

AISU Course Catalog 2018-2019

Secondary Program: Graduation Requirements

High School Graduation Requirements

In order to receive a standard diploma from American International School of Utah (AISU), students must earn a total of 27.0 credits in the following categories:

4.0 Credits ENGLISH	1.0 credit English 9
	1.0 credit English 10
	1.0 credit English 11
	1.0 credit English 12 or Advanced or Applied English Elective, which focuses on Literature and Writing Composition
4.0 Credits MATH	1.0 credit Secondary Math I
	1.0 credit Secondary Math II
	1.0 credit Secondary Math III or Applied Math Electives
	1.0 credit Advanced or Applied Math Electives
3.0 Credits SCIENCE	Students must earn 2.0 credits from two of the science foundation courses: Earth Science, Biology, Chemistry, or Physics.
	1.0 credit Foundation, Advanced or Applied Science Electives
3.0 Credits SOCIAL STUDIES	0.5 credit Human Geography
	0.5 credit World History
	1.0 credit United States History
	0.5 credit U.S. Government
	0.5 credit Social Studies Elective
2.0 Credits WORLD LANGUAGE	2.0 credits from a qualifying World Language course
3.5 Credits DIRECTED COURSEWORK	0.5 credit Financial Literacy
	0.5 credit Digital Studies
	1.5 credits Fine Arts
	1.0 credit Career and Technical Education (CTE)
2.0 Credits HEALTH/PHYSICAL EDUCATION	0.5 credit Health
	0.5 credit PE Lifetime Sports
	0.5 credit PE Participation
	0.5 credit Fitness for Life
5.5 Credits GENERAL ELECTIVES	Students must earn 3.5 credits from AISU's General Electives. Students must earn 2.0 credits from the AISU Personal Leadership series.
Total: 27.0 Credits	
Additional Requirements:	*Student MUST take the ACT
	*Note: Students who transfer into AISU for their 11th Grade or later may apply to the AISU Administration for a waiver or modification of AISU specific graduation requirements.

Advanced/Honors Diploma

The Advanced/Honors Diploma has the same requirement as the standard diploma with the addition of ACT Benchmark scores of:

English	-	24
Reading	-	24
Math	-	24
Science	-	24

While the required number of credits to graduate with a standard diploma is common with the surrounding five resident districts (27 credits; except for Salt Lake District, 24), most of the resident district's "Advanced" diploma requirements are the same as AISU's standard diploma. This is due to AISU's graduation requirement of two years of foreign language and the college prep requirements of taking an ACT/SAT prep course as well as requiring students to take the ACT. We feel that this puts more rigor into the education AISU students will be receiving, and supports the school's mission and goals of engaging students in global issues. Language is the key to understanding many aspects of culture, and knowing how to communicate effectively to be an agent for change on a global scale. The alignment of AISU graduation requirements to AISU goals, as well as the Utah state objectives, is demonstrated in the core requirements and electives found in the AISU Course Catalog for 9th -12th grade.

ADMISSION REQUIREMENTS FOR COLLEGES AND UNIVERSITIES

The University of Utah and Utah State University require (other colleges/universities strongly recommend) the following courses for admission:

4.0 credits English (emphasizing composition/literature: English 9, English 10, English 11, English 12, or English AP)

3.0 credits Math (four years are encouraged) selected from Elementary Algebra, Geometry, Intermediate Algebra, Pre-calculus, or Calculus. Students are strongly encouraged to take at least through Pre-calculus.

3.0 credits Science core (selected from three of the following four areas: Earth Systems, Biology, Chemistry, Physics)

2.0 credits Foreign Language (same language) required by University of Utah only, recommended by all other colleges.

1.0 credit United States History

4.0 credits additional courses (selected from at least two groups: English, Social Studies, Mathematics beyond Secondary Math II, Foreign Language, Lab Science, Social Science, Fine Arts)

COURSE CODE KEY

- (AE) Arts Elective
- (CTE) Career and Technology Education
- (DS) Digital Studies
- (EAd) Advanced English
- (EAp) Applied English
- (EC) English Core
- (FL) Foreign Language
- (GE) General Elective
- (MAd) Advanced Math
- (MAp) Applied Math
- (MC) Math Core
- (PEP) PE Participation
- (PEL) PE Lifetime Activities
- (PEEl) PE Elective
- (R) Required For Graduation
- (SAd) Advanced Science
- (SAp) Applied Science
- (SC) Science Core
- (SS) Social Studies Core
- (SSAd) Social Studies Advanced
- (SSE) Social Studies Elective

HOW TO READ THE COURSE DESCRIPTIONS

This line tells you the name of the class.

This lists the grades that may enroll in the class.

These are the course codes that tell you what graduation requirements the class qualifies for.

This tells you how many credits the course is worth.

This tells you whether there is a class fee, and how much that fee is.

This tells you the class or classes that you must have taken and successfully completed in order to qualify to take this class.

This tells you the subject matter that the class covers and gives you a brief description of the class.

AP ENGLISH LANGUAGE AND COMPOSITION

1.0 Credit—Grades 11-12 (EAd) (EC)

Fee: None

Prerequisite: English 10

This Advanced Placement English 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 nonfiction literature, while preparing students for the AP Language and Composition exam.

Discover why “success often comes to

HIGH SCHOOL COURSES

The courses described here are directly facilitated by teachers at AISU. Additional courses are available upon request, including AP courses not listed below, foreign language courses, and others.

