



Ag Economics: This course is designed for the student interested in understanding the operations and institutions of economic systems as applied to our nation's largest industry – agriculture. Units of instruction include basic economic behavior and international trade and policy. Instruction is also given in leadership, citizenship, and career education.

Ag Government: This course is designed to familiarize students with the structure and processes of the United States Government system. Students will learn about the responsibilities and rights of citizenship, voting, political parties, elections, campaigns, the Constitution, the branches of government, and the Bill of Rights. Student will also learn about state powers as it compares to the national government powers and be introduced to world leadership

Intro to Ag Mechanics/Welding: This course will teach students specialized skills for the construction, maintenance, repair and service of agricultural equipment and facilities. This class will teach the student to fabricate and adapt various pieces of farm machinery and facilities by cutting, forming, and welding different types of metals. Students will learn the basic principles of plumbing, electrical, welding, concrete work, fencing and some animal husbandry skills. The course integrates math, and physical applications to applied principles within the everyday work world. **(DuE - MAG40)**

Ag Welding: Agricultural Welding provides an opportunity for students to advance their understanding of welding technology. This course integrates mathematics and scientific principles to applied processes in the specialized field of SMAW. The course operates within an extensive laboratory to provide practical applications and advanced instruction in the basic principles of welding as follows: 1) OFC, 2) SMAW, and 3) GMAW.

Ag Construction: This advanced course will teach students specialized skills for the construction, maintenance, repair and service of agricultural equipment. This class will teach the student to fabricate and adapt various pieces of machinery by cutting, forming, and welding different types of metals. Examples of equipment include: tractors, trailers, harvesters, tilling equipment, and others. This course integrates math and physical applications to applied principles within the everyday work world.

Ag Engineering & Fabrication: This advanced course will teach students specialized skills for the construction, maintenance, repair and service of agricultural equipment. This class will teach the student to fabricate and adapt various pieces of machinery by cutting, forming, and welding different types of metals. Examples of equipment include: tractors, trailers, processing equipment, tilling equipment, and others. This course integrates math and physical applications.

Floral Design (1-2-3): These courses are designed to allow students to apply an artistic approach to floral design. Students will explore elements and principles of design, two or three dimensional designs, history of floral art, arrangement styles and techniques, seasonal, holiday and occasional designs. Students will achieve this through creating, designing, identifying, explaining, and evaluating floral topics. Students will learn how to be profitable, create budgets, and shop for the best deals in materials. Students are expected to participate in FFA activities or events through this class.

Ornamental Horticulture Science: Ornamental Horticulture is a two-semester class (one year) designed to introduce and develop entry-level skills and experiences associated with the Ornamental Horticulture and Floriculture industries, as well as pursuing further education at a Community College or University. Students will obtain skills in the area of horticulture, landscape design, landscape maintenance, floriculture, turf, business sales and communications.



Digital Video Production: Students will learn the specialized vocabulary of the film and television industry and develop communication and design to express themselves clearly and concisely in their production of film, video, and television segments. Students develop ideas individually or within groups, research subject content, script, propose, and produce. **(Due - GRC27) (AI)**

Advanced Video Production: This course is structured to provide students with entry level knowledge of multi-media production techniques, to prepare for real-world vocational opportunities. Topics of study will include: Sound Characteristics, Sound Console Layout, Audio Recording Machines, microphone design, speaker design, Basic Lighting, Camera operation & composition, Video Recording Machines & Techniques, Editing and Commercial Production for Advertising. **(AI)**



Pre-Certification Nursing Assistant (CNA): Class Limit = 17. Two-hour block; one-year course; 20 units per year. This Class is held at Palm Village. This approved California Department of Public Health (CDPH) Pre-Certification Nursing Assistant (CNA) class includes classroom instruction and clinical hours in a long-term care facility. The course instructs students on the care of geriatric residents. An RN or LVN teaches and supervises the class. Transportation is provided. After successfully completing the required number of hours of supervised study and hands-on practice and maintaining a 70% GPA or better, the student is eligible to take a **California State Certification Licensing exam for the Certified Nursing Assistant. Students are responsible to pay for the state certification exam (\$90).** **Students must be senior status, have an overall GPA of 2.5, and possess a valid Social Security card. Students who have successfully completed Medical Terminology class and also have the above requirements have priority for placement in the CNA classes.**

First Aid & Safety: This course is taught as part of the Health Careers Pathway. It is a semester-long course and is taught in conjunction with Medical Terminology. A component of the class will be to explore careers in health care. The First Aid and Safety class certifies in American Red Cross Community First Aid and Safety. Certification in American Red Cross Community First Aid and Safety meets the requirements for various types of employment in health care and other types of jobs. Students will have the opportunity to receive certification in infant, adult and child CPR and AED.

