



**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.



**IT Essentials:** This is the first of two courses designed to provide students with classroom and laboratory experience in current and emerging networking technology that will empower them to enter employment and/or further education and training in the computer networking field. Content standards are based on a task analysis of current industry/occupational standards.



**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.

[\(DuE-CRIM 1\) \(SJVC\)](#)

**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.)**

[\(DuE-NR 5, NR 8, NR 42, NR 110\)](#)



**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.