	Mrs. Stinson	Required
An advanced level appropriate exploration of reading, writing, and inquiry. <i>Teacher approval required</i>							
Language Arts 10	602000050	06-02-050	10	10	Year	Mrs. Stinson or Ms. Richards	Required
A grade level appropriate exploration of reading, writing, and inquiry.							
Language Arts 10H	602000055	602000055	10	10	Year	Ms. Richards	Required
An advanced grade level appropriate exploration of reading, writing, and inquiry. <i>Teacher approval required.</i>							
Language Arts 11	602000060	06-02-060	11	11	Year	Ms. Evers	Required
A grade level appropriate exploration of reading, writing, and inquiry.							
AP English Language	601000092	06-01-093	11	12	Year	Ms. Evers	Advanced Required Substitute
This Advanced Placement class is a college-level course in effective writing and critical reading. Students will read and write the kinds of discourse they will encounter during college and on the job. The course will focus on contemporary, nonfiction literature. This course combines an instructor-guided workshop methodology with detailed strategy-based							
Language Arts 12	06-02-00-00-070	06-02-070	12	12	Year	Ms. Richards	Required
A grade level appropriate exploration of reading, writing, and inquiry.							
AP English Literature	601000093	06-01-093	11	12	Year	Ms. Richards	Advanced Required Substitute
An advanced placement course concentrating on writing and the interpretation of literature. Students may receive college credit if pass final exam. Must have teacher approval. May be taken in place of Language Arts 11 or 12.							
Beginning Speech and Debate	601000050	601000050	9	12	Year	Ms. Evers	Elective
A course that teaches the skills and strategies of good public speaking. Students will be learning the values of good argumentation and skillful debate practices. Students are required to participate in debate competitions as part of the course. May be taken in place of Language Arts 12.							
ELL 9-12	6010000201	61201	9	12	Year	CPT Tidwell	Required for ELL Learners
This course is for English Language Learners. It teaches students the basic structures and vocabulary of English, to advance their reading, speaking, and pronunciation skills. Does not count as an English credit toward graduation.							
Journalism/ Yearbook	601000090	601000090	10	12	Year	Ms. Evers	Elective
Journalism is an exciting, fast-paced orientation to the highly competitive field of journalism. This course will give students a chance to work in an upbeat environment where they will improve writing, interviewing and photography skills. Students will create a quarterly school newspaper and end of year yearbook through this course. Students will learn their civic responsibility through a close examination of the First Amendment with specific attention placed on the Freedom of Press and Freedom of Speech. <i>Teacher recommendation is required. Journalism 1 and 2 (2 sem) both must be taken to replace Language Arts 12.</i>							
Humanities	601000080		9	12	Sem	Ms. Richards	Elective
Humanities explores the creativity of several fascinating cultures through their visual art, theater, literature and customs. These will center on the Golden Age of Athens, Greece around 500 B.C.; the Roman Empire; and Renaissance Florence, Italy. This class is a BLAST with fun projects. You can earn English or elective credit. <i>English teacher recommendation required.</i>							

Mythology	6010000130		9	12	Sem	Ms. Richards	Elective
Get to know the wild and wacky gods of Ancient Greece and Rome! Fascinating stories that have lasted through the centuries will keep you entertained while you increase your vocabulary and enter a world of monsters, deities, demigods, satyrs, and nymphs. Students will hone writing, storytelling, and presentation skills in this one-semester course that counts as either English or elective credit. English teacher recommendation required.							

Creative Writing	6010000120		9	12	Sem	Ms. Evers	Elective
This course is designed as an introduction to imaginative writing of personal experiences, character sketches, short fiction, and poetry.							

AP Writing			9	12	Sem	Ms. Evers	Elective
A course that teaches students how to write a well written essay for the AP exam. Required in conjunction with AP Geography.							

SY 2018: UMA High School Course Descriptions - Science

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, or Advanced
Description							

Earth Science	8040000010	08-04-010	9	12	Year	Mr. Evans	Required
<p>Earth Science is a systems study of the Earth's cycles and spheres, it's place in the universe, internal structure, tectonic plates, atmospheric processes, hydrosphere, biosphere and how all these aspects of Earth Science impact society. <i>Students may be placed in this course based on MAP test scores.</i></p>							

Biology	8020000010	08-02-010	9	12	Year	Mr. Evans	Required
<p>This course includes the topics of ecosystems, cells, heredity, diversity, organ systems and evolution. Students will explain biological ideas and concepts in their own words and relate them to other topics and apply them in new contexts.</p>							

