



Southwest Valley CSD
9th - 12th Grade
Course Selection Handbook
2025-2026

AGRICULTURE

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Principles of Ag Science & Technology	x	x	x	x		x	2	No
Ag Natural Resources		x	x	x	x		1	No
Ag Welding		x	x	x	x		1	No
Basic Animal Science and Technology		x	x	x	x		1	No
Ag Mechanics (Small Engines)		x	x	x	x		1	No
Ag Entrepreneurship & Job Seeking Skills			x	x	x		1	No
Ag Woodworking		x	x	x	x		1	No
Ag Business & Management			x	x	x		1	No
Basic Soil & Plant Management		x	x	x	x		1	No
Farm & Home Maintenance		x	x	x	x		1	No
Horticulture Science & Technology		x	x	x		x	2	No
Leadership in Agriculture		x	x	x	x		1	No
Principles of Ag Business & Sales			x	x	x		1	No
Vet Tech		x	x	x	x		1	No
Ag Carpentry		x	x	x	x		1	Yes
Advanced Horticulture		x	x	x	x		1	Yes
Ag Construction		x	x	x	x		1	Yes
Advanced Animal Science		x	x	x	x		1	Yes
Ag Power & Technology		x	x	x	x		1	No
Workplace Experience in Ag				x	x		1	No

Course Title - Principles of Agriculture Science & Technology

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This is an introductory course that presents the students with the foundations of agricultural science. Students will develop skills and knowledge in plant science, soil science, animal science, natural resource management, and agricultural mechanics that relate to these life sciences. Students will also learn leadership skills through an introduction to the FFA and Supervised Agricultural Experience program.

Course Title - Agricultural Natural Resources

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course is designed to introduce students to our natural resources and their impact on the agricultural industry. Topics in this course include: soils, soil and water conservation, water sources and water quality, wildlife management, wildlife habitats, forestry, and environmental issues. Students will learn how we impact our natural resources and the value each of those have in our environment.

Course Title - Ag Welding

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course covers various aspects of welding and metal identification. Students gain knowledge and hands-on skills in arc, wire, and oxyacetylene welding techniques along with application in repair and maintenance of welding equipment. After about six weeks in the classroom learning the knowledge portion of welding students transition to the shop to complete required welds developing their welding skills. Students need plans for approved shop projects.

Course Title - Basic Animal Science and Technology

Length - 1 Semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course enhances a student's knowledge and skills in livestock identification and selection, ration analysis and formulations, livestock production systems, livestock systems technology, and marketing options. Students will learn about the impacts of current legislation and consumer views on the livestock industry and retail product development.

Course Title - Agricultural Mechanics (Small Engines)

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course helps students develop knowledge and skills for various agricultural mechanics areas. Students have practical and technical instruction in preventative maintenance, small engine repair, and basic mechanical techniques. The focus of the ag mechanics course will depend on our students' needs, interests, and availability of projects for the year. Students need an engine or mechanics project to work on during the shop portion of the course.

Course Title - Ag Entrepreneurship and Job Seeking Skills

Length - 1 semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - None

Description - Students will investigate entrepreneurship as a means of starting and running businesses. These students will gain skills in record keeping, presenting to groups outside the class, and proper methods of communication with business leaders. Other opportunities include learning skills to attain a job, maintain a job, and transfer jobs/careers properly by correctly marketing their valuable skills. This class works well for students who are self-starters, who utilize problem-solving skills, and value volunteerism.

Course Title - Ag Woodworking

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course covers basic hand tool and machine operations in the wood shop. Show and machine safety are prioritized and operation of stationary and portable tools will be implemented. The semester consists of required projects aimed at principles of construction, joints, assembly, gluing, clamping, and finishing.

Course Title - Ag Business and Management

Length - 1 semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - None

Description - This advanced level course is designed to emphasize both farm and agribusiness management. Learning opportunities will concentrate on the areas of financial and budget analysis, credit, money management, taxes, farm law, sales, and ag business organization and management. Students will utilize basic computer programs to enhance their financial management skills.

Course Title - Basic Soil & Plant Management

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course starts with information on the classification of soils and develops knowledge and skills in soil structure and texture as it applies to agriculture today. Students will learn how water quality and soil conservation are impacted by good soil management practices. Students will develop knowledge on crop and forage production and the impact of government regulations on our production systems.

Course Title - Farm and Home Maintenance

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course will concentrate on an introduction to basic skills needed for anyone planning to own a farm or home in the future. Units include safety, hand/power tools, blueprint reading, electrical wiring, concrete, plumbing, structural design, and basic drafting. Students will complete basic wiring labs on wiring boards, PVC and copper pipe structures, concrete blocks, and a variety of household layout plans.

