

2026-2027 COURSES AT ROP CENTER CAMPUS



AP Cybersecurity (74624/ 74625)

UC "g" Credit

Learn principles, tools, and practices used to protect information systems from cyber threats. Understand network defense, cryptography, digital forensics, secure coding, and incident response through hands-on labs and real-world case studies. Students prepare for certifications such as CCNA CyberOps and (ISC)².

Auto Body Painting and Refinishing 1, 2 (74600/ 74601 | 74602/ 74603)

UC "g" Credit for Year 1

This course offers an introduction to Auto Body and Refinishing. Students will learn from a certified instructor and use industry-standard techniques, materials, and tools including a state-of-the-art, heated downdraft paint booth.

Automotive Technology 1, 2 (74604/74605 | 74606/ 74607)

UC "g" Credit for Year 1 | Chabot College Credit for Year 1

Prerequisite for Auto Tech 2: B- or better in Auto Tech 1

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. Year two focuses on advanced skills including various Advanced Driver Assistance Systems (ADAS), exploring system operation, diagnosis, service, and calibration skills. Students will earn industry-level certifications.

Careers in Education 1, 2 (74608/74609 | 74610/ 74611)

UC "g" Credit | Ohlone College Credit Year

Students explore child development across learning, social, physical, and emotional stages while discovering Early Childhood career opportunities. Create lesson plans, design arts and crafts, and organize classroom activities. Develop personal and career goals. Internship in a K-3 classroom required.

Cisco CCNA: Introduction to Networks (74638/ 74639)

UC "g" Credit | Ohlone College Credit

Students learn foundational networking skills: how networks and devices operate, how data moves through a network. Learn to configure routers, switches, implement basic security, and troubleshoot network issues. This hands-on course prepares students for entry-level networking roles.

Civil Engineering & Architecture-PLTW 1, 2 (74612/ 74613 | 74614/ 74615)

UC "d" Credit

In this PLTW capstone course, students learn civil engineering and architecture, including design and development of residential and commercial properties and structures. Students learn hand drafting, build architectural models, and use 3D design software. Fieldtrips to local businesses.

Computer Animation 1, 2 (74616/ 74617 | 74618/ 74619)

UC "f" Credit | Ohlone College Credit for Year 1

Learn to create 2D and 3D animation using industry-standard software. Students will develop skills in storyboarding, 3D modeling, character design, and concept art.

Computer Science Principles/ Digital Electronics-PLTW (74214/74212)

UC "d" Credit for each semester course | Ohlone College Credit

This unique course combines one semester of Computer Science Principles and one semester of Digital Electronics using the Project Lead the Way (PLTW) curriculum. Students study Web Development, Python® programming, drone programming, Ohm's Law, combinational/sequential logic, programmable logic devices, and more. Use of edge devices (Jetson) and microcontrollers (Raspberry Pi, Arduino) with emphasis on AI, machine learning, neural networks and data science.

Construction Technology 1, 2 (74620/ 74621 | 74622/ 74623)

UC "g" Credit for Year 1 | Chabot College Credit for Year 1

This course prepares students for entry-level employment in residential and commercial construction. Students receive hands-on training in carpentry, electrical, and plumbing, and drywall; including roofing, kitchen and bath remodeling, and using energy-efficient building materials. Qualified students are connected to local unions.

Digital Video Arts Production 1, 2 (74626/ 74627 | 74628/ 74629)

UC "f" Credit | Ohlone College Credit for Year 1

Video production including camera work, editing, and the production process of short fiction, documentary, commercial, and "live TV"; analyze film scenes and sequences, develop production management skills. Create original videos from scriptwriting to final edit.

Emergency Medical Responder (74630/ 74631)

UC "g" Credit | Chabot or Las Positas College Credit

Students in this course will learn EMR skills such as first responder well-being, legal and ethical issues, lifting and moving patients, patient assessment, medical emergencies, EMS system and operations, and managing multi-casualty incidents. American Heart Association CPR card available.

Fire Technology (74632/ 74633)

UC "g" Credit | Mission or Las Positas College Credit

Introductory course for careers in fire service; firefighting tactics/ strategies, physical agility, fire safety, ladder, hose and nozzle operations, tools, equipment, and fire prevention. Develop teamwork and leadership skills. Field trips and guest speakers enrich learning. American Heart Association CPR card available. Open to juniors and seniors.