Chemistry	8030000010	08-03-010	10	12	Year	Ms. Stratford	Required
<p>This course includes the topics of atoms, energy, chemical bonds, chemical reactions and solutions. Students will develop an understanding of chemical concepts and determine the relevance of chemistry in their lives.</p>							

Physics	8060000020	08-06-020	10	12	Year	Ms. Stratford	Required
<p>The three topics covered in physics are matter, motion and energy. Everything is part of a system, whether it is book on a table, a cog in a machine, a satellite in orbit or a complex electrical circuit. Physics topics will be developed around systems and the nature of science. <i>Recommended that Secondary Math II has been completed.</i></p>							

AP Physics AB	8060000005		11	12	Year	Ms. Stratford	Advanced Required
<p>The three topics covered in physics are matter, motion and energy. Everything is part of a system, whether it is book on a table, a cog in a machine, a satellite in orbit or a complex electrical circuit. Physics topics will be developed around systems and the nature of science. Algebra based. <i>Must have teacher recommendation and taken physics.</i></p>							

Geology	8040013003	08040000030	10	12	Sem	Mr. Evans	Elective
<p>Basic concepts of geology will be studied. Formation of rocks, erosion and landscape evolution, plate tectonics, and interpretation of earth processes from geological data are covered.</p>							

CE Geology + Lab	8040013030		11	12	Year	Mr. Evans	Elective
<p>Students will look deeper into concepts of geology including rock formation, erosion and landscape evolution, plate tectonics, and interpretation of earth processes. Geology not required before taking this course.</p>							

Astronomy	8060000010	8060000010	9	12	Sem	Ms. Stratford	Elective
<p>The underlying principles of life, earth, and physical science are integrated in this study of the universe. Historical astronomy, the solar system, comets, constellations, extraterrestrial life, and the evolution of stars are the major topics of study. Observational astronomy skills and critical thinking are fostered through the use of laboratory and field activities.</p>							

Forensic Science	8020000100		9	12	Sem	Mr. Evans	Elective
<p>Forensic science is a course rich in exploration and lab investigation which applies many disciplines of scientific study such as biology/anatomy, chemistry, and physics to solving crimes.</p>							

SY 2018: UMA High School Course Descriptions - Social Studies

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, Applied or Advanced
Description							

World Geography	904000030	09-04-030	9	12	Sem	COL Critchett	Required
<p>Required for 9th grade. Fulfills the requirements for Social Studies secondary students. The course will include map skills with physical and human geography essentials.</p>							

AP World Geography	904000010	904000010	9	12	Year	COL Critchett	Advanced Required
<p>Advanced Placement Geography for Life including seven geographic themes. Must follow College Board guidelines. Students may receive college credit if pass final exam.</p>							

World Civ	905000090	09-05-090	10	12	Year	Coach King / Mrs. Waters	Required
<p>Required for 10th grade students. It is designed as a survey class, describing the relationships that have developed over time among major regions of the world: East Asia, South Asia, Southwest Asia (Middle East), Africa, Europe, North America and Latin America.</p>							

US History	905000050	09-05-050	11	12	Year	Mr. Shenk	Required
<p>Required for 11th grade students. A survey of the military, social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.</p>							

AP US History	905000001	905000001	9	12	Sem	Mr. Shenk	Advanced Required
<p>A survey of the military, social, political, economic, cultural, and intellectual history of the United States from the Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy. Equivalent to college level introductory course in U.S. History. Must follow College Board guidelines. Students may receive college credit if pass final exam.</p>							

US Government and Citizenship	906000020	09-06-020	12	12	Sem	Mr. Shenk	Required
<p>Core class that is required for graduation. This course will present the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system. the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system.</p>							

Psychology A	09-07-00-00-010	09-07-010	9	12	Sem	Mrs. Waters	Elective
<p>Course provides students with knowledge of how and why we think and do certain things. Students will study the scientific approaches to the study of human behavior and mental processes. Students will explore various aspects of human behavior including, aspects of thought processes, states of consciousness, motivation and emotion, and the basic areas of mental illness.</p>							

Psychology B	907000010	09-07-010	9	12	Sem	Mrs. Waters	Elective
<p>Course provides students with knowledge of how and why we think and do certain things. Students will study the scientific approaches to the study of human behavior and mental processes. Students will explore various aspects of human behavior including, development, sensation and perception, memory and how we interact with each other.</p>							

Performance Psychology	9070000010		9	12	Sem	Mrs. Waters	Elective
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This course will explore the mental and psychological factors that impact performance, specifically focusing on motivation, concentration, focus, confidence, anxiety, and relaxation. The students will learn how to apply the theory and research to achieve excellence. The students will also learn how to set measurable goals and strategies to achieve them, visualization techniques, leadership, team-building, and how to best cope and recover from injury or setbacks.

