



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. [\(DuE - MAG40\)](#)

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. 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. This course integrates math and physical applications to applied principles within the everyday work world.

Agriculture Sales & Marketing - This course introduces students to the business world as it relates to agriculture -- the world's largest industry. It prepares students to perform tasks related to sales, marketing, managing business organizations, credit & finance, accounting and job preparation.

Advanced Animal Science - Advanced Animal Science offers specific instruction in many key areas of the animal science industry. It will provide information, activities and skill development in the areas of scientific method, mammalian production and reproduction, health care, anatomy, physiology, nutrition, genetics and production management. Emphasis is placed on large animals that are most important to human culture as we know it today. Evaluation is based on class assignments, laboratory activities, homework, quizzes/tests, participation in student leadership activities (FFA) and maintaining an approved Supervised Agriculture Experience (SAE) program and keeping an up-to-date record book.



Digital Photography - This course teaches basic photography skills, focusing on the digital format as taught through hands-on and out of the book assignments, as well as various other forms of instruction. The use of digital cameras, PhotoShop image editing software, printers and computers are the core of this course. [\(DuE - PHOTOS & PHOTO12\)](#) [\(AI\)](#)

Digital Photography - Advanced: This course is available to students who have already completed two semesters of Digital Photography. The course is designed to further the training and knowledge needed to enter the photographic field or to continue advanced photographic training at a community college or trade school through the use of digital cameras, PhotoShop image editing software, printers and computers. With the completion and evaluation of numerous independent lab projects, students work directly with school and community based publications (newspaper, yearbook, newsletters, clubs, organizations) producing photography and graphic imagery, exhibitions, competitions and presentations at an advanced level. [\(AI\)](#)

Publishing Management - Through this course, students will demonstrate their advanced skills in the art of writing, designing and managing a publication. Journalistic writing, photography, theme development and graphic design will be covered to produce the student annual (yearbook). Advertising and marketing strategies will be implemented as students hone their communications skills. Industry standard technology and software will be used to complete writing and layout assignments. Students will build upon their basic design and graphic skills and progress to an advanced level. [\(AI\)](#)

Stagecraft Technology - This course is designed to prepare students for entry-level jobs in theater and stage production, including: stage management, production assistance, set design, wardrobe/costume production. Stage carpentry, sound and light design/operation, property mastery, set design, painting and publicity. Students will acquire knowledge in the use, care, safety practices and upkeep of equipment and supplies involved in Stage Production. Practices, hands-on learning will accompany all classroom training through work in school or community theater productions. [\(AI\)](#)



Beginning Construction: 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.

Construction Technology/Exterior: This year-long course prepares students for the competency skills and knowledge necessary to enter the field of residential and light commercial construction. This is the second course in the residential construction pathway. Students, after gaining basic construction skills, and tool knowledge in the Introduction to Residential Construction class, will learn in depth application at all of the various areas of construction, technology, wood products manufacturing, and exterior building construction. [\(DuE - CONSS50A - CONSS50B\)](#)

Construction Internship - This advanced one year course builds on students' shop skills 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 build advanced projects in a shop management internship.

First Aid & Safety - This course is taught as part of the Health Careers Pathway. It is a semester-long course and is taught in the fall semester before the spring offering of Medical Occupations. 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 also certify in CPR for adult, children, and infants.

Medical Occupations - Offered Spring semester after First Aid and Safety, 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.

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. The course instructs students on the care of geriatric residents. 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 exam for the Certified Nursing Assistant license. Students are responsible to pay for the state exam (\$90). 2.5 GPA required and possess a valid Social Security card. Counts for 3 units of college credit at Reedley College. **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.** [\(DuE - NAT101\)](#)

Criminal Justice - This course is designed to develop an awareness of the various law enforcement occupations. 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. [\(DuE - CRIM1\) \(SJVC\)](#)

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. [\(DuE - CRIM8\) \(SJVC\)](#)

Valley ROP Fire Fighters Academy

- **Juniors: Urban/Rural Fire Fighting (Regional Program at Sanger High School) 2-hour block (1:30 – 3:30 p.m.), Transportation provided**, with approximately 5 Saturday field days. 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. Scholarships for EMT and Intro to Fire Tech and tuition for Fire Academies are possible with successful completion of the class. [\(DuE-FIRET 1\)](#)
- **Seniors: 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. Presents career opportunities in fire protection and related fields. 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, etc. 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. [\(DuE-NR 5, NR 8, NR 42, NR 110\)](#)

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.

Aviation Maintenance Technology (Regional Program at Reedley College) -This course is designed to train students for entry-level jobs in the fast growing industry of Aviation Maintenance. Emphasis will be placed on diagnostics, repair, adjustment, and troubleshooting for the following systems: Cabin Atmosphere Control Systems, Hydraulic and Pneumatic Power Systems, Aircraft Fuel Systems, Fuel Metering Systems, Engine Fuel Systems, Aircraft Landing Gear Systems, Position and Warning Systems, Ice and Rain Control Systems, Fire Protection Systems, Engine Fire Protection Systems, Assembly and Rigging, Engine Instrument Systems.