Medical Terminology: This course is taught as part of the Health Careers Pathway. It is a semester-long course and is taught in conjunction with First Aid and Safety. A component of the class will be to explore careers in health care through job shadowing, tours and guest speakers. The Medical Terminology course prepares students for entry-level positions into numerous occupations in health care and gives the student a fundamental understanding of the human body. Students study the body systems including anatomy and physiology, pathology, diagnostics, symptomatic and therapeutic terms, numerous medical procedures, abbreviations, pharmacology terms, and medical records. [\(SJVC\)](#)



Virtual Enterprise: Virtual Enterprise is a simulated business that is set up and run by students to prepare them for working in a real business environment. Students learn about Economics--micro and macro—and its relationship to and impact on business operation in the private enterprise system. The students study supply and demand, the Federal Reserve System, taxation by local, state, and federal governments, business organizations, the stock market, and international transactions. The students determine the nature of their business, its products and services, its management and structure, and learn the daily operations of a business under the guidance of a consultant with the support of a real business partner. [\(SJVC\)](#)



Criminal Justice: This course is designed to develop an awareness of the various law enforcement occupations. The emphasis is placed on the development of attitudes, skills and competencies related to the criminal justice system in the U.S. The course introduces the student to the study of crime and the administration of justice in the U.S. The focus will be on the realities of enforcement and apprehension at the federal, state, and local levels, prosecution, courts, and the disposition of the people charged with the commission of crimes. Throughout this course writing skills and students' abilities to deal with people will be stressed. [\(SJVC\)](#)

Crime Scene Investigation (CSI): This course develops an awareness of the various components of criminal investigation. Emphasis is placed on the development of attitudes, skills, and competencies related to crime investigation. It introduces the student to the study of criminal investigative techniques and analysis. The focus throughout is collection, protection, and preservation of evidence as it relates to the investigative process. The course emphasizes writing. [\(DuE - CRIM8\)](#) [\(SJVC\)](#)

Urban/Rural Fire Fighting: Two-hour block; one-year course; 30 units per year. This course is designed to prepare individuals for fighting fires and related tasks. The course is the California State Fire Marshal Fire Fighter I course which prepares students for State certification. Students will learn about fire protection organizations, use and handling of firefighting equipment and apparatuses, fire protection and safety, fire behavior and extinguishment methods, rescue and ventilation operations, fire control, and salvage and overhaul of structures. Practical experience will be gained through live fire and simulated exercises relating to the theory taught in the classroom. CPR and first aid will be taught in the course to provide the students with the knowledge and skills necessary to adequately assess and provide care for victims at the scene of injury. [\(DuE-FIRET 1\)](#) - **(Transportation will be provided.)**

Wildland Firefighting: (Regional Program at Reedley College) 2-hour block (1:21 – 3:06 p.m.) with 5 Saturday field days. This course provides an introduction to fire protection. This course also introduces students to the USDA Forest Service (USFS) and prepares them with basic firefighting and conservation entry-level skills. Classroom instruction, demonstration, and hands-on field application will be given in basic firefighting, standards for survival, engine and pump operations, backfiring methods and equipment use, chainsaw operations, map and compass use, air operations, basic hand tool sharpening and use, fire line construction, and forest conservation. Students who are 18 upon completion of the class (end of April) and have achieved the appropriate certifications may apply for the USFS Summer Intern program and work as firefighters from May through October. [\(DuE-NR 5, NR 8, NR 42, NR 110\)](#)



Aviation Technology and Flight School: (Regional Program at Reedley College) 2-hour block (1:21 – 3:06 p.m.) The Aviation Maintenance Technology Class designed to teach the theory of operation of aircraft airframes, power plants, and avionics systems and associated maintenance and repair practices. This course will also provide a basic introduction to flight school where students will explore the basics of flight training ground school using flight simulators. Students learn to use and read and navigate with airplane instruments, Meteorology systems, and Flight environment.