AP Psychology	9070000010	09-07-010	10	12	Sem	Mrs. Waters	Elective
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The AP Psychology course is designed to introduce students to the scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

Current Events	9060000030	9060000030	10	12	Sem	Mr. Shenk	Elective
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Elective course studies American Problems. Emphasis is on constitutional rights and responsibilities as well as contemporary issues.

Military History	9050000100		9	12	Sem	COL Critchett	Elective
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This course will cover the military conflicts in which the United States has been involved. Conflicts from the American Revolution to the Persian Gulf War will be studied. The major emphasis will be on cause-effect relationships. There will also be military tactics and innovations from each conflict presented. Conflicts studied will include: the French and Indian War, the American Revolution, the War of 1812, the Mexican War, the Civil War, the Spanish American War, World Wars I and II, the Korean Conflict, Vietnam, and the Persian Gulf War will be integrated into the course as well. A major emphasis will be placed on learning the focus and events in the world which led to each war and possible solutions that might lead to maintaining peace.

World War II History	9050000100		10	12	Sem	Mr. Shenk	Elective
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This course will focus specifically on WW II. A major topic is the Holocaust. The course utilizes first person accounts, videos, and text to help students understand the causes, outcomes, and tragedies associated with the war.

Political Science 1100 CE/Snow College	9080013001		11	12	Sem	online	Elective / Required
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This concurrent enrolment course is an introduction to the structure, function, and political dynamics of the major actors, ideas, and institutions within the American governmental system. *May replace the core US Government class required for seniors.*

CE Sociology 1010 / Snow College	9080013001		11	12	Sem	online	Elective
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Designed to give students a foundation for all future sociological studies. Develops an understanding of the role of social organization on human interaction. Introduces definitions, terms, and concepts used in sociological literature. Delivered online.

SY 2018: UMA High School Course Descriptions - CTE

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, or Advanced
Description							

Computer Technology Courses

Exploring Computer Science	3502000007	32-02-240	9	12	Sem	Mr. Julander	Elective / Required
<p>Exploring Computer Science 1 is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course is designed to focus the conceptual ideas of computing and help students understand why certain tools or languages might be utilized to solve particular problems. The goal of Exploring Computer Science is to develop in students the computational thinking practices of algorithm development, problem solving and programming within the context of problems that are relevant to the lives of today's students. Students will also be introduced to topics such as interface design, limits of computers and societal and ethical issues. <i>Fulfills Digital Studies requirement.</i></p>							

A + Computer Repair	3501000040	350140	10	12	Year	Mr. Julander	Advanced
<p>Students will learn necessary competencies for an entry-level IT professional including installing, building, upgrading, repairing, configuring, troubleshooting, optimizing, diagnosing, and performing preventive maintenance of basic personal computer hardware and operating systems. It will prepare students to take the A+ certification test. <i>Meets 4th year UMA Math requirement.</i></p>							

Network Fundamentals	3501000030	350130	10	12	Year	Mr. Julander	Advanced
<p>Utah's Network Fundamentals are based on CompTIA 2011 Network+ Objectives. The CompTIA Network+ certification is an internationally recognized validation of the technical knowledge required of foundation-level IT network practitioners. This course prepares students to take the Network Fundamentals certification test. Prerequisite: <i>A+Meets 4th year UMA Math requirement.</i></p>							

Gaming Development	3502000045		9	12	Sem	Mr. Julander	Elective
<p>This course is designed to provide students with knowledge and project based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management.</p>							

Gaming Development II			10	12	Sem	Mr. Julander	Elective
<p>This course is designed to provide students with knowledge and project based experience of fundamental gaming development concepts relating to STEM. These concepts include game design, scripting, creation of digital assets, graphic resources, animations, understanding hardware, problem solving, critical thinking, collaboration, and project management. <i>Gaming Development I prerequisite. Meets 4th year UMA Math requirement.</i></p>							

Computer Programming I	3502000030		9	12	Sem	Mr. Julander	Elective
<p>An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills to beginning students through a programming language such as C++, C#, Java, Python, or JavaScript. The second half of the year reviews and builds on the concepts introduced in the first semester. This semester introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs. <i>Fulfills Digital Studies requirement.</i></p>							