ENGLISH LANGUAGE ARTS

ENGLISH 9

1.0 Credit—Grade 9 (EC) (R)

This course develops language skills in four areas: reading, writing, speaking, and presentation skills. Students will read both fiction and nonfiction and write in a variety of genres. Skills will be taught in connection with writing.

This course will explore the themes of:

- I - MDGs and You
- II - Who Am I?
- III - Food For Thought

ENGLISH 10

1.0 Credit—Grade 10 (EC) (R)

Prerequisite: English 9

Students will begin a more intensive emphasis on the writing process in the informational and functional areas as well as continued development of listening, viewing and speaking skills. Students will study all genres in American literature, reading classic as well as modern American authors. This course will explore the themes of:

- I - Stories
- II - Drama
- III - Forbidden Books

ENGLISH 11

1.0 Credit—Grade 11 (EC) (R)

Prerequisite: English 10

Students read, write, listen to and view from functional, informational and literary texts from different periods, cultures and genres in world literature. Students will also add to their presenting and speaking skills through group and individual practice. This course will explore the

themes of:

- I - Rhetoric
- II - A Nation's Argument
- III - Policy

ENGLISH 12

1.0 Credit—Grade 12 (EAd) (R)

Prerequisite: English 11 or AP English

The class is designed to review and supplement previously taught writing skills, mechanical skills, and usage problems. The reading, which will include modern novels, is broad-based. This course will explore the themes of:

- I - Journalism
- III - Endurance

LITERACY

0.5 Credit—Grades 9-12 (EAp)

Curriculum focuses on helping the individual student become more literacy proficient. In a small group setting students will use the Learning Language Live program to work on reading comprehension, grammar review and writing skills. Based on test scores, students will be invited to participate in this class.

A.P. ENGLISH LANGUAGE AND COMPOSITION

1.0 Credit—Grade 11-12 (EAd)

Students should have a strong proficiency and interest in reading and writing and have excellent English and citizenship grades. A college level writing class focused on developing literacy skills needed for critical inquiry, deliberation, argument, reading, writing, listening, and speaking.

Emphasizes reading and writing with a focus on its rhetorical function, not its aesthetic appeal.

Students will read and write analytic and argumentative texts rather than traditional literary texts. Great for students interested in a college-level composition course focused on the practical and rhetorical types of reading/writing.

PUBLIC SPEAKING

0.25 Credit—Grades 9-12 (EAp) **Trimester Only**

This skills-based course is meant to help you become a better public speaker through theory and, most importantly, practice. We will learn concepts

and models of communication, how to adapt a speech for different occasions and audiences, how to effectively support your ideas, how to select and organize materials in preparation for a speech, and how to utilize multimedia tools in presentations, among other skills.

ENGLISH ELECTIVE COURSES OFFERED AS INTENSIVES
(Descriptions listed in intensive course list)

MATH

SECONDARY MATH I

1.0 Credit—Grade 9 (MC) (R)

This course deepens and extends understanding of linear relationships through an introductory study of systems of equations, and also by contrasting them with exponential behaviors with applications of sequences and series. Linear data trends that can be identified will be fit with linear models. The idea of a mathematical function will be introduced, by way of evaluating and graphing mostly linear functions. Beyond the algebra, properties and theorems involving congruent figures to deepen and extend understanding will be studied to enhance geometric knowledge from prior grades.

SECONDARY MATH II

1.0 Credit—Grade 10 (MC) (R)

Prerequisite: SM I

The need for extending the set of rational numbers arises and real and complex numbers are introduced so that all quadratic equations can be solved. The link between probability and data is explored through conditional probability and counting methods, including their use in making and evaluating decisions. The study of similarity leads to an understanding of right triangle trigonometry and connects to quadratics through Pythagorean relationships. Circles, with their quadratic algebraic representations, round out the course.

SECONDARY MATH III

1.0 Credit—Grade 11 (MC)

Prerequisite: SM II

Students apply methods from probability and statistics to draw inferences and conclusions from data. Students expand their repertoire of functions to include polynomial, rational, and radical functions. They expand their study of right triangle trigonometry to include general triangles. And, finally, students bring together all of their experience with functions and geometry to create models and solve contextual problems. The applied nature of these topics will be studied through the general themes of:

I - Design & Engineering

II - Light, Sound & Time

III - Urban Planning

SECONDARY MATHEMATICS III HONORS

1.0 Credit—Grade 11 (MC)

Prerequisite: SM II

Students who continue in the Honors track will be prepared for Advanced Placement Calculus their senior year of high school. Topics include drawing inferences and conclusions from data, polynomial, rational and radical functions, general triangles, and modeling. The Mathematical Practices Standards for students apply throughout the course.

MATH FOUNDATIONS

1.0 Credit—Grades 9-12 (MAp)

This course is designed for students who need to build their mathematical confidence and solidify their skill-based and conceptual foundation to support their progress in the high school STEM sequence. Class exercises and activities are centered around core mathematics standards that are prerequisite to high school mathematics success.

COLLEGE PREP MATHAMATICS

1.0 Credit—Grade 12 (MAp)

College Prep Math formalizes and reinforces concepts from the Secondary Mathematics series to provide students with the foundational skills and understanding prerequisite to College Algebra (1050). Throughout this course, students will make sense of problems and persevere in solving them, use tools strategically, and attend to

precision.

I – Systems and Models

II - Entrepreneurship

CALCULUS

1.0 Credit—Grades 11-12 (MAd)

Prerequisites: Secondary Mathematics II

This course is a conceptual introduction the essential themes and big ideas of calculus (the limit, derivative, and integral). These concepts are introduced and explored with graphical software or calculators in the context of real-world problems, and reinforced through graphical analysis, small group discussions, and presentations.