Course Title - Horticulture Science & Technology

Length - 2 semesters

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course is designed to develop and enhance a student's knowledge and skills in a variety of horticulture topics. Instruction will be provided in landscaping, gardening, greenhouse management, turf grass management, and floral design. Students will apply knowledge and skills in a hands-on setting in a variety of horticultural situations for class.

Course Title - Leadership in Agriculture

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - Agricultural leadership provides an appreciation of all aspects of agriculture with an understanding of leadership theory and its application. Commitment to agriculture, authentic leadership, diversity, critical thinking, and professionalism are the five core values behind this course.

Course Title - Principles of Agriculture Business and Sales

Length - 1 semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - None

Description - This course provides students with a basic knowledge of different agriculture business designs and explains how those businesses operate. Emphasis is placed on merchandising and agriculture sales methods. Students complete and analyze basic tax forms.

Paper forms and computer programs are utilized to record and analyze business data. Some FFA career development events are utilized to reinforce skills and support classroom activities.

Course Title - Vet Tech

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course is designed to allow students the opportunity to learn about veterinary medicine and the general care of companion and food animals. Students have instruction on general veterinarian and vet technician skills and daily tasks. Students apply this basic knowledge to reading medicine labels, diagnosing animal health concerns, and improving animal welfare. Some hands-on dissection and field trips are utilized to enhance learning experiences.

Course Title - Ag Carpentry

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Ag Construction

Description - Students will become familiar with all aspects of carpentry from the foundation to the roof including: framing, siding, roofing, and interior design. Students will use previous learned knowledge to design and build a choice project along with community projects.

Course Title - Advanced Horticulture/Greenhouse Technology

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - 1 semester of Horticulture Science & Technology

Description - This course will build off of the knowledge and skills learned and developed in the Basic Horticulture class. Students will implement landscaping skills into projects and manage the majority of the greenhouse processes for the spring plant sale. Students will also practice their design skills for some of our outdoor projects. (Only offered in the spring).

Course Title - Ag Construction

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Ag Woodworking

Description - This course prepares students to construct and maintain agricultural structures and equipment. Students will develop basic skills such as tool identification, interpreting plans, calculating a bill of materials, and construction. Students will build a required project along with a choice project.

Course Title - Advanced Animal Science

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Basic Animal Science or Vet Tech with C or better grade in those classes

Description - This course builds on the knowledge and skills learned in Basic Animal Science or Vet Tech and increases the depth of understanding in a variety of Animal Science topics.

Typical topics include genetics, nutrition, building structures, livestock diseases, breeding systems, marketing technologies, and current improved production technologies.

Course Title - Ag Power & Technology

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - This course exposes students to mechanics, power, technology, and career options in the world of agriculture. Students participating in the APT course will have experiences in various mechanical and engineering concepts with exciting hands-on activities, projects, and problems. Student's experiences will involve the study of energy, tool operation and safety, material properties, machine operation, and structural components. Students will acquire the basic skills to operate, repair, engineer, and design agricultural tools and equipment.

Course Title - Workplace Experience Program in Agriculture

Length - 1 semester

Grade Offered - 12

Required/Elective - Application Process

Prerequisite - None

Description - This course provides students the opportunity to gain on-the-job skills in an agriculture related business. This knowledge prepares students for college courses or prepares students with skills to enter directly into the workforce. This course includes an application process and selection method to match students with potential businesses. Typically students are on the job site the entire morning or afternoon every day if scheduling permits.

BUSINESS

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Introduction to Business	x	x	x	x		x	2	No
Accounting I		x	x	x		x	2	No
Accounting II			x	x		x	2	Yes
Introduction to Computer Science	x	x	x	x	x		1	No
Multimedia	x	x	x	x	x		1	No
Career Readiness			x	x	x		1	No

Intro to Computers - SWICC		x	x	x	x		1	No
Business Computer Applications - SWICC			x	x	x		1	Yes
School To Work			x	x	x		1	No
Workplace Experience in Business				x	x		1	No

Course Title - Introduction to Business (can enter or exit either semester)

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This class includes instruction in general business concepts and skills that students need in a competitive environment. The information covered is beneficial to everyone; students planning to attend college and take business classes, students attending college but not taking college business classes, as well as for students not planning to attend a post-secondary institution. Major business concepts such as Global Economic Environment, Business Organization and Management, Business Operations and Technology, and Personal Financial Management are covered. Further detail will be given to Entrepreneurship where students will come up with their own business by creating a Business Plan. In general, students will gain valuable information and skills for the workplace as well as everyday life.

Course Title - Accounting I

Length - 2 semesters

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - The emphasis of this course is on the basic principles, concepts, and procedures of Accounting that every student must understand if they expect to have a maximum opportunity when they enter the world of business. The students will learn the basic accounting cycles for businesses ran as a Sole Proprietorship and as a Partnership. Evaluation includes daily work, study guides, tests and two reinforcement activities.

