

Hospitality

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.

Arts and Media

Art Animation: This course uses the computer and graphics software to tell a story through a series of visual images and text on rapidly moving frames. Students will create two-dimensional animations using Adobe Flash software and three-dimensional animations using 3D Studio Max. The two-dimensional animations are used primarily for web pages. The three-dimensional animations are used primarily for designing video games, presentations, and movie special effects. [\(DuE-GRC 34\)](#) [\(AI\)](#)

Digital Animation – Advanced: This course generates art through the use of advanced computer techniques and enhanced projects. Students will draw 1- and 2- point perspectives, create 2D animation including lip synch and body expression and script animations, and create texture maps using 3D Animation. Students will also create a portfolio of their work and job search documentation. [\(AI\)](#)

Health Science

Pre-Certification Nursing Assistant (CNA): **Class Limit = 17. Two-hour block; one-year course; 20 units per year. This Class is held at RHS (Transportation is provided)**

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.

Engineering

Robotics: This course will introduce students to the fascinating and fun world of robotics, covering everything from simple toys to the complex logic and articulation of environmental sensing, recording and actuating devices, as well as automated design and manufacturing machines. Students will learn to design, build and program a device that responds to external information to perform a set of particular tasks. This highly complex area of study involves understanding how electronics, electrical, pneumatic and computer systems can be used to control robots which receive information from sensors and programmable inputs to go through a set of motions that are purposeful for its designed functions.

Public Services

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

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. [\(DuE-CRIM 8\)](#) [\(SJVC\)](#)

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. [\(DuE-FIRET 1\)](#)

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.