AP CALCULUS AB

1.0 Credit—Grades 11-12 (MAd)

Prerequisites: Precalculus

This is a college-level course in preparation for the AB-level Advanced Placement examination in calculus. Topics include the algebra of functions and advanced graphing techniques, limits and continuity, the derivative and its applications, techniques of differentiation for the elementary functions, area under a curve, integrals and their applications, and the fundamental theorem of calculus. Concepts are presented on an intuitive level without rigorous proof. A graphing calculator is used throughout the year in preparation for the AP exam and other college-entrance exams.

MATH ELECTIVE COURSES OFFERED AS INTENSIVES

(Descriptions listed in intensive course list)

SCIENCE

EARTH SCIENCE

0.5 Credit—Grade 9 (SC)

The theme for Earth Science is systems. The “Benchmarks” in the Earth Science Core emphasize “systems” as an organizing concept to understand life on Earth, geological change, and the interaction of atmosphere, hydrosphere, and biosphere. Earth Science provides students with an understanding of how the parts of a system through the study of the Earth’s cycles and spheres. Earth’s place in the universe as well its internal structure, tectonic plates, atmospheric processes, and hydrosphere are explored to help understand how Earth science interacts with society. This course will explore the theme of:
I - Water

CHEMISTRY

1.0 Credit—Grade 9 (SC)

Chemistry is the study of matter, its structure, properties, and composition. This course covers topics of basic chemistry including 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. Participation in lab work is required. This course will explore the themes of:
II - Fuel
III - Food

BIOLOGY

1.0 Credit—Grade 10 (SC)

Students will study the functions of atoms and molecules in the chemistry of cells, the structure and function of cells, and how cells function as a system. They will analyze how genetic information is passed from one cell to another, and the significance and impact of genetic alteration on living organisms. Students will explore biological diversity, analyze characteristics of ecosystems, and the interdependence of organisms with each other and with their environment. Hands-on, student-centered activities allow students to explore the diversity of life and the relevancy of biology in their lives. The state core curriculum will be followed and enhanced. This course will explore the themes of:

I - Population

II - Disease

ANATOMY

0.5 Credit—Grade 10 (SC) This course will explore the themes of:

III - Cure

PHYSICS

1.0 Credit—Grade 11 (SC)

Prerequisite: Completed SM II

Physics studies the “rules” of nature, in particular the rules that define relationships between matter, energy, and motion. The course will focus on understanding the concepts of physics and applying mathematical explanations. Topics covered include Newtonian mechanics, heat, sound, light, electricity and magnetism, with an introduction to atomic and nuclear physics.

Participation in lab work and several projects is required. This course will explore the themes of:

I - Light, Sound, and Time

II - Design and Engineering

III - Urban Planning

IV - 11th grade Intensive

A.P. BIOLOGY

1.0 Credit—Grade 11-12 (SAd)

Prerequisite: SM III

This course is equivalent to a college freshman course. The principles of molecular and cellular biology, organisms and their structure and populations, diversity and evolution will be studied in depth. The curriculum will prepare students to take the A.P. Biology exam which all students will be expected to take in May. Students may receive university credit based on their score on the exam.

INVESTIGATIVE SCIENCE: BOTANY

0.25 Credit - Grades 9-12 (SAp) **Trimester Only**

Learn how to identify plants and use a field guide. Identify poisonous plants, noxious weeds, and identify useful and edible plants. We will be learning about photosynthesis and respiration, the organs of the plant and how to identify a plant by its structure. Students will make and use a dichotomous key, field guide, and demonstrate knowledge of how to identify an unknown plant.

INVESTIGATIVE SCIENCE: SPACE

0.25 Credit - Grades 9-12 (SAp) **Trimester Only**

In investigative science we will be investigating the background of science as it relates to space.

We will be learning about bias and how they influence science. We also look at how these same bias influence discoveries in space.

INVESTIGATIVE SCIENCE: ZOOLOGY

0.25 Credit - Grades 9-12 (SAp) **Trimester Only**

An introduction to the study of animal life through evolutionary characteristics. Basic principles of biology are covered including the role of plants as primary producers of chemical energy. The evolution of plant and animal life, the interaction of organisms in their environment, food chains and trophic levels, and ecological distributions are introduced. Representative animal phyla including both invertebrates and vertebrates are studied from the viewpoint of systematics and structural characters. This course is designed to provide the student with basic information and vocabulary in preparation for advanced courses in zoology and biology.

SCIENCE ELECTIVE COURSES OFFERED AS INTENSIVES

(Descriptions listed in intensive course list)

SOCIAL STUDIES

GEOGRAPHY FOR LIFE

0.5 Credit - Grade 9 (SS) (R)

Human Geography is the study of the relationship between people, places and environments. A geographically informed person sees meaning in the arrangement of things across the earth's surfaces. We will learn how to use spatial concepts and analyze landscape to shed light on the relationship between geography, human socioeconomic organization and its environmental consequences. This course will explore the themes of:

I - MDGs & You

II - Food for Thought

WORLD HISTORY

0.5 Credit—Grade 10 (SS) (R)

This course focuses primarily on studying civilizations from pre-history to the modern world. .5 credit can be earned online, and that material focuses on the pre-modern world. .5 credit can be earned through project-based in-class instruction, which focuses on the development of the modern world. The class includes a group mock trial project. This course will explore the themes of:

II - Drama

III - Forbidden Books

UNITED STATES HISTORY

1.0 Credit—Grade 11 (SS) (R)

Students will study the social, cultural, economic, and political developments of the United States from Reconstruction to the present. This course will explore the themes of:

I - A Nation's Argument

II - Rhetoric

III - Policy

IV - 11th grade Intensive

US GOVERNMENT AND CITIZENSHIP

0.5 Credit—Grade 12 (SS) (R) **Trimester Only**

This course will give students a general understanding of the government, political and legal systems of the United States and the knowledge necessary for engaged citizenship. This course will explore the theme of:

I - Equality

A.P. UNITED STATES HISTORY

1.0 Credit—Grades 11-12 (SSAd)

This American history course is equivalent to a college survey class. Through intensive reading, discussion and research involving a variety of texts and resources, students receive a thorough foundation in American history. They will learn how to read historical material analytically, weigh evidence and interpretations, and arrive at conclusions on the basis of facts. Universities grant college credit to students who pass the A.P. exam given in May.

