

Wayne High School

Catalog



2016-2017

Graduation Requirements

Total Credits For High School		Minimum Requirements (Each class listed below is required during high school)	College or University Recommendation, NCAA Requirements
Language Arts	4	Eng. 9, Eng. 10, Eng. 11, AAC*	Eng. 1010 and Eng. 2010
Math	4	Sec. Math I, II, III or honors, AAC*	Math 1030,1040,1050
Science	3	Must complete two of the following: Earth Systems, Biology, Ag Biology Chemistry, Physics, and one AAC*	Chemistry, Physics Biology, Anatomy & Phys
Computers	.5	Computer Tech .5 credit and	One or more full years
Art	1.5	One and a half full years	
Social Studies	2.5	Geography .5 credit, US History 1.0 credit, World Civ 1.0 credit Govern. & Citizenship .5 credit,	Ed-net Classes: Sociology 1010, Psychology 1010 POLS 1100
Health & PE	2	Fitness PE & Participation PE, Advanced PE, Health (Each class is one semester- .5 credit)	
Foreign Language		Not required for graduation, Strongly recommended	One full year, U of U requires two full years
Career & Technical	1	One full year. Can be a combination of any applied tech. classes Education	
Personal Finance	.5	One semester, 11 th or 12 th grade	
Teen Living	.5	One semester, 9 th or 10 th grade	
Adult Roles	.5	Adult Roles one semester or Child Development full year, 11 th or 12 th grade	
Electives	5.0		
TOTAL	24		

Courses meeting the criteria for graduation requirements

Language Arts - Three courses from the Foundations plus one from the Applied and Advanced list		
Foundation Courses	Applied and Advanced Courses	
*English 9 *English 10 *English 11	Humanities *Journalism 1 and 2 AP Literature and Composition AP Language and Composition Basic Writing Skills Basic Reading Skills *12th Grade Language Arts College Prep Language Arts	Technical Writing School Newspaper *Creative Writing 1 and 2 Literature Business Communication World Languages 3, 4, or AP Debate Concurrent Enrollment Course# *English 1010 & English 2230
Mathematics – Three credits including two Foundation courses plus an additional course from the Foundation Course list or Applied and Advanced course list		
Foundation Courses	Applied, Advanced or Supplemental Courses	
Secondary Math I, II, III Secondary Math I, II, III Honors Precalculus	*Algebra A Introductory Calculus *AP Calculus AB AP Calculus BC Introductory Statistics AP Statistics Mathematics Essentials College Prep Mathematics	Mathematics of Personal Finance Modern Mathematics Mathematical Decision Making for Life Accounting I and II Computer Programming Concurrent Enrollment# Math 1050
Science – Courses from two of the four areas of science on the Foundation Courses list plus an additional course from the Foundation Courses list or Applied and Advanced Courses list		
Foundation Courses	Applied or Advanced Courses	
*Earth Systems AP Environmental Science *Biology Human Biology *Biology – Agricultural Science AP Biology *Chemistry AP Chemistry Physics *Physics with Technology AP Physics	Environmental Science Investigation Science Geology Marine Biology/Oceanography Meteorology Biology Elective Botany Genetics Human Physiology Anatomy and Physiology *Medical Anatomy and Physiology Bio-Technology Wildlife Biology Zoology Astronomy Aerospace Aeronautics	*Natural Resource Science I or II Agricultural Science I, II, III, or IV Aquaculture, Advanced Aquaculture, Introductory *Animal Science I or II Plant and Soil Science I or II Agricultural Biotechnology Pre-Engineering Basic Electronics Advanced Electronics Digital Electronics Principles of Engineering Concurrent Enrollment# *Biology 1010 & PHSC 1000 *Chemistry 1010/1015 *Geology 1050/1055 *Geology 1090/1095

*** Designates course taught at Wayne High School**

#Concurrent enrollment courses offered from college/university language arts, mathematics, and science departments

NOTE: Teachers currently meeting state license and endorsement requirements for an approved applied or advanced course are qualified to teach that course.