Computer Programming II	3502000032		10	12	Sem	Mr. Julander	Elective
<p>An introductory course in computer programming/software engineering and applications. The course introduces students to the fundamentals of computer programming. Students will learn to design, code, and test their own programs while applying mathematical concepts. Teachers introduce concepts and problem solving skills to beginning students through a programming language such as C++, C#, Java, Python, or JavaScript. The second half of the year reviews and builds on the concepts introduced in the first semester. This semester introduces students to more complex data structures and their uses, including sequential files, arrays, and classes. Students will learn to create more powerful programs. <i>Computer Programming I prerequisite. Meets 4th year UMA Math requirement.</i></p>							

Web Development I	3502000060		9	12	Sem	Mr. Julander	Elective / Required
<p>This semester course provides Cadets with an introduction to the Internet. Cadets will demonstrate a basic knowledge of the Internet and its tools through the use of email, search engines and browsers. HTML and Web publishing software will be used to create, format, illustrate, design, edit, and publish Web pages. Emphasis will be placed on the application of the Internet in business. <i>Fulfills Digital Studies requirement.</i></p>							

Web Development II	3502000065		10	12	Sem	Mr. Julander	Elective
This semester course is a continuation of skill developed in Web Development I. This course provides skill development in the electronic procedures of producing, editing, publishing, and maintaining documents on the Internet. Web publishing software and HTML are used to develop the competencies of creating, formatting, illustrating, designing, editing/revising, and publishing documents on the World Wide Web. Proofreading, document composition, and communication competencies are included. <i>Web Development I prerequisite. Meets 4th year UMA Math requirement.</i>							

Business Office Specialist	3202000216		9	12	Sem	Mr. Julander	Elective / Required
This course applies advanced concepts and principles using word-processing, spreadsheets, databases and electronic presentation software. Students will integrate applications learned. <i>Fulfills Digital Studies requirement.</i>							

Engineering/Robotics Courses

Robotics I	3801000031	3801000031	9	12	Sem	Mr. Julander	Elective
The first in a sequence of courses that prepares individuals with a lab-based, hands-on curriculum combining electrical, mechanical and engineering principles. Students will learn to design, build, program, and control robotic devices.							

Engineering Principles I	38010000151		9	12	Sem	Mr. Clancy	Elective
This is a hands-on course that ties observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic principles used in engineering. Students utilize problem-solving skills in a laboratory environment.							

Engineering Principles II	38010000152		9	12	Sem	Mr. Clancy	Elective
The second in a sequence of "hands on" courses that tie observations and concepts common to a variety of different engineering disciplines in order to develop a better understanding of basic math and science principles used in engineering. By utilizing problem-solving skills in a laboratory environment, students will develop skills and attitudes that impact and expand occupational opportunities. Must have passed Engineering Principles I with a C or better. <i>Meets 4th year UMA Math requirement.</i>							

Engineering Technology	38010000152		9	12	Sem	Mr. Clancy	Elective
A foundational engineering course that introduces basic problem-solving and documentation skills. Various aspects of engineering will be explored along with technology's impacts on our world. Students will develop abilities and attitudes that will expand their opportunities in the world of engineering.							

Introduction to Engineering Design	38010000300		9	12	Year	Mr. Clancy	Elective
Students are taught to understand and apply the design process, create sketches, use computer software to design models, understand mass property calculations and parametric modeling, understand cost analysis quality control, staffing needs, and marketing. Students explore career opportunities and develop a portfolio to display their designs. <i>Meets 4th year UMA Math requirement.</i>							

Health Courses

Anatomy and Physiology	36010000110		11	12	Year	Coach Mims	Elective
This full-year course provides students with an in-depth study of health care careers including actual clinical experience in a variety of areas. Instruction includes intermediate anatomy & physiology, medical terminology, diseases and disorders.							

Law Enforcement Courses

Law Enforcement	40060000001		9	12	Sem	Mr. Henry	Elective
This is a program that prepares individuals to perform the duties of police security officers, including patrol and investigation activities, traffic control, crowd control, public relations, witness interviewing, and evidence collection and management. Participation in the SkillsUSA youth leadership organization may be an integral part of this course.							

CE Intro to Criminal Justice	40060013103		11	12	Sem	Mr. Henry	Elective
UVU concurrent enrollment course. This course exposes students to three components of the criminal justice system: Police, Courts, and Corrections and their place in American Society.							

