TRI-CITIES ROP

Prepares students for college AND careers

2026-2027

CLASS SCHEDULE & COURSE CATALOG



562-698-9571 WWW.TRICITIESROP.ORG 10800 BEN AVON ST. UNIT E., WHITTIER, CA 90606

MISSION STATEMENT

Tri-Cities ROP prepares students for college AND careers by offering excellent career-technical education leading to employment, industry certification, or post-secondary education.

ADMINISTRATIVE OFFICE

10800 Ben Avon Street, Building E
Whittier, California 90606
☎ (562) 698-9571

HOURS OF OPERATION

Monday - Thursday
7:30 A.M. - 4:00 P.M.
Friday
7:30 A.M. - 3:30 P.M.

ADULT REGISTRATION HOURS

On-line 24/7
www.tricitiesrop.org

PARTICIPATING DISTRICTS & HIGH SCHOOLS

EL RANCHO UNIFIED SCHOOL DISTRICT

El Rancho High School
Ruben Salazar High School

WHITTIER UNION HIGH SCHOOL DISTRICT

California High School
La Serna High School
Pioneer High School
Santa Fe High School
Whittier High School

GOVERNING BOARD

Mr. Jaime Lopez, President (WUHSD)
Ms. Irma Rodriguez Moisa, Vice President (WUHSD)
Mr. Hector LaFarga Jr., Clerk (ERUSD)
Ms. Esther Mejia, Member (ERUSD)
Ms. Lilia Bozigian, Member (WUHSD)
Dr. John J. Smith, Superintendent

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ABOUT US

What is ROP?

Regional Occupational Programs (ROPs) are one of the longest standing forms of postsecondary career preparedness in California. The intent of the ROP structure is to provide a hands-on learning experience through Career and Technical Education (CTE) curriculum for students (16 and older) and adults with entry-level career and technical training. These courses prepare students for careers and further education, as well as to instill workplace values that will enable them to compete successfully in the economy of today and the future.

Why Take Courses At Tri-Cities ROP? Experience is the greatest teacher. We offer hands-on career training that covers nine different business sectors. Some of our courses also offer the opportunity to earn industry recognized certification. Our facilities are fully outfitted with industry standard equipment and credentialed instructors with years of real world experience.

How Do I Register For ROP Classes? Students who are interested in registering for ROP classes are encouraged to make an appointment with their high school counselor or visit the career center on their high school campus. Students may also visit our website @ **www.tricitiesrop.org**

What Is The Cost?

ROP is free to high school students.

Are There Any Other Costs?

Some of our courses may have additional costs for uniforms, protective equipment, or medical costs.

What Is An Articulation?

Articulation (Community College Credit) is defined as a planned process linking two or more education systems to assist students in making a smooth transition from the secondary level of occupational or academic training to the two-year and four-year post secondary level without experiencing a delay of duplication of learning. Articulation is envisioned as a continuum of skills which may lead to advanced placement and students being able to receive college credit for articulated high school classes.

Are High School AND College Credits Available? Yes! All courses offer high school credits. Some courses fulfill math and science credits for graduation. Courses may have articulation agreements with local community colleges, allowing students the opportunity to earn college credit.

What Is A Community Classroom?

A community classroom (work-site learning also known as an externship) is an instructional methodology that supplements classroom instruction. It allows a student to expand on their classroom instruction at a job site in a non-paid position.

Is Business Involved? Over 300 local employers participate on ROP advisory committees to keep training current with industry standards. Many classes offer non-paid internships or on-the-job training at businesses and industry sites throughout the county. Employers who need highly skilled, motivated employees hire ROP graduates!



SUPERINTENDENT'S MESSAGE



Dr. John J. Smith, Superintendent of Tri-Cities ROP

Welcome to Tri-Cities Regional Occupational Program (TCROP)!

It is my pleasure to welcome you to the 2026–2027 school year at TCROP, where students discover opportunities, develop career-ready skills, and prepare for success in college, careers, and beyond.