Course Title - Accounting II

Length - 2 semesters (can also be offered as a semester class)

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Accounting I

Description - This class will focus on enhancing the students' knowledge of the basic accounting concepts. Students will review the Sole Proprietorship and Partnership accounting cycles and will then focus on how to keep accounting records for a corporation. This class will be treated as an independent study and will be taken at the same time as Accounting I students. The student must be reliable, responsible and be able to complete tasks independently. Approval from the business teacher must be obtained before a student can enroll in this class.

Course Title - Introduction to Computer Science

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This course is designed to empower students to create authentic artifacts and engage with computer science as a medium for creativity, communication, problem solving and fun. Students will be utilizing online platforms such as Code.org and CodeHS to explore problem solving, app exploration, web development, animations and games, and AI. In addition, students will also explore the school's local area network and become familiar with networking terms.

Course Title - Multimedia

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This course will cover the following media designs in the Adobe Suite Software: InDesign, Photoshop, and Illustrator if time permits. This course is designed to further students' knowledge in many different aspects of computer media designs and digital projects, including things like brochures, business cards, postcards, and newsletters as well as photo editing. This class would benefit students entertaining a career in Graphic Design or the Arts and is also a good skill to learn in general for any form of occupation.

Course Title - Career Readiness

Length - 1 semester

Grade Offered - 11-12

Required/Elective - Required

Prerequisite - None

Description - As a junior/senior, thoughts start to turn to life after high school whether that includes the workforce, trades, military, or college. To help with that transition, students will gain and be taught some essential career skills and some "tricks of the trade". By the end of the semester, students will have hard copies of their resume, cover letter, and a scholarship letter. Students will also learn the importance of how their personality, values, and goals can tie to a career in which they will research. Students will then participate in a mock interview at the end of the semester. Other topics include financial literacy topics such as budgeting, investing, banking, credit cards, credit history, and loans.

Course Title - Introduction to Computers (SWCC credit class CSC 110)

Length - 1st semester only

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - An introductory course that surveys a variety of topics to include history, hardware, software, terminology, communications, computer ethics and societal impact of computers. In addition to computer literacy, students will spend most of the semester completing

Principles of Human Services	x	x	x	x		x	2	No
Human Growth & Development I	x	x	x	x		x	2	No
Human Growth & Development II	x	x	x	x		x	2	Yes
Textile Science	x	x	x	x		x	2	No
Nutrition & Wellness I	x	x	x	x	x		1	No
Nutrition & Wellness II	x	x	x	x	x		1	Yes
Culinary Essentials		x	x	x		x	2	Yes
Baking		x	x	x		x	2	Yes
Health I	x	x			x		1	No
Health II	x	x			x		1	Yes
Consumer & Personal Finance		x	x	x		x	1	No
Workplace Experience in FCS				x	x		1	No

Course Time - Principles of Human Services

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Electives

Prerequisite - None

Description - This is an entry level comprehensive course that covers all areas of Human Services/Family Consumer Sciences. The following areas will be covered in this course are independent living, family living, Foods, child development, clothing, interior design and career exploration.

Course Time - Human Growth Development 1 & 2

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - Level I = No; Level 2 = Human Growth & Development I

Description - This course provides students with an understanding of the aspects of human growth & development across the lifespan. This course will deal with physical, emotional, social and intellectual development across the lifespan of an individual. They will explore from conception to adulthood by exploring safety, abuse, moral decision making and prevention of accidents and illnesses. It is strongly recommended as a prerequisite to College Psychology 111.

Course Time - Textile Sciences

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This course introduces students to and expands upon the various aspects of apparel, garment construction, the textile industry, design principles, production process and maintenance techniques. This course will usually address the selection, characteristics, care, repair of various textiles, operation & care of commercial sewing machines; design, construction and production of fabrics and/or garments. This course will also learn about career opportunities in the garment or textile industry.

Course Time - Nutrition and Wellness 1

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - An instructional program that prepares individuals to understand the basic principles of nutrition, health, daily food choices, meal management, preparation of foods. This course also includes career exploration in the food industry.

Course Time - Nutrition & Wellness 2

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - D- or Higher in Nutrition Wellness 1

Description - This is the 2nd course in Nutrition & Wellness 1. This semester will be more in depth study of different categories of foods such as dairy, eggs, meat, grain products, fruits, & vegetables.

Course Time - Culinary Essentials

Length - 2 semesters

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - C or higher in Nutrition & Wellness 1 & 2

Description - This course will study knife skills, meal planning, menu planning, preparation & services of foods, meal management and learning about foods from around the world. This class might have the opportunity to market food products, sell food products and cater food. Students will also learn about the front and back of the house of restaurants as well career exploration in the food and nutrition industry.

