



**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.

**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. [\(DuE-MAG 40\)](#)

**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.

**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.

**Environmental Horticulture Science:** This course will provide the student with theories and principles related to environmental horticulture science. This course is intended to successfully prepare those students who plan on majoring in agricultural sciences in a four-year college and/or university.

**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. [\(DuE-EH 37\)](#)



**Construction Technology:** This course prepares students for the competency skills and knowledge necessary to enter the field of residential and light commercial construction. This year course provides student application at all of the various areas of construction, technology, wood products manufacturing, and interior building construction and will have an emphasis on finish carpentry. Included in the instruction will be specific applications of the career performance standards. [\(DuE- CONS 50A, CONS 50B\)](#)

**Construction Shop Manager Internship:** This advanced one year course builds on students' shop skills, tools and machine knowledge by providing them the opportunity to keep tool/part/consumable inventories, repair, adjust, and renew machinery and tools, and give students the chance to work as a team leader in the Construction Course, build jigs, small equipment, and install facility upgrades in a shop management internship. The student will learn to apply leadership skills by directing and supervising, production crew members from the construction class. There will be 4-5 internships open per year.



**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. This is a Semester Course. [\(SJVC\)](#)

**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. This is a Semester Course.

**Medical Occupations:** This course introduces students to the diverse occupations in the medical, health, and hospital career areas. They become familiar with post-secondary educational opportunities and requirements as well as with entry-level occupations. The students will gain knowledge of the health industry, its traditional and nontraditional career paths, medical law and ethics, meeting clients' diverse needs, and human growth and development.



**Culinary Arts: Pastry & Baking:** This course provides entry-level training in the pastry and baking preparation field of food service. Students will be introduced to a variety of pastry and baking skills and introductory retailing practices. Students will operate a bakery and coffee shop on campus.

**Pre-Certification Nursing Assistant (CNA): Class Limit = 17. Two-hour block; one-year course; 20 units per year.** 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. Transportation will be provided. The course instructs students on the care of geriatric residents. An RN or LVN teaches and supervises the class. 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.**

**Sports Medicine:** This health science course introduces students to the field of Sports Medicine and other allied health professions. Basic anatomy and physiology concepts provide the framework of study. Other content areas include prevention of injuries, protective taping and wrapping techniques, stretching methods, overall wellness, injuries, therapeutic modalities, and drug related topics. Students enroll in this one-period theory class during the day and will with instructor permission participate in 10 additional hours, each semester in a community classroom or vocational experience situation for real world training; i.e., as student athletic trainers after school. [\(DuE-PE 20\)](#)

**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. [\(SJVC\)](#)

**Career and Business Skills: (After-school) (offered every quarter in two-hour blocks.)** This course is designed to give students a basic knowledge of word processing for production of documents that are useful for entry-level positions. It provides an emphasis on keyboarding, inputting, revision, storing and printing various course assignments. Students practice the five basic word processing step input, output, revision, distribution, and storage. Integrated throughout the course are career preparation standards, which include academic skills, communication, interpersonal skills, problem solving, and employment literacy.

**Urban/Rural Fire Fighting:** 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. [\(DuE-FIRET 1\)](#)

**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. **(Transportation will be provided.)** [\(DuE-NR 5, NR 8, NR 42, NR 110\)](#)

**Automotive Service & Maintenance:** This course introduces students to the servicing and maintenance of the automobile. Students will learn by performing maintenance tasks on engines, brakes, suspension, electrical, fuel systems and more. Students will also be expected to demonstrate safety in an automotive shop environment. Automotive industry standards (NATEF) and ASE certifications will be emphasized. Students who successfully complete this program will be prepared for entry level positions in the automotive service industry. [\(DuE-AUTO T9\)](#)

**Engine Performance & Electrical:** This course consists of three major areas of study: Engine Repair in the first semester, and Engine Performance and Electrical in the second semester. Students successfully completing these areas of study will be able to demonstrate entry-level skills in both of these areas.

**Suspension & Drivetrain:** This course introduces students to the ASE areas of manual/automatic transmission systems (A2-A3), suspension/steering (A4), and brakes (A5). Students successfully completing these areas of study will be able to demonstrate entry-level skills in all of these areas.

**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.