Course Descriptions

Language Arts

English 9

9 grade

Full year course

Basic English course as outlined by the Common Core Curriculum includes the following learning outcomes: demonstrating positive attitude toward language arts skill and processes; demonstrating appreciation for the role of language arts; demonstrating understanding of the nature of language; understanding and using receptive and expressive oral language skills to communicate effectively; using skills, strategies, and processes of reading and writing. All English classes will follow the six-traits of writing and the multi-step writing process. Weekly spelling and vocabulary tests are part of the core standards, as well as Daily Language Skills exercises. There will also be several writing assignments during the year.

English 10

10 grade

Full year course

This course will continue the development of reading, writing, listening, and speaking skills. Students will build on the skills acquired in previous courses while further improving their communication skills. Students will read literature in a variety of forms. Emphasis will be placed on sharpening the grammatical skills necessary for effective speaking and writing. Emphasis will also be placed on literature in the form of drama or plays. All English classes will follow the six-traits of writing and the multi-step writing process.

English 11

11 grade

Full year course

Basic English course as outlined by the Common Core Curriculum includes the following learning outcomes: demonstrating positive attitude toward language arts skill and processes; demonstrating appreciation for the role of language arts; demonstrating understanding of the nature of language; understanding and using receptive and expressive oral language skills to communicate effectively; using skills, strategies, and processes of reading and writing. All English classes will follow the six-traits of writing and the multi-step writing process. Weekly spelling and vocabulary tests are part of the core standards, as well as Daily Language Skills exercises. There will also be several writing assignments during the year.

English 12

12 grade

Full year course

This class includes the same standards as English 11, as well as responsibility for the school newspaper, which is to be published monthly unless otherwise needed.

Creative Writing

12 grade

Semester

This class will explore creative writing styles and techniques. Students will be required to produce the school newspaper. Students may only take one semester each year of 11th and 12 grades. Priority will be given to students who have not taken the class before.

English 1010—Introduction to Writing

12 grade

Semester

Students learn skills and strategies for becoming successful academic readers, writers, and speakers: how to read and write critically, generate and develop ideas, work through multiple drafts, collaborate with peers, present ideas orally, and use computers as writing tools.

Perquisite: Must have a 17 on the ACT English test. Snow College 3 credits. Will count for .5 high school English credit.

English 2230—Classic Myths and Folktales 11-12 grades Semester

This course explores myths and folktales of the world, with an emphasis on Greco-Roman myths and tales. The course focuses on application of myths to art, literature, and Western culture in general. Snow College 3 credits. Will count for .5 high school English Credit.

Mathematics

Secondary Mathematics I 9-12 grades Full year course

Algebra/Geometry

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.

Secondary Mathematics I Honors 9-12 grades Full year course

Algebra/Geometry

Students in Secondary Mathematics I Honors 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. Honors students will represent quantities, model, and perform operations using vectors and use matrices to perform operations and solve problems.

Secondary Mathematics II and Honors 9-12 grades Full year course

The focus of Mathematics II is on quadratic expressions, equations, and functions; comparing their characteristics and behavior to those of linear and exponential relationships from Mathematics I as organized into 6 critical areas, or units. 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. The Mathematical Practice Standards apply throughout each course and, together with the content standards, prescribe that students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

Pre Calculus 11-12 grades Full year course

Students will continue to study the equations and functions introduced in intermediate algebra. In addition, students will study trigonometry, sequences and series, and basic probabilities.

Prerequisite: proof of successful completion of intermediate algebra.

Math 1050**12 grade****Full year course**

An axiomatic development of the real number system, logarithms, systems of equations, complex numbers, theory of equations, matrices, progressions, and the binomial theorem. Graphing calculator required. Students will not be allowed to drop this class during the year. *Prerequisite:* must have an ACT score of 23 or higher on the math test and have successful completed Pre-Calculus. Snow College 4 credits

Social Studies**Geography****9-12 grade (usually taken in 9th grade)****Semester**

Geography will include map skills and physical and human geography essentials, beginning with North America, South America, Europe, and their connections to other world regions.