Course Time - Baking

Length - 2 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Nutrition & Wellness, Culinary Essentials or PHS Course

Description - Students will learn culinary techniques to prepare quick breads, yeast breads, cookies, cakes, pastries, candies and other specialty foods. An emphasis will be placed on the scientific principles that yield the best baked products. Students will evaluate chemical reactions as they occur in baking methods and understand how flavor, texture and appearance are affected during food preparation.

Course Time - Health I

Length - 1 semester

Grade Offered - 9-10

Required/Elective - Goes towards Health Requirement

Prerequisite - None

Description - This course covers the development of health and wellness concepts, personal care of body systems, fitness, personal relationship skills such as communication, marriages, family responsibility, family stress and crises, reproduction, birth and parenting, control of disease and disorders, wellness concept, personality, mental health, stress, nutrition, drugs, alcohol, tobacco, health environment, public health, and health care, first aid and personal safety.

Course Time - Health II

Length - 1 semester

Grade Offered - 9-10

Required/Elective - Goes towards Health Requirement

Prerequisite - None

Description - This is an extension of the topics from Health I. It will focus on personal decision making in fitness, nutrition, weight control, as well as aging and health. Improving and maintaining quality of life through health and healthy decisions is the ongoing theme throughout this course. This class also entails CPR certification that is required for graduation.

Course Time - Consumer & Personal Finance

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Goes towards Financial Literacy Requirement

Prerequisite - None

Description - This course will prepare students personal and family decision making skills, spending and saving practices across the lifespan and learn about management, protection, credit, and debit. Career exploration is part of this class.

Course Time - Workplace Experience

Length - 2 semesters

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - None

Description - This course allows students the opportunity to gain on-the-job skills in a Human Services Business to either gain knowledge valuable for college courses or preparation for students to directly enter the workforce. This course will involve an application process and selection to match students with potential businesses.

FINE ARTS

Offered to Students In:	Class Length is:
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Course Title	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long	Total Credit	Pre-Requisite?
Band	x	x	x	x		x	2	No
Concert Choir	x	x	x	x		x	2	No
Applied Art	x	x	x	x	x		1	No
Drawing	x	x	x	x	x		1	No
Painting	x	x	x	x	x		1	Yes
Ceramics I	x	x	x	x	x		1	No
Ceramics II	x	x	x	x	x		1	Yes
Media / Yearbook			x	x		x	2	No
Printmaking	x	x	x	x	x		1	No

Course Title - Band

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - Band is a performance based class that includes Concert Band, Marching Band, and Pep Band. There are also many opportunities to participate in honor bands as well as solo and ensemble contests. Instrumentation typically includes woodwinds, brass, and percussion.

Course Title - Concert Choir

Length - 2 semesters

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - N/A

Description - Choir is a performance based class open to all students 9-12 at Southwest Valley High School. There are multiple performances each school year along with additional opportunities available by audition or director nomination. The choir sings a wide range of music from formal choral literature to pop hits. Past performances include the Winter Concert, Large Group Contest, and Spring Concert. Additional events include the POI Honor Choir, All About That Bass, Get in Treble, Solo/Ensemble Contest, All-State Auditions, and more.

Course Title - Applied Art

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This semester course uses a variety of media to study the elements and principles of art and design. This may include traditional 2D and/or 3D media, along with community and school projects requested by various groups.

Course Title - Drawing

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This semester course will work on the fundamentals of drawing using a variety of mediums such as: pencil, colored pencil, pastels and/or ink. Several drawing techniques like: contour, perspective, gridding, blending and shading will be studied on many different subjects.

Course Title - Painting

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - Drawing

Description - This semester course will concentrate on the theory of color using a variety of medium such as: watercolor, oil/soft pastels, ink, acrylic and/or a potential for digital painting exploration. Students who enroll should have successfully completed a drawing class.

Course Title - Ceramics I

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - This semester course will focus on a variety of 3D, primarily ceramics. Ceramics will focus on hand building (pinching, coiling and slab construction) projects with an introduction to wheel throwing. Possible sculpture will focus on additive and subtractive technique using wire, plaster, paper mache, and or found objects.

Course Title - Ceramics II

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - Ceramics I

Description - This course is a continuation of Ceramics I.

Course Title - Media / Yearbook

Length - Year

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - None

Description - Media's main activity is the creation of the yearbook. This course is primarily for advanced English and/or advanced art students. Because of the high-pressure nature of the class, a limited number of students will be involved each semester (8-12 students). This course

involves professional interaction with the community to persuade businesses to sponsor the yearbook's production. Outside of class time is required in this course – each student is expected to go to multiple events to take photographs to use within the yearbook.

Course Title - Printmaking

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Elective

Prerequisite - None

Description - A studio course designed to produce works of art throughout the use of various printmaking techniques, including foam/block/lino reliefs, monotypes, etc.