TCROP proudly serves students from the El Rancho Unified School District and the Whittier Union High School District through high-quality Career Technical Education (CTE) programs that connect classroom learning with real-world experience. Our courses provide students with hands-on training, industry-relevant skills, and valuable career exploration opportunities across a wide range of high-demand fields.

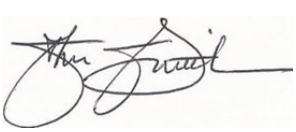
Through partnerships with Rio Hondo College, Cerritos College, and Mt. San Antonio College, many TCROP courses offer articulated college credit opportunities, allowing students to begin earning college credit while still in high school. These partnerships help students save time and money while creating seamless pathways to higher education and career success. In addition, many TCROP courses are approved by the University of California (UC) and California State University (CSU) systems to satisfy A-G admission requirements, helping students stay on track for college eligibility while exploring career pathways.

Our dedicated instructors bring extensive industry experience into the classroom, helping students gain practical knowledge and workplace skills that prepare them for today's evolving workforce.

As you explore the 2026–2027 Schedule of Classes, I encourage you to take advantage of the many opportunities available through TCROP. Whether your goal is college, career, or both, TCROP is committed to helping you build a strong foundation for your future.

We wish you a successful and rewarding school year.

Sincerely,



Dr. John Smith
Superintendent

TRI-CITIES ROP

STUDENT SUPPORT SERVICES

2026-2027 SCHEDULE



Elsa Cabral

College and Career Pathway Advisor

El Rancho High School -
Tue,Wed,Thu
Pioneer High School -
Mondays & Fridays

ecabral@tricitiesrop.org
562-328-3723



David Belis

College and Career Pathway Advisor

California High School -
Mon,Wed,Thu,Fri
Ruben Salazar High School -
Tuesdays

dbelis@tricitiesrop.org
562-325-7290



Jonathan Olmedo

College and Career Pathway Advisor

Santa Fe High School -
Mon, Thu, Fri
La Serna High School -
Tuesdays & Wednesdays

jolmedo@tricitiesrop.org
562-322-7978



Jackie Ramirez

College and Career Pathway Advisor

Whittier High School -
Mon, Tue,Wed,Fri
Pioneer High School -
Thursdays

jramirez@tricitiesrop.org
562-321-0569

MEET YOUR TRI-CITIES ROP CTE COUNSELOR



Hello! My name is Bianca Aguirre. I'm the TCROP CTE Counselor. Are you an ROP student? If so, please feel free to contact me or schedule a counseling appointment.

SERVICES

- Career Exploration
- Career Technical Information
- College Information
- Financial Aid Information
- Student Success Workshops
- Work Based Learning Information

SERVICED SITES

PIONEER HIGH
EL RANCHO HIGH
SANTA FE HIGH
LA SERNA HIGH
CALIFORNIA HIGH
WHITTIER HIGH
RUBEN SALAZAR HIGH

CONTACT ME

baguirre@tricitiesrop.org
(562) 536-4455

SCHEDULE

El Rancho High School -
Mondays
WUHSD /ERUSD High Schools -
Tuesdays & Wednesdays (bi-weekly)

STUDENT LEARNING OUTCOMES

Upon successful completion, Tri-Cities ROP students will:

- **Effectively Communicate - Listen, speak and write clearly to understand and be understood.**
- **Practice Problem-solving and critical-thinking skills.**
- **Develop skills to transition into postsecondary career technical education or the workplace.**







2026 - 2027 Community-Based Classes

Open to WUHSD & ERUSD Students
(Transportation Not Provided)

www.tricitiesrop.org

AFTER-SCHOOL

High School Students

HEALTH SCIENCE & MEDICAL TECHNOLOGY — FALL/SPRING

DENTAL ASSISTANT

Prepare for employment as a chair-side dental assistant. Learn to provide preventive, supportive, restorative, and interceptive services for patients and related office and laboratory procedures. Students who successfully complete the program will earn Radiation Safety and Infection Control Certificates recognized by the Dental Board of California. Includes American Heart CPR training. Students must participate in work-based learning in a dental office to complete course. Students will participate in a summer externship program.

