



Mission Valley ROP

Career Technical Training Center

2020–2021 High School Courses



Courses at Kennedy High School

Some classes available only in blocks indicated on the JFK Bell Schedule

Anatomy and Physiology for Medical Careers | Block 2– Center Campus (74007)

UC “g” Credit | Ohlone College Credit

Students will gain a strong foundation in Anatomy and Physiology needed in the healthcare profession, terminology and tests related to the body’s systems in the classroom, visits from guest speakers, and labs. Lab skills include study of body systems and basic medical terminology.

Auto Body Painting and Refinishing 1, 2 | Block 2– Center Campus (74020/74021)

Certified Instructor will teach introduction to Auto Body and Refinishing. Identification of the use of tools, materials and techniques needed for entry level position.

Automotive Technology 1, 2 | Block 2– Center Campus (74040/74041)

Chabot College Credit for Year 1

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. Introduction to hybrid “green” technology. Must earn a B– or better in Auto Tech 1 to take Auto Tech 2.

Computer Science Principles/ Digital Electronics | Center Campus (74214/74212)

UC “g” Credit

This combination course combines one semester of the PLTW Digital Electronics curriculum and one semester of Computer Science and Software Engineering curriculum. This unique course allows students to investigate topics such as aerodynamics and astronautics, biological engineering and sustainability, and digital electronics and circuit design, giving students the opportunity to learn about different engineering disciplines before beginning post-secondary education or careers.

Construction Technology 1, 2 | Center Campus (74150/74151)

Chabot College Credit

Train for entry level employment in residential and commercial construction; training and hands on projects in carpentry, electrical, plumbing; power tool use and safety. Introduction to “green” construction including roofing, kitchen and bath remodeling, and energy efficient building materials.

Culinary Arts 1 (74170)

UC “g” Credit | Mission College Credit

This competency-based course is geared to introduce students to the Hospitality and Food Service Industry. Included in the course are 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, which include basic academic skills, communication, interpersonal skills, problem solving, workplace safety, technology and employment literacy.

Culinary Arts 2 (74180)

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 entrees courses, nutrition, costing out recipes and menu and other culinary math skills, menu design and regional cooking.

Digital Photography 1, 2, 3 (74200/74201/74202)

UC “P” Credit for Years 1 & 2 | Mission College Credit Year 1

Study of digital photography encourages conceptual thinking and creativity. Students 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 Video Arts Production 1, 2 | Blocks 1, 2– Center Campus (74230/74231)

UC “P” Credit

Video production including camera work, editing, DVD authoring and the production process of short fiction, documentary, commercial and “live TV”; analyze film scenes and sequences, develop production management skills. (Recommend prior class in fine arts, computer applications or digital graphics.)

Event Planning and Catering (74280)

Study the principles and practices of public relations, planning and organizing events, and preparation for employment opportunities with a variety of profit and non-profit organizations and corporations. Students must receive a grade of “B” or better to be eligible for internship opportunities.

Principles of BioMedical Science/ Human Body Systems– PLTW | Block 2– Center Campus (74215/74217)

UC “d” Credit | Cal State East Bay Credit (when coupled with a passing score on the CLEP Biology Exam) | Ohlone College Credit

First semester students will explore concepts of biology and medicine to determine the factors that led to the death of a fictional person. Activities and projects introduce students to human physiology, basic biology, immunology, microbiology, medicine, and research processes while allowing them to design their own experiments to solve biomedical problems. Second semester students examine the interactions of human body systems and take on roles of biomedical professionals to solve real-world medical cases.

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