LANGUAGE ARTS

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
English 9	x					x	2	No
English 10		x				x	2	Yes
English 11			x			x	2	Yes
Applied Communications				x		x	2	Yes
Composition I - SWICC				x	x		1	Yes
Composition II - SWICC				x	x		1	Yes
Introduction to Literature - SWICC				x	x		1	Yes

Course Title - English 9

Length - 2 semesters

Grade Offered - 9

Required/Elective - Goes towards English requirement

Prerequisite - None

Description - This is the first English class. It will include reading texts of various lengths and genres, writing papers, giving presentations, and grammar practice.

Course Title - English 10

Length - 2 semesters

Grade Offered - 10

Required/Elective - Goes towards English requirement

Prerequisite - None

Description - This is the second English class. You will continue to read texts of various lengths and genres, write papers, give presentations, and practice grammar.

Course Title - English 11

Length - 2 semesters

Grade Offered - 11

Required/Elective - Goes towards English requirement

Prerequisite - None

Description - This is the third English class. Students will focus mainly on American Literature with an emphasis on links to historical and pivotal documents from the 18th, 19th, and 20th centuries. Coursework will include reading texts of various lengths and genres. Students will practice mechanics, usage, grammar, write papers, give presentations and analyze various pieces of literature.

Course Title - Applied Communications

Length - 2 semesters

Grade Offered - 12

Required/Elective - Goes towards English requirement

Prerequisite - None

Description - This is the fourth English class. Students will focus mainly on British and World literature with an emphasis in analysis, craft and structure. Coursework will include reading texts of various lengths and genres. Students will practice mechanics, usage, grammar, write papers, fashion poetry, give presentations, write an extensive personal narrative and analyze various pieces of literature.

Course Title - English Composition I, SWCC Class ENG105

Length - 1 Semester

Grade Offered - 12

Required/Elective - Elective

Prerequisite - Qualifying Accuplacer score or ACT (19), 3 past years of English grades C or above

Description - This course offers the students an opportunity to improve written composition and develop skills acceptable on a college freshman level. The various models of composition that are often the focus of the college freshman class will be used extensively in the class. Attendance policy.

Course Title - English Composition II, SWCC Class ENG106

Length - 1 Semester

Grade Offered - 12

Required/Elective - Elective

Prerequisite - Qualifying Accuplacer score or ACT (19), Composition I

Description - This course offers the students an opportunity to improve written composition skills through persuasive writing. Term papers are required. Attendance policy.

Course Title - Introduction to Literature, SWCC Class LIT 101

Length - 1 Semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Qualifying Accuplacer score or ACT (19)

Description - Students will learn to read critically and perform rhetorical and stylistic analysis. The goal of this course is to create strong readers and writers who will have the skills to read and write effectively in their college courses. Students will be asked to read extensively and write several analytical essays.

MATH

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Pre-Algebra	x	x				x	2	No
Algebra I	x	x				x	2	No
Algebra IA	x	x				x	2	No
Algebra IB		x	x			x	2	No
Geometry		x	x			x	2	Yes
Principles of Geometry		x	x			x	2	Yes
Algebra II		x	x	x		x	2	Yes
Consumer Math			x	x		x	2	Yes
Core Math			x	x		x	2	Yes
Trigonometry & Analytic Geometry			x	x	x		1	Yes
Pre-Calculus			x	x	x		1	Yes

Course Time - Pre-Algebra

Length - 2 semesters

Grade Offered - 9-10

Required/Elective - Elective (not for math credit)

Prerequisite - N/A

Description - Pre-Algebra is an intervention course to help students in their math pathway. The curriculum used helps break down math skills that students might have gaps in. This class is to support students' in their core math course and transition into high school.

Course Time - Algebra I

Length - 2 semesters

Grade Offered - 9-10

Required/Elective - Meets Algebra I requirement

Prerequisite - None

Description - This is a one-year Algebra course. In this course, students will study equations, inequalities, and linear and quadratic functions. They will also explore exponents and radicals as well as data analysis. Problem-solving skills will be incorporated into each unit as students learn to apply what they are learning to real-world situations.

Course Time - Algebra IA

Length - 2 semesters

Grade Offered - 9-10

Required/Elective - Part 1 of Algebra I requirement

Prerequisite - None

Description - This is the first year of a 2 year Algebra course. It will include foundations of core algebra, solving equations and inequalities, and working with functions. Skills will include graphing and variable representations of real-world applications. Problem-solving activities and applications encourage students to model patterns and relationships with variables and functions.

Course Time -Algebra IB

Length - 2 semesters

Grade Offered - 10-11

Required/Elective - Part 2 of Algebra I requirement

Prerequisite - Algebra IA

Description - This is the second year of a 2-year Algebra course. It will include studying exponents and their functions, polynomials, factoring, and quadratic equations/functions. They will also explore radical and rational equations and data analysis. Problem-solving activities and applications encourage students to model patterns and relationships with variables and functions.

