



# 2024-2025 COURSES AT LOGAN HIGH

## **2-D Animation**

### **UC “f” 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)**

### **UC “g” Credit for Year 1 | Chabot College Credit**

This course offers hands-on experience in auto shop operations, tool usage, safety procedures, equipment operation, and customer service; skills learned include general auto repair, brakes, steering and suspension, electrical systems, and engine performance. Students may earn industry-level certifications.

## **Automotive Technology 2 – (2 Hours)**

**Prerequisite: C or better in Auto Tech 1** This course focuses on advanced skills including various Advanced Drivers Assistance Systems (ADAS), exploring system operation, diagnosis, service, and calibration skills. Students may earn 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-PLTW**

### **UC “d” Credit | Ohlone College Credit**

This Project Lead the Way (PLTW) course uses Python® as a primary tool for students to 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.

## **Cybersecurity-PLTW**

### **UC “d” Credit | Ohlone College Credit**

This Project Lead the Way (PLTW) course introduces core security concepts and skills needed to monitor, detect, analyze and respond to cybercrime, cyberespionage, insider threats, advanced persistent threats, regulatory requirements, and other cybersecurity issues facing organizations. It emphasizes the practical application of the skills needed to maintain and ensure security and operational readiness of secure networked systems.

## **Culinary Arts 1**

### **UC “g” Credit | Mission College Credit**

This competency-based course introduces the Hospitality and Food Service Industry. Included in the course are food safety and sanitation, basic culinary terms, hospitality standards, knife skills, fundamentals of cooking techniques, pantry, soups, and basic pastry. Throughout the course are career preparation standards. Students earn Food Handlers Certification.

## **Culinary Arts 2**

### **UC “g” Credit**

**Prerequisite: Culinary Arts 1.** Students continue to focus on food safety, sanitation, 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 “f” Credit | Mission 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 “f” 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 the same challenges faced in “real life” photography careers.

## **Introduction to Culinary Arts and Hospitality (Semester)**

This is a one-semester introductory course for Culinary Arts exploration of careers in related industries including hospitality, culinary arts, travel, tourism, recreation, and leisure industries. Students are introduced to some basic cooking skills, safety, and sanitation. Students earn Food Handlers Certification.

## **Introduction to Engineering Design-PLTW**

### **UC “d” 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 will learn how to document their work and communicate solutions to peers and members of the professional community.

## **Law Enforcement/Homeland Security**

### **UC “g” Credit | 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. Students take a field trip to a local law enforcement agency.

## **Medical and Health Careers (1 Hour)**

### **UC “g” Credit | Chabot College Credit**

This 1-hour introductory class provides student exploration for medical and health career pathways. It introduces medical terminology, medical ethics and law, microbiology, vital signs, nutrition, and infection control. This course cannot have concurrent enrollment with the Medical Occupations course. Recommended for 11th graders.

## **Medical Occupations (2 Hour-Internship)**

### **UC “g” Credit | Las Positas College Credit**

This 2-hour class addresses professional ethics, medical terminology, infection control, vital signs, basic anatomy and physiology, CPR, and special clinical procedures during the first semester. Second semester internships are required. Students not meeting all requirements for internships will not be able to continue in the course the second semester.

**This course cannot have concurrent enrollment with the Medical and Health Careers course. Recommended for 12th graders.**

## **Television 1, 2**

### **UC “f” Credit | Ohlone College Credit for Year 2**

Television 1 is a year-long class designed to provide the basics of filmmaking and TV production in a hands-on, project-intensive environment. Students produce PSAs, news items, and more for Logan Live, the daily television show for the school community. The course introduces students to a variety of software in the Adobe Creative Cloud Suite. In year two, students learn advanced techniques to further build their filmmaking and TV production skills using industry-standard media tools, while producing Logan Live.