World Civilization**10-12 grade (usually taken in 10th grade)****Semester**

World Civilizations emphasizes the increasing interrelationships of the world's peoples over time. These interrelationships have developed in two major arenas. First, the relationships developed among major regions of the world: East Asia, South Asia, Southwest Asia (Middle East), Africa, Europe, North America and Latin America. Second, they have developed within all aspects of human activity: political, economic, social, philosophical and religious, scientific and technological, and artistic.

US History**11-12 grade (usually taken in 11th grade)****Full year course**

This course will give the student an understanding of the basics of American History. Students will build on knowledge previously acquired. The course will include all major points in U.S. history, up to and including the present day. Literature and other forms of media will be included throughout the course of the year.

Government and Citizenship 11-12 grade**Semester**

This course is designed to help develop informed, responsible participation in public life. Understanding the importance of being a good citizen is necessary for the preservation and improvement of United State democracy. Students will understand the major ideas, protections, privileges, structures, and economic systems that affect the life of a citizen in the United States political system. Political essays and other forms of media will be included throughout the course of the semester.

POLS 1100**11-12 grade****Semester**

American National Government. This course is an introduction to the structure, function, and political dynamics of the major institutions within the American governmental system. This class will count for the American Government high school requirement. Snow College 3 credits

Science**Earth Systems****9-10 grade****Full year course**

Earth Systems cover all aspects of the earth. We study the land, water, air, living things, and how they interact with each other. It is a class meant to introduce students to the earth. It is a good foundation for other science courses. *Foundation Course*

Biology 9-12 grades usually taken in 9th or 10th grades Full year course

Biology is designed as a 9th and 10th grade class, but is open to any student in need of science credit. We cover topics including cells, heredity and genetics, plant and animal systems, and the environment. This is a great class for learning some basic information about many aspects of living things. *Foundation Course*

Biology Agriculture 9-12 grades Full year course

This course is designed to meet the requirement for biological science credit. The standards and objective for this course are the same as the standards and objectives for biology, with the only difference being the degree of emphasis on agriculture. Students completing this course will be cognizant of current technologies, methods, and changes in agricultural science and are expected to know and apply the standards outlined in the core curriculum as they relate to the industry of agriculture. *Foundation Course*

Chemistry 10-12 grades Full year course

Chemistry is a more advanced class that is meant for college bound students. It is faster paced and has more homework. Students need to have taken Algebra I or higher, earning a “B” or better. 10th, 11th, and 12th grade students are the target audience. *Foundation Course*

Principles of Technology/Physics 10-12 grades Full year course

POT/Physics is a hands-on class that teaches students basic physics principles. There are four or more labs for each unit, as well as other projects. Algebra I or higher is necessary to take the class. Students need to be able to solve problems and work in groups to succeed in this class. 11th or 12th grade students are the target audience. *Foundation Course*

Medical Anatomy and Physiology 10-12 grades Full year course

MAP is a class designed to introduce students to the parts and functions of the human body. It is medically oriented and careers are discussed. There is a great deal of memorization with the class and some homework. There is some dissection of organs. Students need to be interested in medicine to enjoy the class. State Skills Certification is available. *AA Course*

Animal Science I 9-12 grades Full year course

Students will be exposed to a wide range of scientific principles such as: genetics, anatomy, physiology/nutrition, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized. State Skills Certification is available. This course will be taught every other year.
Prerequisites: Must have taken or currently taking biology agriculture or biology. *AA Course*

Natural Resource Science I 9-12 grades Full year course

Students will participate in activities that include instruction on the importance of production management and conservation of our natural resources, ecology, and fish and wildlife. Field and laboratory experiences will be emphasized. *AA Course*

PHSC 1000- Physical Science 11-12 grades Semester

Conceptual approach to and demonstrations of the most significant and universal laws and models describing the physical world. Includes components of physics, astronomy, chemistry, and geology. Snow College 3 credits

CHEM 1010/1015-Intro Chemistry & Lab 11-12 grades Semester

A one semester liberal arts course dealing with the fundamentals in chemistry that apply to everyday living. A course intended to fill the general education requirement in physical science. SUU 3 credits

CHEM 1110/1115-Elem. Chemistry & Lab 11-12 grades Semester

A general introduction to inorganic chemistry designed for family and consumer sciences, agriculture, nursing and other students who need only one year of basic chemistry. SUU 3 credits