Course Time - Geometry

Length - 2 semesters

Grade Offered - 10-12

Required/Elective - Meets Geometry Requirement

Prerequisite - Algebra I

Description - This is a one-year geometry course. In this course, students will study the tools of geometry and develop their reasoning and proof-writing skills. They will also explore triangles, quadrilaterals, and surface area and volume. Problem-solving skills will be incorporated into each unit as students learn to apply what they are learning to real-world situations.

Course Time - Principles of Geometry

Length - 2 semesters

Grade Offered - 10-12

Required/Elective - Meets Geometry Requirement

Prerequisite - Algebra IA/IB or Algebra I with teacher recommendation

Description - This course will cover the key principles of Geometry. In this course, students will study the tools of geometry and develop their reasoning and proof-writing skills. They will also explore triangles, quadrilaterals, and surface area and volume. Lessons will move at a slower pace to allow for a deeper understanding and a better mastery of the material. Problem-solving skills will be incorporated into each unit as students learn to apply what they are learning to real-world situations.

Course Time - Algebra II

Length - 2 semesters

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Algebra I & Geometry (C- or above)

Description - This is an extension of topics in Algebra I and extends into more advanced topics and their applications. Topics include linear, quadratic, polynomial, rational, and exponential functions. There will also be an exploration of matrices, probabilities and statistics.

Course Time - Consumer Math

Length - 2 semesters

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Algebra I & Geometry

Description - This course reinforces basic math topics and applies these skills to business, financial, and everyday situations. Applications include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment.

Course Time - Core Math

Length - 2 semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Algebra I and Geometry (C- or above)

Description - This class will cover required Iowa Core High School Math Standards including topics in algebra, geometry, statistics, and consumer math. This class is built to be an independent course to strengthen individual math skills to prepare students for college.

Course Time - Trigonometry & Analytic Geometry

Length - 1 semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Geometry, Algebra II (C- or above)

Description - (1st Semester) Topics in trigonometry include but are not limited to the measurement of angles, arcs, sectors, the six trigonometric functions and their graphs, trigonometric identities and equations, law of sines and cosines, vectors, complex numbers, and polar coordinates.

Course Time - Pre-Calculus

Length - 1 semester

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Geometry, Algebra II (C- or above)

Description - (2nd Semester) This course combines the study of Trigonometry, elementary functions, Analytic Geometry, Math Analysis and Algebra II topics to prepare students for

Calculus. Topics include the study of complex numbers; polynomials, logarithmic, exponential and rational functions, conic sections, matrix algebra and more.

PHYSICAL EDUCATION

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Weight Training & Conditioning	x	x	x	x	x		1	No
PE	x	x	x	x	x		1	No

Course Time - Weight Training and Conditioning

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Goes towards Physical Education Requirement

Prerequisite - None

Description - The class will cover and explore a combination of weight lifting and conditioning activities and concepts. Activities will include weight lifting, speed and agility, cardiovascular endurance, flexibility, and physical testing.

Course Time - Physical Education

Length - 1 semester

Grade Offered - 9-12

Required/Elective - Goes towards Physical Education Requirement

Prerequisite - None

Description - The class will cover and explore a combination of weight lifting, cardiovascular and endurance training, lifetime activities, competitive activities, team sports, individual sports/activities, leisure and outdoor activities, and physical testing.

SCIENCE

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Physical / Earth Science	x					x	2	No
Biology		x				x	2	No
Zoology		x	x	x	x		1	Yes
Marine Science		x	x	x	x		1	No

Chemistry			x	x		x	2	Yes
Advanced Chemistry			x	x		x	2	Yes
Pre-Anatomy			x	x	x		1	Yes
Anatomy			x	x	x		1	Yes
Physics				x		x	2	Yes

Course Title - Physical / Earth Science

Length - 2 semesters

Grade Offered - 9

Required/Elective - Required

Prerequisite - None

Description - Introductory science course for 9th graders. Covers many areas of the non-life sciences. It is designed to give students a firm foundation in understanding the world we live in. This course is a prerequisite for Chemistry, which is recommended for anyone entering a healthcare career. Many experiments and demonstrations are performed during the year.

Course Title - Biology

Length - 2 semesters

Grade Offered - 10

Required/Elective - Required

Prerequisite - None

Description - Biology is the study of life. Topics discussed include the cell and its structures and functions, genetics and inheritance, evolution, plants, and ecosystems.

Course Title - Zoology

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Biology or concurrent enrollment

Description - The science of animals. Course starts with a study of ecology and the interaction of animals with their environments. Later topics include evolution within the animal kingdom, classification of animals, and animal life cycles.

Course Title - Marine Science

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - None

Description - A study of the ocean, integrating topics from many different scientific disciplines. Topics include tides and currents, coral reefs, ocean effects on global weather patterns, food chains in the ocean, and pollution among many others.