MODEL UNITED NATIONS

0.25 Credit - Grades 9-12 (SSE) **Trimester Only**

Students in Model United Nations will learn about the history of the UN, its structure, main bodies and agencies and also challenges and

opportunities that the United Nations faces in the 21st century. Model United Nations provides an academic learning experience through the simulation of the structures, processes, and issues of the member nations of the United Nations. The Model UN (MUN) class offers students a unique opportunity to learn about international relations, debate, and more while role-playing United Nations delegates. The course is highly interactive and requires student participation, research, writing, and public speaking.

INTRO TO SOCIOLOGY

0.25 Credit - Grades 9-12 (SSE) **Trimester Only**

Sociology is the study of human relationships. This course illustrates how the groups, or social structures, that one belongs to have a profound influence on the way you think, feel, and act. Sociology looks at groups rather than individuals. Major themes include deviance and social control, culture, inequalities of gender and age, family and marriage, minorities, and other social issues. Active student participation, discussion, and feedback are required to be successful in the course.

PSYCHOLOGY

0.25 Credit - Grades 9-12 (SSE) **Trimester Only**

Psychology is the systematic study of individual human behavior and experience. This course offers students an engaging introduction to the essential topics in psychology. Throughout this study of human behavior and the mind, you will gain insight into the history of the field of psychology, as well as explore current theories and issues in areas such as development, motivation, wellness, and abnormal psychology.

SOCIAL STUDIES ELECTIVE COURSES **OFFERED AS INTENSIVES**

(Descriptions listed in intensive course list)

FOREIGN LANGUAGE

Foreign Language courses are year-long unless otherwise specified

SPANISH 1

1.0 Credit—Grades 9-12 (FL)

Understanding spoken Spanish and attaining fluency in basic conversational expressions are emphasized. Understanding grammar and written Spanish is also stressed. A study of culture and custom of Spanish speaking countries is covered.

SPANISH 2

1.0 Credit—Grades 9-12 (FL)

Prerequisite: Spanish 1

Emphasis is placed upon expansion of vocabulary and grammar principles while stressing reinforcement and amplification of accurate and fluent use of Spanish. Students will study a variety of culturally relevant topics and engage daily in active listening and conversation activities.

SPANISH 3

1.0 Credit—Grades 9-12 (FL)

Prerequisite: Spanish 2

Spanish is used almost exclusively in the classroom with emphasis on reading and grammar review. Oral comprehension, oral practice and Spanish literature are stressed in the program.

MANDARIN CHINESE 1

1.0 Credit—Grades 9-12 (FL)

This course will introduce students to the Chinese language and Chinese culture. They will be taught basic ways to communicate information about themselves, their families, their friends, and school. The four modes of communication will be covered (reading, writing, listening, and speaking).

MANDARIN CHINESE 2

1.0 Credit—Grades 9-12 (FL)

Prerequisite: Mandarin Chinese 1

This course will continue where Mandarin 1 left off. The four modes of communication will be covered (reading, writing, listening, and speaking).

MANDARIN CHINESE 3

1.0 Credit—Grades 9-12 (FL)

Prerequisite: Mandarin Chinese 1 and 2

This course will continue where Mandarin 2 left off, exploring more complicated grammatical structures with the goal of expanding student ability to communicate with greater fluency about a wider breadth of subjects. This course aims to develop students' correct pronunciation, grammatical accuracy and overall competence in reading and writing.

GERMAN 1

1.0 Credit—Grades 9-12 (FL)

In this course, students will learn the basics of the German language. Focusing on building vocabulary, basic grammar concepts, and pronunciation, this course is a springboard into becoming fluent. Additionally, the course focuses on the rich history and culture of the Germanic people as found in Austria, Germany, and Switzerland.

GERMAN 2

1.0 Credit—Grades 9-12 (FL)

Prerequisite: German 1

Emphasis is placed upon expansion of vocabulary and grammar principles in building a students understanding of the German language. Students will study a variety of culturally relevant topics and engage daily in active listening and conversation activities.

CAREER TECHNOLOGY EDUCATION

CTE courses are trimester only courses unless otherwise specified

COMPUTER SCIENCE

MOBILE APP DEVELOPMENT

0.25 credits - Grades 9 – 12 (CTE)

Level 1 – No Prerequisite

App Development introduces the foundational concepts of computer programming, which unlocks the ability to make rich, interactive apps. This course uses JavaScript as the programming language, and App Lab as the programming environment to build apps, but the concepts learned span all programming languages and tools.

WEB DEVELOPMENT

0.25 Credit - Grades 9-12 (CTE) (DS)

In this class we study how the internet works and how data and web pages move around the internet to show up on your device. We learn a language called HTML to create our own Web pages. learn foundational skills for computer science by focusing on creativity and the design process as they create their own basic web design.