CHEM 1210/1215-Elem. Chemistry & Lab 11-12 grades Semester

An introductory chemistry course designed for students in engineering, physical science, pre-medical, pre-dental, pre-pharmacy, or pre-veterinary medicine. For all students who need more than one year of chemistry. *Prerequisite:*

Arts

Band I 9-12 grades Full year course/Semester

This class is for students who are interested in playing traditional band instruments, i.e. saxophone, trumpet, clarinet, etc. Prior experience on a musical instrument and the ability to read musical notation are not required, but helpful. This class will focus on the elements of performance and will focus on Region Solo & Ensemble competitions. Solo and small ensemble playing is a must. String instruments will also be accepted into this class.

Band I-Percussion 9-12 grades Full year course/Semester

This class is for students who are interested in playing percussion instruments. Prior experience on a musical instrument and the ability to read musical notation are not required. This class will focus on the elements of performance.

Foundation Art II 9-12 grades Semester

This is an entry level art class that covers the basic arts from drawing to ceramics. This class is a prerequisite to the Design and Visual Communication class. May be taken only once for art credit.

Design and Visual Communication 9-12 grades Semester

The commercial art class is a silkscreen and layout class that covers foundations and fundamentals of printing. *Prerequisite:* Foundation Art II May be taken only once for art credit.

Theatre Arts**9-12 grades****Full year course**

We study acting, movement of the body, voice exercises, and using the voice as a tool. Students will participate in improvisation and also in acting out scenes, writing and performing their own monologues, make-up for the stage, and speech and debate. Students will also compare and contrast different genres of the theatre and diagram plots for various performances.

Architectural Drafting 9-12 grades**Semester or full year course**

Students learn technical skills and structural elements needed to produce a working set of house plans. Emphasis is on residential design and residential building codes. Students produce a set of plans of their own design using CADD drafting software (AutoCADD/Architectural Desktop). *No Prerequisite*. Concurrent enrollment available through Snow College, 3 credits earned for completion of one year. College credit for juniors and seniors. State Skills Certification is available. Fine art credit will also be given for this class.

Art 1010**11-12 grades****Semester**

This is a course in which students will learn to understand and appreciate art through the study of the visual language. Students will also be introduced to the development of art through the study of art history. Snow College 3 credits

Physical Education**Health****9-12 grades (usually taken in 10th grade) Semester**

This course is designed to offer students the opportunity to acquire knowledge, incorporate process and life skills, and develop positive attitudes about life. Development of a healthy body and a healthy mind will assist young people in living active, productive, and successful lives.

Fitness for Life**9-12 grades****Semester**

This one semester class is designed to give students knowledge and skills necessary to self-assess, create, conduct, evaluate, and redesign personal fitness programs. It is required for all students. This course is a combination of classroom and activity-based learning activities with a focus on proper nutrition and the mastery of skills and concepts necessary for students to become accomplished monitors of their personal lifetime fitness. All students are required to complete this class for graduation.

Participation Skills PE 9-12 grades**Semester**

This semester class offers students instruction in lifetime activities. Individual, dual, and team sports activities are included, with emphasis on activities offering lifelong participation opportunities. This course is designed to develop competency in up to five different activities. Competency involves the ability to apply the basic skills, strategies, and rules using standard guidelines. Fitness testing is conducted to provide personal information to the student and to measure improvement from the beginning to the end of a grading period.

Weight Training**9-12 grades****Semester**

This course involves proper strength training techniques. Students are required to establish a weight lifting program and demonstrate adequate strength gains.

Participation in sports 9-12 grades

For each full season of participation on a high school sports team .25 credits can be awarded up to .50 credits total. Cheerleading and drill team are not considered sports, and will not earn credit.

Career and Technical Education

Family and Consumer Sciences

Teen Living:

9th grade

Semester

This class is the prerequisite to Adult Roles. This course addresses issues which impact teens, including: self concept, family and peer relationships, substance abuse, dating, sexual responsibility and teen pregnancy, and challenging times. Emphasis is placed on personal responsibility, critical thinking skills, and taking charge of one's own life.