Course Title - Chemistry

Length - 2 semesters

Grade Offered - 11-12

Required/Elective - Elective

Prerequisite - Physical Science, Geometry and Algebra II or take concurrent

Description - Chemistry is the science of materials and a study of matter and the interactions of matter. Topics learned include the structure of atoms, chemical bonding, chemical reactions, energy changes, and acids and bases. Chemistry is required by most colleges for anyone entering a healthcare or science field of study.

Course Title - Advanced Chemistry

Length - 2 semesters

Grade Offered - 12

Required/Elective - Elective

Prerequisite - Chemistry, Geometry, Algebra II

Description - A continuation of the general Chemistry course, with more in depth and complex topics such as Thermodynamics, Electrochemistry, and Organic/Biochemistry. Students successfully completing this course will be better prepared for college level chemistry courses related to healthcare and science program curriculums.

Course Title - Pre-Anatomy

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Biology or concurrent enrollment

Description - Introduction to the human body. This one semester course introduces body systems and discusses both structural and functional characteristics of the human body. Students learn how the body maintains homeostasis through growth, repair, and everyday functions.

Course Title - Anatomy

Length - 1 semester

Grade Offered - 10-12

Required/Elective - Elective

Prerequisite - Pre-Anatomy

Description - Continuation of Pre-Anatomy with more in depth exploration of specific body systems. Students will learn more about the interactions between body systems and our environment including the role of disease and medicine, effects of aging, and reproduction.

Course Title - Physics

Length - 2 semesters

Grade Offered - 12

Required/Elective - Elective

Prerequisite - Algebra I, Physical Science, Chemistry with grade of C- or above

Description - Physics is a general introduction to all parts of: motion, dynamics, energy, light, and waves. The class uses a variety of materials, media and experiments to aid learning of physics.

SOCIAL STUDIES

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
World Geography	x				x		1	No
Foundations of Government	x				x		1	No
World History		x			x		1	No
American History			x			x	2	No
Sociology		x	x	x	x		1	No
Contemporary Issues	x	x	x	x	x		1	No
Psychology	x	x	x	x	x		1	No
Microeconomics	x	x	x	x	x		1	No
Economics	x	x	x	x	x		1	No

Course Title: World Geography

Length: 1 semester

Grade offered: 9

Required/Elective: It is a required social studies credit

Prerequisite: None

Description: The class begins with various themes of geography and then proceeds on with readings on cultural, population, political, and economic geography. After this is completed, the class will explore the United States (via project) and the rest of North America (Canada and Mexico) as well as South America, Europe, Asia, Africa, Australia, New Zealand, and Antarctica. The uniqueness of Latin America will then be explored. The semester concludes with some final projects (students will pick a country of their choice) on the Americas (other than the U.S.), Europe, Asia, and Africa/Australia/New Zealand (most students will have to pick African nations).

Course Title: Foundations of Government

Length: 1 semester

Grade Offered: 9

Required/Elective: It is a required social studies credit

Prerequisite: None

Description: The class starts off by examining the Iowa Core Standard related to the origins of U.S. government---a dramatization on why America wanted to break away from England opens the semester. Following this are explorations of the Declaration of Independence, Articles of Confederation, the U.S. Constitution

(which includes a special look at the Bill of Rights), and other types of governments. Next, the focus shifts to political parties, types of elections, and influences on the election process. Following this will be the basics of the national branches of government (Executive, Legislative and Judicial). The Judicial branch will then be expanded with a look at major cases, civil rights, and civil liberties. The class concludes with state government, civics, the government's role in economics, and some final projects.

Course Title: World History

Length: 1 semester

Grade Offered: 10

Required/Elective: It is a required social studies credit

Prerequisite: None

Description: The class begins with the classic cultures---Ancient Rome and Ancient Greece. These two units are followed up by Western Europe and the Middle Ages. Some reading units then take place on the Muslim World (Islam) and the Atlantic World. A unit called England vs. America is next (which looks at the world and England's perspective of the American Revolution---not just America's side---with a lot of interesting primary sources). The remaining units are as follows: The French Revolution, World War I, World War II, the Nuremberg Trials (this is a movie unit with notes and discussion), the Cold War, the Korean War, the Vietnam War, and the late 1970s to present time.

Course Title: American History

Length: 2 semesters

Grade Offered: 11 (unless scheduling requires otherwise)

Required/Elective: These two credits are required for high school graduation

Prerequisite: None

Description: American History studies the growth of our nation from the Civil War/Reconstruction era to the modern times we live in. Through the use of primary and secondary sources, students will explore how our nation has emerged as a world power. They will also make historical connections to their own lives and learn of the sacrifices made by others in our past to help preserve and strengthen our freedoms we enjoy today. The choices of those in the past and advancements in technology strongly impact how we live our lives today.