Business Course

Entrepreneurship	32020000220		10	12	Sem	SGM Webb	Elective
Simply stated, this course will teach students how to build and run a business. Doctors, attorneys, electricians, rock stars, actors, building contractors, auto mechanics, independent truck drivers, etc. are all entrepreneurs. This is a fun, activity-oriented course that will benefit all students.							

Financial Literacy

0.5 units of credit is required for graduation

Business 1210 CE/ Snow College			11	12	Sem	Online	Elective / Required
This Snow College concurrent enrollment course will introduce personal and consumer financial concepts and give students basic tools to make sound financial decisions in today's society based on economic trends and research. This is a practical course in personal money management consisting of financial planning including career choices, budgeting, planning for retirement, financing a home and automobile, and understanding consumer credit, taxes, insurance, and investments. Students will use basic math skills as well as read, write, and think critically. Online format. <i>Course meets the requirements for the required General Financial Literacy course.</i>							

National Endowment for Financial Literacy (NEFE)			11	12	Sem	SFC Lyons	Required
Military course that is designed to prepare students for the choices and challenges of today's financial markets and develop a better understanding of personal finance. Topics include income, money management, spending and credit, saving and investment, consumer protection, and risk management.							

Financial Literacy			11	12	Sem	Mr. Lycett	Required
Designed to prepare students for the choices and challenges of today's financial markets and develop a better understanding of personal finance. Topics include income, money management, spending and credit, saving and investment, consumer protection, and risk management.							

SY 2019: UMA High School Course Descriptions - Fine Arts

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, Applied or Advanced
Description							

ART Courses

Drawing 1	02-01-00-00-045	02-01-045	9	12	Sem	Mrs. Leonard	Elective
This entry level High School course is centered on the development of observational skills needed in rendering the illusion of 3D forms on a flat surface.							

Drawing II			10	12	Sem	Mrs. Leonard	Elective
Prerequisite: Drawing 1 This class is an intermediate studio art class with a high focus on working with the human form. The students will be taught a variety of advanced observational drawing techniques. The history of figure work, criticism and aesthetics will also be covered.							

Painting 1	02-01-00-00-100	02-01-047	9	12	Sem	Mrs. Leonard	Elective
As a production oriented class, students will have a chance to explore a few painting mediums, such as watercolor and acrylic. Students will use a variety of techniques to explore realistic and abstract applications of these mediums. Grades will be based on participation, production and work ethic.							

Painting II			10	12	Sem	Mrs. Leonard	Elective
As a production oriented class, students will have a chance to explore a few painting mediums, such as watercolor and acrylic. Students will use a variety of techniques to explore realistic and abstract applications of these mediums. Grades will be based on participation, production and work ethic. Prerequisite Painting I							

Digital Photography	2010000110		9	12	Sem	Mrs. Leonard	Elective
This course will cover the use of the Digital DLR camera controls, including f/stops, shutter speeds, film speeds and the production of a correct exposure. Skills will include composition, criticism, lighting, and image editing software. Students will also learn the history and invention of photography. Assignments will include creative use of the camera controls including depth of field and action motion, shadows and light, alternative camera angles, portraits, still life's, and compositions based on the principles and elements of design. Students will receive basic instruction, demonstration, and see samples of the desired outcomes. They will be allowed to go outside and shoot assignments, based on what they are learning.							

Art Foundations II	2010013061	2010013061	9	12	Sem	Mrs. Leonard	Elective
Art is the foundational art course at the high school level. We will work in drawing and design. You will become familiar with the basic elements and principles of two dimensional artwork. Lessons include projects in the art elements of line, shape, texture, and space, value, color in-depth, principles of art, and exploration of different art materials.							

Commercial Art			9	12	Sem	Mrs. Leonard	Elective
Students will be introduced to the field of commercial arts and advertising design, focusing on graphic design and illustration. Topics to be covered in this course include safety, color and design, traditional studio art techniques (drawing and painting), computer technology (Adobe InDesign, Illustrator, and Photoshop), post-secondary education options, career exploration, entrepreneurship, and customer service.							

Sculpture	2010000130		9	12	Sem	Mrs. Leonard	Elective
This is a beginning course where students will learn techniques in the creation of different types of sculpture.							