Adult Roles:

11th-12th grades

Semester

This class is required by Wayne School District. This class is aimed at helping students evaluate alternatives and develop skills necessary to be successful in their adult roles and responsibilities. Topics include: personal development, the family life cycle and relationships, communication skills, dating relationships and mate selection, marriage relationships, money management, and parenting and child guidance.

Major requirement is a family communication project and paper. State Skills Certification is available. *Prerequisite:* Teen Living

Child Development: 9-12, most preferred for 11th-12th grades Semester

This class studies preparedness for parenting, nurturing and bonding, child development theorists, conception and pregnancy, prenatal development and birth, and growth and development of the child. The last semester studies the characteristics of a good preschool and how to set up a preschool. A hands on preschool is conducted by the students.

Major projects include: a childhood paper, theorist research, preschool assignments, and a child observation paper. State Skills Certification is available.

Early Childhood Education:

9-12 grades

Semester

This course prepares individuals for child-related careers and/or more extensive parenting skills through personal interaction with children. Instruction is given in developing positive relationships with and learning experiences for children, childcare policies and management, guidance techniques, and health and safety concerns. On-site preschool and/or child care experiences will be a major component of the course. Previous completion of the Child Development course is recommended. Student leadership (FCCLA) may be an integral part of the course.

Interior Design: 9-12, most preferred for 11th-12th grades Full year course

This class studies principles and elements of design and their practical application in Interior Design. Topics covered include: floor plans and furniture arrangement, architectural history and styles, furniture design and structure, kitchen design, floor and wall coverings and window treatments, and lighting fixtures and accessories. A portfolio is prepared in class that contains related assignments. Dream homes are selected and the Advanced Drafting students put them on the CADD system for the students to use in selecting and arranging furniture. The final project consists of a presentation board of the dream home with furniture styles, color schemes, floor, wall and window treatments, and appliances. State Skills Certification is available.

Fashion Strategies: 9-12 grades Semester

This course studies personal fashion and grooming. Topics covered include: fashion history, fashion careers and designers, principles and elements of design in clothing, textiles and clothing coordination, wardrobe selection and care. State Skills Certification is available.

Clothing I 9-12 grades Semester

Students will study sewing equipment, patterns and layout, and operation and care of the sewing machine. Samples are prepared to meet performance objectives and include: correct seam allowances and finishes, pressing techniques, pockets, buttonholes, and hand stitching techniques. Student will construct projects of their choice consistent with their sewing abilities and experience. State Skills Certification is available.

Clothing II 9-12 grades Semester

This course introduces students to basic sewing, serger, and pressing equipment, reviews the types of fabric construction, makes an intermediate level project using correct construction techniques. Student leadership (FCCLA) may be an integral part of this course. State Skills Certification is available.

Foods and Nutrition I & II: 9-12 grades Full year course

This course includes instruction and lab experiences in: kitchen management; cooking basics; nutrition and the food pyramid; basic food skills; and preparation of fruits and vegetables, pasta, food combinations and meats. Advanced food preparation of quick and yeast breads, pastries, cakes, cookies, cultural and ethnic foods, using creative cooking techniques will also be taught. State Skills Certification is available.

HFST 1500—Human Development 11-12 grades Semester

In this course, students learn about the fundamental principles of growth and development from conception, through childhood, to old age. The course includes the study of the biological process of development, as well as the emotional, social and cognitive development of the individual within a culture and historical context. Snow College 3 credits. Will count for the high school Responsible Adult requirement.

Business and Technology

Computer Technology 9-12 grades Semester

An introduction to computer application software that includes word processing, spreadsheets, databases, and telecommunications. Instruction on career opportunities, business ethics, and trends is included. State Skills Certification is available.

Computer Technology II 9-12 grades Semester

This course applies advanced concepts and principles using word processing, spreadsheets, databases, and electronic presentation software. Students will integrate applications learned. This course builds on skills included in Computer technology. State Skills Certification is available.

Desktop Publishing 9-12 grades Semester

This course provides skill development in the electronic procedures of producing and editing

publications. Students will create, format, illustrate, design, edit/revise, and print publications. Improved productivity of electronically produced newsletters, flyers, brochures, reports, advertising materials, and other publications is emphasized. Proofreading, document composition, and communication competencies are also included. State Skills Certification is available.