EXPLORING COMPUTER SCIENCE

0.25 Credit—Grades 9-12 (CTE) (DS)

Level 1 – No Prerequisite

Exploring Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. 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.

DIGITAL BUSINESS APPLICATIONS

0.25 credit - Grades 9-12 (CTE) (DS)

The course is designed to prepare students with the knowledge and skills to be an asset to the collaborative, global, and innovative business world of today and tomorrow. Concepts include the overall digital experience, digital communications, digital media, and the exploration of career choices. This course also provides the practical skills in professionalism using various forms of presentation skills, including speaking, podcasting and digital portfolio relating to the globalization of business.

COMPUTER PROGRAMMING

0.25 Credit—Grades 9-12 (CTE) (DS)

Level 1 – No Prerequisite

Learn to program a computer in Python, one of the most widely used languages. Starting with variables and covering through simple graphics, this class is intended for the beginner, but previous computer background is helpful.

AP COMPUTER SCIENCE

1.0 Credit—Grades 9-12 (CTE) **Yearlong**

Level 2 – Prerequisite, level 1 computer science course

Computer Science A emphasizes object-oriented programming methodology with an emphasis on problem solving and algorithm development and is meant to be the equivalent of a first-semester *course in computer science*. It also includes the study of data structures and abstraction.

TECH AND ENGINEERING

ROBOTICS

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

Learn the fundamentals of robotics: mechanisms, electronics, and programming. This is a fast paced, small group project based class intended for those who want to build and learn. Previous experience is not required.

ELECTRONICS

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

Fee – \$10

From schematics and resistors to micro-controllers and soldering, this class covers a wide array of electronic topics to build a foundation or learn new skills. Some math is required, and simple programming will be covered.

CAD MECHANICAL DESIGN

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

From a simple, hand drawn sketch to a realistic 3D computer model, this class teaches the basics of Computer Aided Drafting using AutoDesk's Inventor. Students will learn how to use the CAD software to create models, assemblies and drawings. Previous experience is not required.

ENGINEERING TECHNOLOGY

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

A foundational engineering design course that introduces basic problem-solving and documentation skills. Various aspects of engineering will be explored along with technology’s environmental, societal, political,

and economic impacts on our world. By utilizing problem-solving skills, students will develop essential abilities and attitudes that will in turn expand their occupational opportunities in the world of engineering.

MANUFACTURING TECHNOLOGY

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

Fee – \$10

An introductory course focused on the world of manufacturing technology. Students will gain an understanding of how manufacturing technologies impact politics, the environment, society, and the economy. Students will develop a foundation in essential abilities and attitudes that will in turn expand their occupational opportunities in the manufacturing world.

ADVANCED TECH LAB – Robotics, Electronics, CAD and Computer Programming

0.25 Credit—Grades 9-12 (CTE)

Level 2 – Prerequisite successful completion of .25 level 1 credit in a tech and engineering course.

Fee - \$10

Students may pursue advanced studies in Robotics, Electronics, CAD or Computer Programming. Students will self direct their learning through buzz modules and may earn up to 0.5 credit in each discipline. Teamwork and collaboration is strongly encouraged.

ENGINEERING CAPSTONE PROJECT

0.25 Credit—Grades 9-12 (CTE)

Level 3 – Prerequisite successful completion of 0.75 level 2 credit and approve project proposals.

Recommend to take for more than one consecutive trimester. Fee - \$10

Students may pursue an individualized capstone project relating to engineering and technology. After carefully defining the problem, teams of students will design, build, and test their solution. While progressing through the engineering design process, students will work closely with experts and will continually hone their organizational, communication and interpersonal skills, their creative and problem solving abilities, and their understanding of the design process.

DESIGN THINKING

GRAPHIC DESIGN

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

This course is designed to provide students with the basic knowledge and skills related to the graphic design and printing industries. This includes instruction and hands-on assignments in the following areas: Design & layout, safety, printing operations, related computer and software, and professional skills.

PHOTOGRAPHY 1

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

This course prepares individuals to use artistic techniques combined with a commercial perspective to effectively communicate ideas through digital photography. Instruction includes training in specialized camera and equipment operation, software usage, maintenance, applications to commercial and industrial needs, and photography business operations.

SCREEN PRINTING

0.25 Credit - Grades 9-12 (CTE)

Students will learn the history and full process of screen printing. Students will learn how to use Adobe Illustrator to create screen printing posters on the computer to learn the shapes of simplicity of screen printing. Students will learn the full screen printing process by creating a design and creating a screen to print on shirts.

ADVANCED MEDIA PRODUCTION – Graphic Design, Digital Photography, Audio Production

0.25 Credit—Grades 9-12 (CTE)

Level 2 – Prerequisite successful completion of .25 level 1 credit.

As part of the new project-based media production course, students will form a virtual media production company, and create compelling "work-for-hire" pieces to satisfy client demands. Your teacher will assume the role of client to provide expectations, deliver constructive criticism, and even make seemingly unreasonable demands that will require students to work

collaboratively, think critically, operate professionally, and meet deadlines in a high pressure media environment. Students will need to satisfy one of the prerequisites, or show examples of work from one or more media disciplines to enroll in this course.

FASHION DESIGN

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

Fee - \$10

Students will explore the fundamentals of fashion design from a historical, cultural, and business point of view and gain knowledge of key fashion terms and practices. We will investigate trends, wardrobe basics, and future career options. We will get the opportunity to learn sketching techniques, textile importance, and produce one of a kind fashion pieces. This is a hands on course where you will design, sew, and work collaboratively.