MUSIC Courses

Orchestra Level III	2040300020		9	12	Year	Mrs. Bobadillo	Elective
<p>Concert Orchestra is composed of students on all of the major string instruments, including piano. Cadets must have at least two years experience on their instrument. Instruction concentrates on advanced technical and expressive skills in an ensemble-focused setting. Students will need to provide their own instruments that are in working condition. Rental and purchase options will be discussed in class. This is a performance-based class. Participation in concert performances outside of regular class hours is required.</p>							

Band Ensemble	2040100010		9	12	Year	Mrs. Bobadillo	Elective
<p>The Wind Ensemble is open to 9th through 12th grade cadets with who have been playing a woodwind, brass, or percussion instrument for at least two years. (These groups do not include piano or guitar.) This advanced band cultivates musical literacy and trains students in proper instrumental performance and technique through daily rehearsals, utilizing a wide range of musical styles. The students are challenged in the music and skills required to play, and will require practice and perseverance in order to attain a satisfactory performance. This is a performance-based class. Participation in concert performances outside of regular class hours is required.</p>							

Mixed Chorus	2040200010		9	12	Sem	Mrs. Bobadillo	Elective
<p>The high school concert choir class is designed for students to apply musical skills as they continue to create and experience music as a musical ensemble. Students will continue developing mastery of solfege, major and minor scales, and 4 part harmonies. This is a performance-based class. Participation in concert performances outside of regular class hours is required.</p>							

Music Tech	2040000040		9	12	Sem	Mrs. Bobadillo	Elective
<p>Students will discover and explore introductory concepts used in music sequencing, notation and recording. No prior musical experience is needed, however, having training on an instrument or voice is helpful. Students will create music using sequencing/editing software, synthesizers and drum machines. Students interested in the current methods of music creation and production should consider taking this course.</p>							

Music Appreciation	2040000020		9	12	Sem	Mrs. Bobadillo	Elective
<p>Music Appreciation is a course designed to introduce representative musical ideas to high school students. A study of the materials of music, including basic elements, mediums, styles, and form is presented as an aid to understanding and enjoying music. The listening to and analysis of recordings is included. The topics studied will include basic music terms, musical time periods, origins of today's pop music and discussing the aesthetic values of music.</p>							

SY 2019: UMA High School Course Descriptions - JROTC

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, Applied or Advanced
Description							
LET 1	15000000060		9	9	Year	SFC Lyons	Required
<p>Leadership Education and Training: Students will learn to appreciate the ethical values that underlie good citizenship. Develop leadership potential and learn to live and work cooperatively with others. Think logically and communicate effectively both orally and in writing. Appreciate the importance of physical fitness in maintaining good health. Understand ways to resist negative peer pressure and support others. Developmental management abilities. Become familiar with military history as it relates to America's culture and with the history, purpose, and structure of the military services. Understand the importance of high school graduation to a successful future. Learn about college and other advanced educational and employment opportunities and develop the skills necessary to work effectively as member of a team.</p>							
LET 2	15000000060		10	10	Year	CPT Elliott	Required
<p>Builds on LET 1: Leadership Education and Training: Students will learn to appreciate the ethical values that underlie good citizenship. Develop leadership potential and learn to live and work cooperatively with others. Think logically and communicate effectively both orally and in writing. Appreciate the importance of physical fitness in maintaining good health. Understand ways to resist negative peer pressure and support others. Developmental management abilities. Become familiar with military history as it relates to America's culture and with the history, purpose, and structure of the military services. Understand the importance of high school graduation to a successful future. Learn about college and other advanced educational and employment opportunities and develop the skills necessary to work effectively as member of a team.</p>							
LET 3	15000000060		11	11	Year	MSG Graham	Required
<p>Builds on LET 1 and 2: Leadership Education and Training: Students will learn to appreciate the ethical values that underlie good citizenship. Develop leadership potential and learn to live and work cooperatively with others. Think logically and communicate effectively both orally and in writing. Appreciate the importance of physical fitness in maintaining good health. Understand ways to resist negative peer pressure and support others. Developmental management abilities. Become familiar with military history as it relates to America's culture and with the history, purpose, and structure of the military services. Understand the importance of high school graduation to a successful future. Learn about college and other advanced educational and employment opportunities and develop the skills necessary to work effectively as member of a team.</p>							
LET 4	15000000060		12	12	Year	COL Wood	Required
<p>Builds on LET 1, 2 and 3: Leadership Education and Training: Students will learn to appreciate the ethical values that underlie good citizenship. Develop leadership potential and learn to live and work cooperatively with others. Think logically and communicate effectively both orally and in writing. Appreciate the importance of physical fitness in maintaining good health. Understand ways to resist negative peer pressure and support others. Developmental management abilities. Become familiar with military history as it relates to America's culture and with the history, purpose, and structure of the military services. Understand the importance of high school graduation to a successful future. Learn about college and other advanced educational and employment opportunities and develop the skills necessary to work effectively as member of a team.</p>							
Drill	15000000060	15-60-650	9	12	Year	SFC Lyons	Elective
<p>The drill class prepares students to compete at local, regional, and national drill competitions. Students will learn basic and advanced drill sequences in order to compete. Enrollment in the competitive drill class does not ensure a cadet will compete in drill competitions. All primary and alternate positions are determined by the drill team leader.</p>							
Marksmanship	15000000060	15-60-700	9	12	Sem	Mr. Henry or SFC Lyons	Elective
<p>The course covers how to safely and properly conduct air rifle live firing, and teaches basic marksmanship skills that are the required for three-position air rifle qualification and competition. Students participate in shooting and work to improve their aim.</p>							
Advanced Marksmanship	15000000060		10	12	Sem	Mr. Henry	Elective
<p>Building upon skills and information learned in marksmanship, this course covers more advanced marksmanship techniques. <i>Prerequisite: Beginning Marksmanship.</i></p>							
Beginning Survival	15000000060	15-60-750	9	12	Sem	SFC Garn	Elective
<p>Introduces cadets to the physical and mental needs individuals must possess to survive in austere situations or environments. Teaches the physiological aspects of survival, required personal protection measures, and where to find necessities required to maintain life.</p>							