Word Processing Basic 9-12 grades

Quarter

In this introductory course, students learn basic word processing skills. These skills include editing and proofreading documents, performing standard file management procedures, keyboarding, and creating applicable business documents to simulate a working environment. State Skills Certification is available.

Business Web Page Design

9-12 grades

Semester

This course provides students with an introduction to the internet. Students will demonstrate a basic knowledge of the internet and its tools through the use of e-mail, 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. State Skills Certification is available.

Advanced Business Web Page Design

9-12 grades

Semester

This course is a continuation of skill developed in Business Web Page Design. 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. State Skills Certification is available.

Trade and Technical

Tech Design I

9-12 grades

Full year course

This is the first instructional course in a sequence of courses that prepares individuals to develop technical knowledge and skills required to plan and prepare scale pictorial interpretations of engineering and design concepts. This includes instruction in the use of 2D/3D CAD software, sketching, drawing layout, geometric construction, orthographic projection, and dimensioning. *No prerequisite.* State Skill Certification is available.

Tech Design II

9-12 grades

Full year course

Advanced drafting is the third step in understanding the application required to produce a workable drawing. Good sketching techniques should be emphasized when preparing to start a working drawing. Drawings that are assigned should complement the competency and require the student to solve problems, not just copy. State Skill Certification is available.

Architectural Design I 9-12 grades

Full year course

Students learn technical skills and structural elements needed to produce a working set of house plans. Emphasis is on residential design and residential building codes. Students produce a set of plans of their own design using CADD drafting software (AutoCADD/Architectural Desktop). *No Prerequisite.* Concurrent enrollment available through Snow College, 3 credits

earned for completion of one year. College credit for juniors and seniors. State Skills Certification is available. **Fine art credit will also be given for this class.**

CADD Drafting Technology CE

10-12 grades

Full year course

Course introduces students to parametric and 3-D design and modeling to produce assembly drawings of complex mechanical parts and assemblies. AutoCADD/Inventor introduces student to stress analysis and working drawings for mechanical parts and assemblies. *Prerequisites:* Introductory Drafting/Basic CADD. Concurrent enrollment available through Snow College, 5 credits earned for completion of one year. College credit for juniors and seniors.

Woodworking

9-12 grades

Full year course

Prepares students to apply technical knowledge and skills needed to create custom cabinets, furniture and architectural millwork. Safe use of hand tools, power tools and machinery used in the production of cabinet and millwork is stressed. Dual enrollment available through Snow College. College credit available for juniors and seniors. Students will be accepted at semester change (3rd and 4th quarters).

Carpentry I

9-12 grades

Full year course

Prepare students to apply technical knowledge and skills needed to create a custom house. Safe use of hand tools, power tools and machinery used in home building is stressed. Dual enrollment available through Snow College. College credit available for juniors and seniors. This course will be taught every other year.

Introductory Automotive Services

9-12 grades

Full year course

This class is a two hour block, must take both 6th and 7th hours. All students need to provide vehicle for lab work and service. Prepares students to engage in the service and maintenance of all types of automobiles. Course includes diagnosis of malfunctions and repair of engines, cooling systems, brake systems, electrical/electronics, drive trains, fuel systems, tires and wheels, and suspension and steering. Course time is 50 % classroom and 50% hands on lab time. Dual enrollment available through Snow College. 6 college credits earned for completion of one year. College credit available for juniors and seniors. State Skills Certification is available. The course will be taught every other year.

Agriculture

NOTE: In all agriculture classes student will learn about the FFA, a student leadership association, and SAE, supervised agriculture experience. This doesn't require the student to join the FFA or have a project. These topics are required in the standards and objective for each class taught and are required for your student to meet state and classroom requirements.

Biology Agriculture

9-12 grades

Full year course

This course is designed to meet the requirement for biological science credit. The standards and objective for this course are the same as the standards and objectives for biology, with the only difference being the degree of emphasis on agriculture. Students completing this course will be cognizant of current technologies, methods, and changes in agricultural science and are expected to know and apply the standards outlined in the core curriculum as they relate to the industry of agriculture.