INTERIOR DESIGN

0.25 Credit—Grades 9-12 (CTE)

Level 1 – No Prerequisite

Fee - \$10

This course enables students to explore their creativity in the field of interior design. Identification of the elements and principles of design are emphasized. We will investigate architecture, landscape design, and space planning for residential and small businesses. Other topics included are furniture arrangement basics, floorplanning, and careers. We will work on design boards selecting fabric, trim, and color swatches for designs. We will also use technology to design 2D and 3D interiors.

MIXED MEDIA DESIGN

0.25 Credit – Grades 9-12 (CTE)

This class will explore textile/fiber arts, hand stitching, mixed media works, printmaking and journaling. We create a space where they can discuss their work and feel confident in exploring various media. We will watercolor, emphasize hand lettering, storytelling, poetry and bookmaking. We will work on collaborative and individual projects. Most of this course is done on paper and fabric. Computers and phones will not be used.

COMMERCIAL ART

0.25 Credit – Grades 9-12 (CTE)

Welcome to High School Intro to Commercial Art. We will learn how to communicate concepts through art and creative design. The class aims to provide an open arena for students to learn in and a space where they can discuss their work and feel confident in utilizing various media. We will explore typography, branding, graphics, advertising, fine arts, illustration, collage and journaling.

ADVANCED DESIGN STUDIO – Interior Design, Fashion Design

0.25 Credit—Grades 9-12 (CTE)

Level 2 – Prerequisite successful completion of .25 level 1 credit.

Fee - \$10

Students may pursue advanced studies in Fashion and Interior design. Students will self direct their learning through buzz modules and may earn up to .5 credit in each discipline. Teamwork and collaboration is strongly encouraged.

AISU NEWS

0.25 Credit—Grades 9-12 (CTE)

Around the school or around the world AISU brings you the news! AISU News students research, write, and produce a daily newscast. In addition to being comfortable appearing on camera, students learn how to operate filming, editing, lighting, and sound equipment. Make your mother and America proud – become a member of the AISU news team!

CTE COURSES OFFERED AS INTENSIVES **(Descriptions listed in intensive course list)**

PERFORMING ARTS

Performing Arts courses are year-long courses unless otherwise specified

CHAMBER CHOIR

1.0 Credit—Grades 9-12 (AE)

An advanced 32-voice choir. Audition and previous experience required. Performance opportunities will be frequent (at festivals, competitions, and community events). Students will hone their listening skills and their ability to

critique musical performances. Experiences will also be related to personal development. Audition required.

SYMPHONIC CHORALE

1.0 Credit—Grades 8-12 (AE)

A large SATB ensemble (men and women) that explores a wide variety of vocal repertoire from musical theater to pop to classical. Members will have opportunities to participate in competitions and festivals and to collaborate with the AISU Symphony Orchestra and other Salt Lake-area performing groups. Experiences will also be related to personal development. Audition required.

GROUP VOICE

0.25 Credit—Grades 9-12 (AE)

Trimester only

Want to explore voice? Develop healthy vocal technique in a low-pressure group setting and learn how to prepare for successful auditions. Students will perform in a variety of styles (musical theater, pop, classical) and sing for each other (as they are comfortable), receiving personalized feedback from the instructor and their peers. No experience required. 10 student maximum.

AISU STRING ORCHESTRA

1.0 Credit—Grades 6-12 (AE)

String Orchestra is a performance group open to students who have an interest in beginning the violin, viola, cello, or double bass. Emphasis will be placed on basic orchestral and ensemble playing techniques and music reading. Students will occasionally be required to attend rehearsals and performances outside the regular school day.

AISU PHILHARMONIA (Intermediate Full Orchestra)

1.0 Credit—Grades 6-12 (AE)

Prerequisite: Audition required or successful completion of AISU String Orchestra
The AISU Philharmonia is a performance group open to wind, brass, string, and percussion students who have intermediate-level proficiency. Emphasis will be placed on advancing orchestral playing techniques, sight-reading, and ensemble skills. Students will occasionally be required to attend rehearsals,

performances and participate in sectionals outside the regular school day. This course is required for students wishing to enroll in AISU Symphony Orchestra in future years. Audition required.

AISU SYMPHONIC ORCHESTRA (Advanced Full Orchestra)

1.0 Credit—Grades 6-12 (AE)

Prerequisite: Audition required

The AISU Symphony Orchestra (strings, winds, brass, and percussion) provides more experienced musicians with the opportunity to refine their technique while performing more challenging literature. Sectionals, rehearsals, festivals, and performances, and other musical opportunities will occur both within and outside the academic day and are integral to the course. This orchestra will collaborate occasionally with the AISU choirs, and members of the orchestra will have the opportunity to perform in the pit for the annual school musical. Audition required.

CONCERT BAND (Beginning Band)

1.0 Credit—Grades 6-12 (AE)

This course provides opportunities for students to develop their musical potential and aesthetic understanding through learning to play a woodwind, brass, or percussion instrument. Study includes the care and cultivation of a beautiful tone, the ability to read music, the building of technical skills, team spirit, and responsible rehearsal habits. Students will have opportunities to experience the spontaneity of improvisation and the creative process of composing. Attention will also be given to relating their music experiences to the time and culture of the pieces they study, as well as to contemporary society.

GROUP GUITAR

0.25 Credit—Grades 6-12 (AE)

Trimester Only

Students in Group Guitar will explore beginning-level fingerings and chord patterns and develop basic guitar technique. Students may progress at an individualized rate, guided by the instructor. Guitar and method book required.