Advanced Survival	1500000060		11	12	Sem	SGM Webb	Elective
Builds upon the skills learned in beginnings survival. Reinforcing the physical and mental needs individuals must possess to survive in austere situations or environments. Teaches the physiological aspects of survival, required personal protection measures, and where to find necessities required to maintain life. <i>Prerequisite: Beginning Survival.</i>							
Competitive Raiders	4020000056		10	12	Sem	MSG Graham	Elective
<i>By instructor permission only.</i> Students develop skills such as rope tying and map reading. They build physical strength and endurance and learn how to work in a team. This class is for cadets participating on the Raiders team.							
Raiders	4020000056		9	12	Sem	MSG Graham	Elective
Students develop skills such as rope tying and map reading. They build physical strength and endurance and learn how to work in a team.							
Military Communication	1500000060		9	12	Sem	SFC Garn	Elective
Introduces cadets to principles of interpersonal communication and military leadership. Teaches youth how to understand and be understood clearly. Covers verbal and non-verbal communication, body language, public speaking, and building confidence as a leader.							
JROTC Activities	1500000060		9	12	Sem	SFC Garn	Elective
Introduces Cadets to aspects of military activities, including Marksmanship and Drill. Cadets will also participate in team building activities.							
Character Education	1500000060		9	12	Sem	CPT Tidwell	Elective
Teaches military based character development including resiliency and social skills. We will explore individual strengths and personality characteristics through the use of assessments.							
National Endowment for Financial Literacy (NEFE)			11	12	Sem	SFC Lyons	Required
Military course that is designed to prepare students for the choices and challenges of today's financial markets and develop a better understanding of personal finance. Topics include income, money management, spending and credit, saving and investment, consumer protection, and risk management. <i>Meets Financial Literacy requirement.</i>							

SY 2019: UMA High School Course Descriptions - Foreign Languages

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, Applied or Advanced
Description							

Spanish 1	03-07-00-00-011	03-07-011	9	12	Year		Elective
Emphasis placed on speaking skills through reading and writing are addressed. This course provides for the learning of dialogues, common words and expressions and basic language structure as well as oral practice of the language in skits, poetry, dialogues and readings.							

Spanish 2	03-07-00-00-021	03-07-021	10	12	Year		Advanced
Prerequisite: Successful completion of Spanish 1 or placement test. This course continues the development of speaking, listening, reading and writing skills. Narratives and dialogues are used to teach structure and vocabulary. Culture and geography of the native country are taught through reading selections.							

Sign Language 1		3010000015	9	12	Year	Mrs. Robison	Elective
This course introduces the fundamental elements of American Sign Language within a cultural context. Emphasis is placed on the development of basic expressive and receptive skills. Upon completion, students will be able to comprehend and respond with grammatical accuracy to expressive American Sign Language and demonstrate cultural awareness.							