Ag. Systems I**9-12 grades****Full year course**

This course teaches basic skills related to the mechanical activities involved with agricultural production and service. Instruction includes field and laboratory application of the concepts taught. Students will develop skills in the areas of working hot and cold metal, tool reconditioning, plumbing, painting, bills of material, and basic welding. Emphasis will be placed on safety and proper use of tools and equipment. State Skills Certification is available.

Advanced Ag. Mechanics**10-12 grades****Full year course**

Students will learn advanced skills related to the mechanical activities involved with agricultural production and service. Instruction includes field and laboratory application of the concepts taught. Students will develop skills in the areas of working hot and cold metal, painting, bills of material, and advanced welding procedures. Concurrent enrollment available through Snow College, 3 credits earned for completion of one year. College credit for juniors and seniors.

Animal Science I**9-12 grades****Full year course**

Students will be exposed to a wide range of scientific principles such as: genetics, anatomy, physiology/nutrition, disease, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized. State Skills Certification is available. This course will be taught every other year.

Prerequisites: Must have taken or currently taking biology agriculture or biology.

Animal Science II**10-12 grades****Full year course**

Students will be introduced to equine science and production management and poultry science and production management. They will be exposed to the management practices associated with the handling of animal waste, livestock breeding and genetics, and the importance of anatomy and physiology in animal management practices. They will also be introduced to the practices associated with small animal care. State Skills Certification is available. This course will be taught every other year. *Prerequisites:* Must have taken animal science I.

Natural Resource Science I**9-12 grades****Full year course**

Students will participate in activities that include instruction on the importance of production management and conservation of our natural resources, ecology, and fish and wildlife. Field and laboratory experiences will be emphasized.

Equine A**9-12 grades****Semester**

Students will learn equine science and technology principles including: genetics, anatomy, physiology/nutrition, diseases, pests, and management practices. The scientific processes of observation, measurement, hypothesizing, data gathering, interpretation, analysis, and application are stressed. Career opportunities and educational preparation are examined. Learning activities are varied, with classroom, laboratory, and field experiences emphasized. State Skills Certification is available.

Ag. Communication & Leadership**9-12 grades****Full year course**

This program prepares individuals to apply journalistic, communication and broadcasting principles to the development, production, and transmittal of agricultural information. Includes instruction in basic journalism, broadcasting, film/video, and communication techniques; the production of technically specialized information products for agricultural audiences; and the principles of agricultural sciences and business operations needed to develop and communicate agricultural subject matter in effective ways. State Skills Certification is available

Summer Ag. Experience

9-12 grades

Summer only

This program is an intensive, individualized, and experiential education experience that includes the practical application of the formalized instructional competencies. Teacher supervision of the student's summer vocational agriculture (SAE) program should be a major part of the summer program. Regular work with the Utah agriculture science and technology record book is required as well as student leadership development. All summer applied technology agricultural education programs must be in compliance with state standards for summer applied technology agricultural education programs.

Heath Sciences

Exercise Science Sports Medicine 11-12 grades Full year

This full-year course is designed to teach students components of sports medicine including exploration of therapeutic careers, medical terminology, anatomy, physiology, first aid, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities, sport nutrition, sport psychology, and performance enhancement philosophies. State Skills Certification is available.

Medical Anatomy and Physiology

10-12 grades

Full year course

MAP is a class designed to introduce students to the parts and functions of the human body. It is medically oriented and careers are discussed. There is a great deal of memorization with the class and some homework. There is some dissection of organs. Students need to be interested in medicine to enjoy the class. State Skills Certification is available.

Financial Literacy

Personal Finance

11-12 grades

Semester

This course is designed to assist students in establishing career goals that will provide adequate income and personal fulfillment. Students are taught personal financial planning and sound money management skills; along with the consequences of personal and societal financial decisions. This course is designed for juniors or seniors.

Elective

Drivers Education

Must be 15 years old

Quarter

Students will take this class either first quarter or third quarter when they are 15 years old. Students must have a driving permit from the driver license division for 6 months before they will be allowed to get their driver's license. Permits can be issued when students are 15 years old. Students must have an original birth certificate, social security card, and their legal guardian with them to obtain a permit/license.