Course Title: Sociology

Length: 1 semester

Grade Offered: 10-12

Required/Elective: This is an elective for social studies

Prerequisite: None

Description: The class starts out with some basics that fulfill the Iowa Core Sociology standards. These include lessons on terms and concepts, macro/micro sociology, the sociological method, social structure, social class, social institutions (including the interpretation of the institutions using conflict theory or the functionalist approach), sociological perspectives, and social movements. Next are

the exploration of social issues using newspaper articles. The students will do article summaries on various social topics, but discussion is mixed in as well. The next unit is on social problems followed by a unit on Euthanasia (which includes a movie and a short reflection paper). After this, comes a project on sociological factors of voting followed by lecture/discussion/text readings on prejudice, discrimination, sex, age, gender, and the elderly. The class ends with a small project on the great minds of sociology, lessons on creativity and perception, and a final project on the media and the elderly.

Course Title: Contemporary Issues

Length: 1 semester

Grade Offered: 9-12

Required/Elective: It is an elective credit

Prerequisite: None

Description: This class will focus on current event situations and how the precedents set by past situations affect the outcome of events today. Students will utilize a wide variety of sources to study modern media and various perspectives of issues of the day. Through their studies, students will be informed on the latest current events as well as provide analysis about topics in their world.

Course Title: Psychology

Length: 1 semester

Grade Offered: 9-12

Required/Elective: It is an elective credit

Prerequisite: None

Description: This is an introductory class for students to the world of psychology. It will include various perspectives, methods of research and social theories in psychology. The biological basis of psychology will be examined and while not to the degree of sociology, how outside factors impact the individual will be reviewed, too. Sociology looks more on the group while psychology looks more at the individual. The two classes complement each other, but you do not need to take one before the other. Those who have previously taken the Southwestern A Community College course on this subject should probably not take this course. Those who have not had a class in this subject and are looking for an interesting The topic of study should seriously consider this introductory class.

Course Title: Microeconomics

Length: 1 semester

Grade Offered: 9-12

Required/Elective: It is an elective credit

Prerequisite: None

Description: This course covers foundations of personal finance, empowering students to make sound financial decisions for life. General economics basics are shared throughout the course, too.

Course Title: Economics

Length: 1 semester

Grade Offered: 9-12

Required/Elective: It is an elective credit

Prerequisite: None

Description: This class will study major concepts and theories that economists use to explain why the world economy is the way that it is. Current events concerning Economics will also be covered in this class. Economics can include economics from Adam Smith from the 1700s to cryptocurrency from the 2000s and everything in between. Scarcity is the heart and soul of economics, which is unlimited wants and limited means which economists advise how to best address.

WORLD LANGUAGE - all courses will be offered online only

Course Title	Offered to Students In:				Class Length is:		Total Credit	Pre-Requisite?
	Grade 9	Grade 10	Grade 11	Grade 12	One Semester	Year Long		
Spanish I	x	x	x	x		x	2	No
Spanish II		x	x	x		x	2	Yes
Spanish III			x	x		x	2	Yes
Spanish IV				x		x	2	Yes

Students planning to attend a four-year college after high school typically need at least two years of foreign language study, with some programs requiring three years. Be sure to consult your school counselor to confirm the specific requirements for the colleges you are interested in.

Course Title: Spanish I

Length: 2 semesters

Grade Offered: 9-12

Required/Elective: It is an elective credit

Prerequisite: None

Description: Spanish I provides a foundational introduction to the Spanish language. Students will develop basic skills in reading, writing, speaking, and listening. The curriculum focuses on essential vocabulary, verb conjugations, and key grammar concepts, along with an introduction to Spanish culture. This course equips students with the fundamental skills needed to communicate effectively in Spanish.

Course Title: Spanish II

Length: 2 semesters

Grade Offered: 10-12

Required/Elective: It is an elective credit

Prerequisite: Spanish I

Description: Building on Spanish I, Spanish II expands students' vocabulary and introduces additional verb tenses. Emphasis is placed on language acquisition through reading, writing, speaking, and listening. Students will deepen their understanding of Spanish culture and gain confidence in their communication skills. It is highly recommended for Level I to continue to Level II, as many colleges recommend 2 years in one foreign language.

Course Title: Spanish III

Length: 2 semesters

Grade Offered: 11-12

Required/Elective: It is an elective credit

Prerequisite: Spanish I & II

Description: Spanish III focuses on advancing vocabulary knowledge and exploring complex grammatical structures, including the subjunctive mood. Students will continue to develop proficiency in speaking and reading while exploring the cultures, traditions, and culinary arts of Spanish-speaking countries.

Course Title: Spanish IV

Length: 2 semesters

Grade Offered: 12

Required/Elective: It is an elective credit

Prerequisite: Spanish I, II, & III

Description: Spanish IV emphasizes advanced communication skills in speaking, writing, and comprehension. The course includes the study of Spanish literature and cultural interpretation. Students will focus on achieving fluency and confidently interacting with others in Spanish.