Sign Language 2		3010000021	10	12	Year	Mrs. Robison	Advanced
Prerequisite: Successful completion of Sign Language 1 or placement test. This course is a continuation of ASL 1 focusing on the fundamental elements of American Sign Language in a cultural context. Emphasis is placed on the progressive development of expressive and receptive skills. Upon completion, the students should be able to comprehend and respond with increasing accuracy to expressive American Sign Language and demonstrate cultural awareness.							

German 1	03-04-00-00-011	3040000015	9	12	Year		Elective
Emphasis placed on speaking skills through reading and writing are addressed. This course provides for the learning of dialogues, common words and expressions and basic language structure as well as oral practice of the language.							

German 2	03-04-00-00-021	3040000025	10	12	Year		Advanced
This course continues the development of speaking, listening, reading and writing skills. Narratives and dialogues are used to teach structure and vocabulary. Culture and geography of the native country are taught through reading selections.							

SY 2019: UMA High School Course Descriptions - PE and Health

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, Applied or Advanced
Description							
Fit for Life	04-02-00-00-030	04-02-030	10	12	Sem	Coach Mims	Required
Core-required 10th grade class that provides comprehensive instruction in nutrition, fitness activities, and self-assessment.							
Participation Skills & Techniques	04-02-00-00-060	04-02-060	9	12	Sem	Coach Mims/King	Required
This core required course for 9th grade offers students instruction in lifetime activities and fulfills one P.E. requirement for high school graduation. Individual, dual, and team sports activities are included, with the emphasis on activities offering lifelong participation.							
Beginning Weight Training	04-02-00-00-056	04-02-056	9	12	Sem	Coach Mims	Elective
High School class taken for elective credit only. Students will develop a plan and participate in weight training activities. 9th grade students will have a limited weight lifting limit.							
Advanced Weight Training	04-02-00-00-058		10	12	Sem	Coach Mims	Elective
High School class taken for elective credit only. Students will develop a plan and participate in advanced weight training activities. Beginning weights is a pre-requisite.							
Health	4010000010		10	12	Sem	Coach Mims	Required
Taken in 10th grade in conjunction with Fit for Life. Students will study the development of mental, physical, and emotional health. The emphasis of this class will include instruction on how to obtain a healthy lifestyle--both physically and mentally. Course of study will include nutrition, stress, substance abuse, family/commitment/ marriage, self-esteem, and refusal skills and human sexuality.							
Military Fitness	4020000056		9	12	Sem	Coach Mims	Elective
An elective PE course that helps students prepare students to do well on the military PT test and to be generally physically fit.							
Competitive Raiders	4020000056		10	12	Sem	MSG Graham	Elective
<i>By instructor permission only.</i> Students develop skills such as rope tying and map reading. They build physical strength and endurance and learn how to work in a team. This class is for cadets participating on the Raiders team.							
Raiders	4020000056		9	12	Sem	MSG Graham	Elective
Students develop skills such as rope tying and map reading. They build physical strength and endurance and learn how to work in a team.							

SY 2019: UMA High School Course Descriptions - Electives

Course Title	State Course Code	Aspire Course Code	Low Grade	High Grade	Sem or Year	Teacher	Required, Elective, Applied or Advanced
Description							

Learning Strategies - SPED	23-01-00-00-100	23-01-220	9	12	Year	Ms. Fiagle	SPED
Only available for students with IEPs. This course is designed to provide specialized instruction in which students with disabilities learn and apply strategies while accessing the general-ed curriculum.							

Teacher Assistant	25-01-00-00-010	25-01-010-01	10	12	Sem	Varies	Elective
Course used for students serving as a student aide/assistant. NOT available to Grades 9.							

Office Aide	25-01-00-00-010	25-01-010-02	11	12	Sem	Mrs. Wagaman	Elective
Course used for students serving as a student aide/assistant in the office. NOT available to Grades 9 and 10.							

ACT Prep	15-00-00-00-002		11	12	Sem	Mr. Julander	Required
A class designed to help our juniors and seniors prepare for various testing, including ACT and ASVAB.							

Released Time	25010000020		9	12	Year		Elective
Released time for LDS Seminary. Held 1st period. No school credit given. Transportation provided back to school.							

Battalion Staff	09-06-00-00-051		11	12	Year	COL Wood	Elective
Battalion Staff class. Students learn and apply leadership and communication skills. Must be part of staff to enroll.							

Wolf Pack	25020000030		9	12	Year	MSG Graham	Elective
Students are members of the Wolf Pack (previously Hope Squad). Teachers/advisors help students understand their role in the prevention of many anti-social behaviors in which youth can and do become involved. Uses youth leaders in developing and implementing a school wide system of support for students.							