HISTORY OF ROCK & ROLL

0.25 Credit—Grades 9-12 (AE)

Trimester Only

Students will experience and explore the cultural and stylistic history of Rock and Roll. This course will have a stronger focus on listening and exploring popular and rock and roll music from the twentieth century that will spur a deeper discussion into larger global and cultural topics that inspired the creation of many of these works.

MUSIC HISTORY

0.25 Credit - Grades 9-12 (AE)

Trimester Only

Students study composers, the era they lived, and the style of their music, moving through Medieval, Renaissance, Baroque, Classical, Romantic, and Modern eras of musical style. This course is a bird's-eye overview of the history of written music in Europe and America.

GROUP PIANO

0.25 Credit - Grades 9-12 (AE)

Trimester Only

Working at digital, weighted 88-key keyboards, students learn piano technique, read printed music, and develop understanding of chord progressions and rhythms. Beginners and intermediate students are welcome and are given challenges based on their needs and goals.

DANCE / FITNESS

0.25 Credit—Grades 9-12 (AE)

Trimester Only

Students will come to a greater understanding of the art of dance through a critical and creative exploration of the elements of dance (time, space, and energy). Through the exploration of these elements, along with a variety of various movement styles (Modern, Ballroom, Jazz, and Hip Hop), students will be challenged to increase balance, flexibility, musicality, and full body awareness.

DANCE / HIP HOP

0.25 Credit – Grades 9-12 (AE)

Trimester Only

Hip-Hop class will include daily warm-up and conditioning. Students will work on beginner/intermediate break dance skills, across the floor combinations and choreography. Artistic expression is encouraged, emphasis will be placed on strength of movement, isolations and musicality.

DANCE CONSERVATORY

1.0 Credit—Grades 9-12 (AE)

Prerequisite: Placement Class Required

Students will come to a greater understanding of the art of dance through a critical and creative exploration of the elements of dance (time, space, and energy). Through the exploration of these elements, along with a variety of various movement styles (modern, ballroom, jazz, and hip-hop), students will be challenged to increase balance, flexibility, musicality, and full body awareness. With multiple performing and touring opportunities throughout the school year, AISU's High School Dance Conservatory is designed to assist the serious dance students with the tools needed to move forward in the fast moving field of 21st century dance.

BALLROOM

0.25 Credit—Grades 6-12 (AE)

Trimester Only

This course will cover the classic and contemporary Ballroom dances such as, but not limited to; Foxtrot, Waltz, Tango, Rumba, Cha-Cha, Swing, Salsa and Hustle. Learning to dance involves repetition as with learning any sport or a musical instrument. Focus on polish, flair and more complicated patterns and combinations will develop as the trimester progresses, after a technical foundation is developed. Ballroom is a wonderful way to make new friends, learn a new skill, and have fun.

INTRO TO THEATER

0.25 Credit—Grades 9-12 (AE)

Trimester Only

Intro to Theater students will develop the ability to recognize and describe the development of theatrical forms, an understanding of the history, traditions, and conventions of the theater. Intro to Theater provides the opportunity for students to develop a sense of intellectual, physical, and emotional comfort as they work collaboratively and cooperatively with other students to approach performance preparation, the creative process, basic acting skills, theater careers and practices, and the process of critiquing and evaluating performances.

THEATER FOUNDATIONS 1

0.25 Credit—Grades 9-12 (AE)

Trimester Only

Prerequisite: Intro to Theater

Theater Foundations 1 is for students who want to take their basic acting experience a step further. Students will delve further into various theatrical forms, the history, traditions, and conventions of the theater while preparing for performance and competition.

THEATER CONSERVATORY

1.0 Credit—Grades 9-12 (AE)

In this course, students will study theatre as a literary- and performance-based art form and develop an understanding of the processes involved in the creation of theatre. Students will gain insight into the vital role theatre plays in society and obtain a greater understanding of society in relation to themselves as revealed through theatre. Topics may include costume and set design, lighting, and scriptwriting. In addition to the scheduled classes, students will attend several live theater performances. A lively curiosity and an interest in exploring the power of theater are the only prerequisites for this class.

STAGECRAFT

0.25 Credit—Grades 9-12 (AE)

Trimester Only

The art of stagecraft includes constructing and rigging scenery; hanging and focusing of lighting; design and procurement of costumes; make-up; stage management; audio engineering; and procurement of props. In this particular course, we will focus on the basic design and implementation of scenery, costumes, theatrical makeup, props and of stage management.

PERFORMING ARTS ELECTIVE **COURSES OFFERED AS INTENSIVES** **(Descriptions listed in intensive course list)**

VISUAL ARTS

Visual Arts courses are Trimester only courses unless otherwise specified

3D ART

0.25 Credit—Grades 9-12

In this class we explore 3D Art through functional and sculptural pottery and ceramics. Using a variety of hand building techniques, you'll create an array of usable, colorful pottery built entirely from scratch, by you. You will hone troubleshooting skills, patience, and gain a better understanding of design and aesthetics along the way.

STUDIO ART I

0.25 Credit—Grades 9-12 (AE)

Studio Art 1 will be an introduction to the elements of art for those who may have never taken any other art class, but will also be a challenge and a new perspective to those already more experienced with art. Students will study many contemporary and historical artists. Students will use a variety of art mediums and have the chance to explore many different styles, and will be able to develop their art skills, as well as be introduced to art theory and contemporary art thinking.