Critical Workplace Skills and Related WBL 12th grade Semester

This course emphasizes skills needed to successfully prepare young people for the work environment and demonstrates relevance of academic classes to future career and educational goals. With a foundation based on the SCANS Skills, the course covers: the job application process, legal and safety issues, ethics, goal setting, teamwork, conflict resolution, attitude, etc. Critical Workplace Skills is the classroom instruction component to a student's related work-based learning experience (i.e. student internship). Available to senior's 5th, 6th and/or 7th periods, second semester. Students can work, internship, or job shadow Monday through Thursday 5th, 6th and/or 7th hours, and then attend a class every Friday at the high school. Prerequisite: Career Education

Yearbook 11-12 grades Year long course

This course is designed to create the high school yearbook. Students will learn how to create and publish pages using Publisher. Students will also print, and bind the yearbook in this class. Students in this class will be responsible for all aspects of the yearbook creation process.

Ed-net classes

To enroll in an ed-net class you must be a junior or senior, have a 3.0 cumulative GPA, and complete all required paperwork.

SNOW

Sociology 1010—Intro to Sociology MWF

Studies and compares social groups and institutions and their inter-relationships. This is a 3 college credit class which will also count for .50 high school elective social studies credit.

Psychology 1010—General Psychology MWF

Introductory course in modern scientific psychology. Covers major domains of scientific psychology including biological foundations, sensations, perception, learning, motivation, human development and abnormal psychology. This is a 3 college credit class that also counts for .50 high school elective social studies credit.

Political Science 1100—American National Government MWF

Studies history and structure of American National Government, rights and responsibilities of citizens, political institutions, political processes, and governmental policies. This is a 3 college credit class that will also count for .50 high school American Government credit.

PHSC 1000--Survey of Physical Science MWF

Surveys the exciting world of science and explains the basic scientific laws and models by which the physical universe may be understood. Stresses historical aspects and the impact of physical science on modern society. Draws topics from the fields of physics, chemistry, geology, meteorology and astronomy. Uses lectures, dramatizations, audiovisual presentations, and demonstrations. This is a 3 college credit class that will count for .50 high school science credit.

ART 1010--Introduction to Visual Arts**MWF or TH**

Develops an appreciation of art. Studies elements and principles of art. Includes identification of major art forms, surveys art history, art criticism, and media. Satisfies a fine arts requirement. This is a 3 college credit class that will count for .50 high school art credit.

English 1010—Introduction to Writing**MWF**

Students learn skills and strategies for becoming successful academic readers, writers, and speakers: how to read and write critically, generate and develop ideas, work through multiple drafts, collaborate with peers, present ideas orally, and use computers as writing tools. This is a 3 college credit class that will count for .50 high school elective credit.

English 2230—Classic Myths and Folktales**11-12 grades****Semester**

This course explores myths and folktales of the world, with an emphasis on Greco-Roman myths and tales. The course focuses on application of myths to art, literature, and Western culture in general. Snow College 3 credits. Will count for .5 high school English Credit.

Criminal Justice 1010—Intro to Criminal Justice**MWF**

Students will be introduced to the history, processes and functions of the American criminal justice system and its primary components, namely law enforcement, courts, and corrections. This is a 3 college credit class that will count for .50 high school elective credit.

Nursing 1008—Medical Terminology**TR**

This course provides the students with the building blocks of basic medical language. This is a 2 college credit class that will count for .50 high school elective credit.

HFST 1500—Human Development**Semester**

In this course, students learn about the fundamental principles of growth and development from conception, through childhood, to old age. The course includes the study of the biological process of development, as well as the emotional, social and cognitive development of the individual within a culture and historical context. Snow College 3 credits. Will count for the high school Responsible Adult requirement.

SUU—Online courses**HIST 1700—American Civilizations section 15c****CRN 32065****FIN 2870—Introduction to Personal Financial Planning****CRN 32027**

Introduction to concepts of financial planning for individuals. This is a 3 college credit class that will count for .50 high school personal finance credit.

MUSC 1010 – Introduction to Music**CRN 32026**