*Student Externship, Location & Time: TBD by Instructor

DAY/TIME	DURATION	LOCATION	INSTRUCTOR	HOURS
Fall 2026 8/18/26 - 12/17/26 **Spring 2027** 1/12/27 - 5/12/27	Tues, Wed, & Thurs. 4:00 - 8:00 PM	Pioneer High School, ROP Dental Room	Mr. Chavez	**244***

Clinical hours must be completed to receive all certifications.

PREREQUISITE: Completion of ROP Medical Core class with a grade of "C" or better. Open to **high school Juniors & Seniors only**.

NURSE ASSISTANT PRE-CERTIFICATION

Prepare to take the California Department of Public Health State Exam to become a licensed CNA. Learn patient care, infection control, observation, and communication skills with an emphasis on caring for the geriatric resident in a long-term care facility. Clinical site training is a requirement of this class and is available to eligible students.

REQUIRED: Negative TB test, current COVID-19 and flu vaccination. Background check. Social Security Card or ITIN, Valid California State ID or Driver License.

*Student Externship, Location & Time: TBD by Instructor

DAY/TIME	DURATION	LOCATION	INSTRUCTOR	HOURS
Fall 2026 8/12/26 - 12/16/26 *Mon. & Wed.* 3:45 - 8:00PM **Spring 2027** 1/11/27 - 6/2/27 *Mon. & Wed.* 3:45 - 8:00PM	**Fall 2026** 8/13/26 - 12/17/26 *Tues. & Thurs.* 3:45 - 8:00PM **Spring 2027** 1/12/27 - 6/3/27 *Tues. & Thurs.* 3:45 - 8:00PM	El Rancho Education Center Room 10	Brown	**160**

Some Saturday classes will be required. Dates TBD

PREREQUISITE: Completion of ROP Medical Core class with a grade of "C" or better. Open to **high school Juniors & Seniors only**.

Scan to view courses!

Afterschool/Saturday Classes

Afterschool/Saturday Classes

SATURDAY CLASS

High School Students

PUBLIC SERVICES — FALL/SPRING

ADMINISTRATION OF JUSTICE ACADEMY

Learn about our legal system including penal and vehicle code laws, patrol, interview, and arrest procedures, crime scene photography, evidence collection, and courtroom testimony. Classroom instruction along with role-playing scenarios and academy style training in physical fitness and agility prepares students for a law enforcement academy, explorer program, or a career related to public services or the administration of justice system and for further training at post-secondary institutions in the public services area.

DAY/TIME	DURATION	LOCATION	INSTRUCTOR	HOURS
Saturday 8:00AM - 4:00PM	**FALL 2026** 9/12/26 - 12/16/26 **SPRING 2027** 1/16/27 - 5/12/27	Whittier High School , Cafeteria	Captain Todd (Lead)	**102**

Some Wednesday classes will be required. Dates TBD

PREREQUISITE: Open to **all** high school students.

FIRE SCIENCE

This course introduces students to fire science and the fire service as a career pathway within the Public Services industry sector. Students learn the history, structure, and role of modern all-risk firefighting. Instruction includes fire behavior, fire chemistry and physics, structural firefighting tactics, fire apparatus and equipment, building construction, hazardous materials, and emergency medical response. Emphasis is placed on occupational safety, personal protective equipment, communications, and the Incident Command System. Students explore career opportunities in public and private fire protection and develop foundational skills for postsecondary fire science programs and fire service training.

DAY/TIME	DURATION	LOCATION	INSTRUCTOR	HOURS
COMING SOON	COMING SOON	COMING SOON	COMING SOON	COMING SOON

Scan to view courses!

2026 - 2027 Community-Based Classes

Open to **ADULTS Only**
(Transportation Not Provided)

www.tricitiesrop.org

ADULTS/SATURDAY CLASS

Adult Students

HEALTH SCIENCE & MEDICAL TECHNOLOGY — FALL/SPRING

CNA Continuing Education Units
$50 per class

Our CNA Continuing Education Unit classes are for those that already have their CNA certification and need to renew it. Class topics range from nutrition, vital signs, emergency procedures, and more. Successful completion of each class provides 4 hours of CEU credit. For specific classes and dates, as well as to register for the class, please visit our website.

