



Mission Valley ROP

Career Technical Training Center

2021–2022 High School Courses



Courses at Logan High School

2-D Animation

UC "P" Credit | Ohlone College Credit

Students learn the creative process for producing 2-dimensional digital animations. Students write short stories, draw sketches and storyboards, develop original characters, backgrounds, and objects using traditional and digital animation techniques.

Automotive Technology 1 – (1 Hour)

Chabot College Credit for Year 1

This course focuses on general auto repair, brakes, steering and suspension, electrical systems, engine performance. Students receive hands-on experience in auto shop operations, tool usage, safety procedures, equipment operation, and customer service. *Must earn a C or better in Automotive Technology 1 to take Automotive Technology 2.*

Automotive Technology 2 – (2 Hours)

Prerequisite: Must earn a C or better in Automotive Technology 1. Students gain advanced skills and have the opportunity to earn many industry level certifications.

Basic Car Care (Semester)

This one-semester course provides pre-entry level training in automotive service/maintenance and is designed to be the first course for students entering transportation technology career pathways.

Computer Science Principles

UC "g" Credit | Ohlone College Credit

Using Python® as a primary tool, students explore and become inspired by career paths that utilize computing, discover tools that foster creativity and collaboration, and use what they've learned to tackle challenges like app development and simulation.

Culinary Arts 1

Mission College Credit

This competency-based course is geared to introduce students to the Hospitality and Food Service Industry. The course includes sections on food safety and sanitation, basic culinary terms, hospitality standards, knife skills, fundamentals of cooking techniques, pantry, soups, and basic pastry. Integrated throughout the course are career preparation standards, including basic academic skills, communication, interpersonal skills, problem-solving, workplace safety, technology, and employment literacy. *Students will earn Food Handlers Certification.*

Culinary Arts 2

Prerequisite Culinary Arts 1.

Students continue to focus on sanitation, safety, and knife skills. Students gain advanced skills in preparing stocks, soups, sauces and main entree courses, nutrition, costing out recipes and menu and other culinary math skills, menu design, and regional cooking.

Digital Photography 1

UC "P" Credit | Mission or Ohlone College Credit

The study of digital photography encourages conceptual thinking and creativity. Explore hands-on digital photography fundamentals to include: Adobe Photoshop, lighting, set design, studio configuration, camera operation, software interfaces, color management, photo editing, and compositing.

Digital Photography 2

UC "P" Credit

Prerequisite Digital Photography 1. Students will improve their camera operation skills, work on photo concepts, improve and manipulate their photos using Adobe Photoshop CS3, and learn advanced digital printing techniques. Students will practice professionalism and work ethic and face the same challenges in "real life" photography careers.

Introduction to Culinary Arts and Hospitality (Semester)

This course explores careers in several related industries, including hospitality, culinary arts, travel, tourism, recreation, and leisure industries. Students are also introduced to some basic cooking skills, safety, and sanitation. Introductory semester course for Culinary Arts. *Students will earn Food Handlers Certification.*

Introduction to Engineering Design

UC "g" Credit

This Project Lead the Way (PLTW) course will expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. Students will make models and use 3D solid modeling design software to help them design solutions to solve proposed problems and learn how to document their work and communicate solutions to peers and members of the professional community.

Law Enforcement/Homeland Security

Ohlone College Credit

Students learn legal vocabulary, search and seizure, laws of arrest, judicial systems, specialized police practices, and improved written and oral communication. Explore careers within the criminal justice system and job search procedures; field trip to a local law enforcement agency.

Medical and Health Careers

UC "g" Credit | Chabot College Credit

Recommended for 11th graders. This is introductory class provides student exploration for career pathways in health, medicine, life sciences, and health care systems, introduces medical terminology, medical ethics and law, microbiology, Vital signs, nutrition, and infection control. 'B' grade minimum required to receive a MVRP completion certificate and community college credit.

Medical Occupations

UC "g" Credit | Las Positas College Credit

Recommended for 12th graders. Instruction includes professional ethics, medical terminology, infection control, vital signs, basic anatomy and physiology, CPR, and special clinical procedures. Students are placed in an Internship at hospitals, doctor's offices, pharmacies, physical therapy, nursing care facilities, and dental clinics based on their career choice. Immunizations, scrubs (common color, unisex scrubs will be issued to be returned washed at the end of the internship), and personal transport to the sites are required. 'B' grade or better is required to be placed on an internship, get CC credit, and MVRP completion certificate.

TV Broadcast Technology – Electronic Media Production 1, 2

UC "P" Credit | Ohlone College Credit

Television Broadcasting Technology is a one year course taken over two years. Successful completion of the course earns 3 units of college credit.

Semester 1 –Electronic Media Production 1 is taken in the 11th Grade. Semester 1 (EMP 1) students become proficient in the use of television broadcast equipment. Semester 1 focuses on an introduction to television broadcasting, project planning, audio and video production, lighting, location production, and studio set-up and operation.

Semester 2 –Electronic Media Production 2 is taken in the 12th grade. Semester 2 (EMP 2) students gain greater proficiency in television production. Semester 2 focuses on television broadcasting, including creating news stories. During this semester, students produce the daily television show Logan Live! for the James Logan High School campus.

For more information about MVRP and our programs go to www.mvrop.org