STUDIO ART II

0.25 Credit—Grades 9-12 (AE)

Prerequisite: Studio Art I or teacher approval. Studio Art 2 will be a continuation of the skills and mindset that was introduced in Studio Art 1. Students will continue to explore art-making in a variety of mediums, and will explore contemporary artists as well as art-history. More skills and techniques will be developed within this course, and we will begin to explore how art can affect positive change in the world.

ADVANCED STUDIO

0.25 Credit—9-12 (AE)

Prerequisite: Studio Art 2 or teacher approval. Advanced Studio will be a smaller workshop of students who are passionate about developing their own art-making. Students will have the opportunity to build their own painting panels, and stretch their own large canvases. This will be a class for students who want to develop their own

voice and style and work towards a strong body of creative work. Work will be done independently while working within a class theme, and at the end of the trimester, we will put together an art show with the work produced within the course.

ARTS COURSES OFFERED AS INTENSIVES

(Descriptions listed in intensive course list)

PHYSICAL EDUCATION/HEALTH

PE/Health courses are Trimester only courses unless otherwise specified

HEALTH

0.5 Credit—Grade 10 (R)

This course is designed to inform students about themselves and their well-being. The course covers such topics as personal hygiene, mental health, relationships, anger management, physical fitness, body systems, substance abuse, STD'S and HIV.

FITNESS FOR LIFE

0.5 Credit—Grade 9 (R)

Trimester Only

Fitness for Life is a comprehensive program designed to help teens take responsibility for their own activity, fitness, and health and to prepare them to be physically active and healthy throughout their adult lives. Students will use fitness knowledge to develop and follow a personal fitness plan.

PE PARTICIPATION

0.5 Credit—Grades 9-12 (R) (PEP)

This credit can be earned by taking 2 of the following classes: PE Participation, Conditioning.

PE PARTICIPATION

0.25 Credit—Grades 9-12 (PEP)

Students will learn the fundamentals of many different sports such as basketball, volleyball and soccer. Students will have fun while learning basic fitness concepts and principles. This is a participation graded course.

CONDITIONING

0.25 Credit—Grades 9-12 (PEP)

Basic Conditioning is a PE elective course designed to help increase knowledge and understanding of basic strength and conditioning techniques and workouts. Students will implement this knowledge into weekly workout sessions that are designed to increase their aerobic and anaerobic capacities. This course is for all athletic abilities and ability level.

PE LIFETIME ACTIVITIES

0.5 Credit—Grades 9-12 (R) (PEL)

This credit can be earned by taking 2 of the following classes: Yoga, Weight Training or Lifetime Activities.

LIFETIME ACTIVITIES

0.25 Credit—Grades 9-12 (PEL)

This course offers instruction and practice in the fundamentals of different lifetime activities such as pickleball, ultimate frisbee and table tennis. Students will have fun while being active and learning new skills. This is a participation graded course.

YOGA

0.25 Credit—Grades 6-12 (PEL)

Yoga represents the union of body, mind, and soul and it is also a lot of fun! This class will be influenced by a variety of yoga styles (Ashtanga, Iyengar, Hatha, and Anusara) and will encourage students to develop strength, flexibility, and concentration. We will explore the history and philosophy of yoga as we delve into basic and intermediate level poses. At the end of the course students will feel comfortable to continue their path in yoga and feel confident in a variety of poses. This class is guaranteed to be fun!

WEIGHT TRAINING

0.25 Credit—Grades 9-12 (PEL)

Students will be introduced to the fundamental skills of weight training for personal fitness. Emphasis will be placed on proper techniques, training programs, nutrition and the overall benefit of weight training. Students will learn how to build their own individualized weight training plan and learn how to progress effectively for maximum benefits. All skill levels welcome.

SPORTS MEDICINE

0.25 Credit - Grades 9-12 (PEE1)

This course is designed to introduce students to the field of sports medicine. We will explore various aspects of the profession, discuss basic medical terminology, anatomy, first aid, injury prevention, the healing process, rehabilitation techniques, and sports nutrition. There will be weekly labs where students will explore various injuries and ways to treat and rehabilitate them.

PE COURSES OFFERED AS INTENSIVES **(Descriptions listed in intensive course list)**

DIRECTED COURSEWORK

Directed Coursework courses are Trimester only courses unless otherwise specified

FINANCIAL LITERACY

0.5 Credit—Grade 12 (R)

This course will enable students to implement decision-making skills they must apply and use to become wise and knowledgeable consumers, savers, investors, users of credit, money managers, citizens, and members of a global workforce and society. At the end of the course students will be informed and prepared to be prudent managers of financial resources, enabling

them to achieve long and short term financial goals and security; demonstrate an understanding of personal financial planning and sound money management skills; actively participate in and understand management of personal saving and investments and accept responsibility for and understand personal and societal consequences of financial decisions. Taught through course:

I - ECON: Risking Value

GENERAL ELECTIVE

General Elective courses are yearlong courses unless otherwise specified

AISU LEADERSHIP SERIES/CREW

0.5 Credit—Grades 9-12 (GE) **Required by AISU**

This course focuses primarily on studying the elements and personal traits of good leaders. This course gives *you* the opportunity to develop the habits of making and keeping weekly commitments and effectively budgeting your time. Students develop an academic and personal achievement plan.

YEARBOOK

1.0 Credit—Grades 9-12 (GE)

Calling all individuals who love capturing the moment. We need your help. You will learn about layout, design, photography, video, interviewing, and then it's "go-time." Join our team today!

RELEASE TIME

PARENT RELEASE TIME

No Credit—Grades 9-12

Students are released into the care and supervision of their parent or guardian for the purpose of religious instruction.

WORK RELEASE TIME

No Credit—Grades 11-12

Students may be released to work off-campus.