DAY/TIME	DATES	LOCATION	INSTRUCTOR	HOURS
Saturday 8:00AM - 12:00PM	See website for dates and details	Pioneer High School, ROP Dental Room	Mr. Farol	**4** hours of CEU's per class

PREREQUISITE: Bring your CNA Certification and Picture I.D. to every class.

ADULTS/WEEKDAYS CLASS

DENTAL ASSISTANT

Prepare for employment as a chair-side dental assistant. Learn to provide preventive, supportive, restorative, and interceptive services for patients and related office and laboratory procedures. Students who successfully complete the program will earn Radiation Safety, Infection Control, and HIPAA Certificates recognized by the Dental Board of California. Includes American Heart CPR training. Students must participate in work-based learning in a dental office to complete course. For more information, please visit our website.

*Student Externship, Location & Time: TBD by Instructor

DAY/TIME	DURATION	LOCATION	INSTRUCTOR	HOURS
***FALL 2026** 8/24/26 - 12/16/26 **M - TH** 9:30 - 2:30 PM	***SPRING 2027** 2/2/27-5/19/27 **M - TH** 9:30 - 2:30PM	Pioneer High School, ROP Dental Room	Mr. Chavez	**320** instruction & externship

PREREQUISITE: Negative TB Test, current influenza and Hep B vaccinations and COVID-19 protocols. All students are required to have a valid CA ID & SS card.

NURSE ASSISTANT PRE-CERTIFICATION

Prepare to take the California Department of Public Health State Exam to become a licensed CNA. Learn patient care, infection control, observation, and communication skills with an emphasis on caring for the geriatric resident in a long-term care facility. Clinical site training is a requirement for this class. For more information, please visit our website.

*Student Externship, Location & Time: TBD by Instructor

DAY/TIME	DURATION	LOCATION	INSTRUCTOR	HOURS
***FALL 2026** 9/1/26 - 11/18/26 **M - TH** 1:00 - 5:00PM	***SPRING 2027** 2/3/27-4/29/27 **M - TH** 1:00 - 5:00PM	El Rancho Education Center Room 9	Mr. Farol	**160**

PREREQUISITE: Negative TB Test, current influenza and Hep B vaccinations and COVID-19 protocols. Background check will be given. All students are required to have a valid CA ID & SS card.

*All Adult Course registration can be done on our website:
https://adults.tricitiesrop.org

CALIFORNA HIGH SCHOOL

Shana Jones, Principal
Damaris Flores Donate, Assistant Principal of Curriculum
Aaron Downing, Assistant Principal of Guidance

California High School

Building and Construction Trades

Course #	Cabinetry, Millwork, and Woodworking Pathway (120)	Instructor	Period
TCROP: 69012 WUHSD: 8104	Carpentry (g)	Lee O-102	2,3,5,6
TCROP: 69013 WUHSD: 8105	Woodworking Machine Operation (g)	Lee O-102	4

Health Science and Medical Technology

Course #	Patient Care Pathway (198)	Instructor	Period
TCROP: 63003 WUHSD: 8042	Foundations in Health Science (g)	Gutierrez Q-7	3,5
TCROP: 63051 WUHSD: 8049A2	Emergency Medicine (g)	Gutierrez Q-7	1,2
TCROP: 63010 WUHSD:8028A2	Nurse Assistant Pre-Certification	Farol Q-1	3,4
TCROP: 63060 WUHSD: 8013	Sports Medicine (g Honors)	Gutierrez Q-7	0

Hospitality, Tourism, and Recreation

Course #	Food Service and Hospitality Pathway (201)	Instructor	Period
TCROP: 64030 WUHSD: 8050	Foods & Hospitality (g)	Ruiz A-2	2