Game Design/Interactive Media Arts 1,2

(74634/ 74635 | 74636/ 74637)

UC "f" Credit | Ohlone College Credit for Year 1

Learn to create 2D and 3D interactive games, game art, and simulations using 3DS Max, Unreal, and 2D game engines. Develop skills in game design documents, level design, 2D sprites, 3D modeling, character design, and animation.

Honors Medical Interventions/ Honors Biomedical Innovation- PLTW (74221/74222)

UC "d" Credit for each semester course | Ohlone College Credit

Prerequisite: Completed P B S/HBS course or three years of high school science. Priority placement for PBS/HBS completers .

This is a year-long combined course. In the first semester of Honors Medical Interventions, students learn immunology, cancer biology, surgery, genetics, pharmacology, medical devices, and diagnostics. In the second semester of Honors Biomedical Innovation, students learn about public health, biomedical engineering, clinical medicine, and physiology. Work-related experience may be available.

Law Enforcement/ Homeland Security 1, 2 (74642/ 74643 | 74644/ 74645)

UC "g" Credit | Ohlone College Credit for Year 1

Students learn legal vocabulary, general knowledge of the law, search-and-seizure procedures, laws of arrest, judicial systems, and specialized police practices. Students engage in physical agility training and defensive tactics. Explore careers within the criminal justice system and job search procedures. Year two focuses on leadership and management theory, reinforced through practical application assignments.

Medical Assisting (74646/ 74647)

UC "g" Credit

This course provides career preparation for Medical Assistant positions in the healthcare industry. Students will receive heavy academic instruction in human anatomy. Internships are required second semester. Students not meeting all requirements for internships will not continue in the course.

Music Production 1, 2 (74648/ 74649 | 74650/ 74651)

UC "f" Credit for Year 1 | Chabot College Credit for Year 1

Learn about virtual instruments and making music in Digital Audio Workstations, including Pro Tools, and Logic Pro X. Develop skills in recording, editing, and mixing techniques while gaining knowledge of music theory and audio hardware. Introduction to live sound offers students a comprehensive foundation in audio production.

Nursing Assistant (74652/ 74653)

UC "g" Credit

This course provides career preparation for Nursing/Health Care with personal patient care, systems review, safety principles, infection control, HIPAA, restorative care, body mechanics, nutrition, vital signs, Home and Acute Care. Internships at skilled nursing, Assisted Living, Home Care (medical/non-medical), dementia, or Acute Care facilities are required second semester. Students not meeting all requirements for internships will not continue in the course.

Pharmacy Technician (74654/ 74655)

UC "g" Credit

Students will gain valuable skills in processing prescriptions, managing inventory, compounding pharmaceuticals, and preparing intravenous medications under the supervision of licensed pharmacists. Students must meet all requirements, including drug testing and background checks, to participate in internships. Successful completion of this program qualifies students for the PTCE (Pharmacy Technician Certification Exam).

Principles of Biomedical Science/ Human Body Systems- PLTW (74216/74217)

UC "d" Credit for each semester course

This is a year-long combined course. During the first semester, in Principles of Biomedical Science, students explore concepts in biology and medicine such as genetics, microbiology, epidemiology, and clinical care. During the second semester, in Human Body Systems, students learn anatomy and physiology, clinical medicine, and laboratory research to solve real-world medical cases.

Sound Design for Film and Video Games 1, 2 (74656/ 74657 | 74658/ 74659)

UC "f" Credit for Year 1

Students will learn to create sound effects and music for film and video games using Pro Tools and Logic Pro X. Record and edit sound effects with Foley recording and ADR techniques. Learn to integrate sounds into gaming projects using programs such as Unreal Engine and Wwise. Students develop an online career portfolio to highlight their creative work.

Sports Therapy 1, 2 (74660/ 74661 | 74662/ 74663)

UC "g" Credit | Chabot College Credit for Year 1

This course is for students interested in the areas of athletic training, physical therapy, occupational therapy and strength and conditioning. Areas covered include anatomy/physiology, emergency procedures, injury recognition, evaluation, and treatment, taping, and wrapping. Students earn CPR certification. Internships are required. Students must meet all requirements to participate in internships.

Welding & Metal Joinery 1, 2 (74664/ 74665 | 74666/ 74667)

UC "g" Credit for Year 1 | Chabot College Credit for Year 1

This course is for students interested in the areas of welding and metalworking. Students learn the use of hand tools, cutting, and preparation techniques as they relate to welding and fabrication, and will take part in group and individual projects throughout the year. Students will be able to earn industry certifications.