Public Service

Course #	Public Safety Pathway (232)	Instructor	Period
TCROP: 67032 WUHSD: 8114	Forensic Science (g)	Forse I-2	2,3,5,6
TCROP: 67030 WUHSD: 8116	Administration of Justice (g Honors)	Forse I-2	4

Transportation

Course #	Systems Diagnostics and Service Pathway (221)	Instructor	Period
TCROP: 67027 WUHSD: 8040	ASE Certification	Buttinelli N-10 & Q-5	Afterschool
TCROP: 67020 WUHSD: 8044	Automotive Technology I (g)	Buttinelli N-10 & Q-5	1,2,3
TCROP: 67025 WUHSD: 8043A4 & 8045A4	Automotive Technology II (g Honors)	Buttinelli N-10 & Q-5	4,5,6

EL RANCHO HIGH SCHOOL

Kendal Goyenaga, Principal
Kathryn Adame, Assistant Principal of Curriculum & Instruction
Marla Diaz, Assistant Principal of Guidance

Agriculture and Natural Resources

Course #	Animal Science Pathway (103)	Instructor	Period
TCROP: 61011 ERUSD: SC448	Veterinary Assistant I (g)	Gomez EREC 7	2,3,4,5,6

Building and Construction Trades

Course #	Residential and Commercial Construction Pathway (123)	Instructor	Period
TCROP: 69010 ERUSD: AT510	Construction Technology I (g)	Jennrich X-7 & X-8	1,2,5
TCROP: 69011 ERUSD: AT511	Construction Technology II (g)	Jennrich X-7 & X-8	3,4

Health Science and Medical Technology

Course #	Patient Care Pathway (198)	Instructor	Period
TCROP: 63003 ERUSD: SC447	Foundations in Health Science (g)	McCaw Y-3	2,3,4,5,6
TCROP: 63010 ERUSD: SC466B	Nurse Assistant Pre-Certification	Brown EREC 10	5,6
TCROP: 63003 ERUSD: SC444	Medical Core (g)	Ross Sp Med Rm	1,3,4
TCROP: 63060 ERUSD: AT418	Sports Medicine I (g Honors)	Ross Sp Med Rm	2,5
TCROP: 63061 ERUSD: AT419	Sports Medicine II (g)	Ross Sp Med Rm	2

Hospitality, Tourism, and Recreation

Course #	Food Service and Hospitality Pathway (201)	Instructor	Period
TCROP: 64033 ERUSD: AT500	Culinary Arts I (f)	Luna Q-4	4,5,6
TCROP: 64035 ERUSD: AT501	Culinary Arts II (f)	Luna Q-4	2
TCROP: 64036 ERUSD: AT503	International Cuisine (g)	Luna Q-4	3

LA SERNA HIGH SCHOOL

Sam Sanford, Interim Principal
Lillia Vasquez, Assistant Principal of Curriculum
Steven Feng, Assistant Principal of Guidance

Arts, Media, and Entertainment

Course #	Production and Managerial Arts Pathway (113)	Instructor	Period
TCROP: 999902 WUHSD: 8084	Commercial Photography (f)	Fox L-102	2
TCROP: 61030 WUHSD: 8012	Video Production I (f)	Knaak N-100	5
TCROP: 61031 WUHSD: 8011	Video Production II (f)	Knaak N-100	3

Health Science and Medical Technology

Course #	Patient Care Pathway (198)	Instructor	Period
TCROP: 63060 WUHSD: 8124	Terminology of Sports Medicine (g)	Abell K-105	4
TCROP: 63003 WUHSD: 8042	Medical Core (g)	Abernathy R-101	2,3,4
TCROP: 63051 WUHSD: 8101	Emergency Medicine (g)	Abernathy R-101	1

Public Services

Course #	Public Safety Pathway (232)	Instructor	Period
TCROP: 67032 WUHSD: 8114	Forensic Science (d)	Lewis R-103	1,2,3,4,6
TCROP: 67030 WUHSD: 8116	Administration of Justice (g Honors)	Lewis R-103	5

PIONEER HIGH SCHOOL

Mary Chapman, Principal
Xavier Diaz, Assistant Principal of Curriculum
Marvin Jacobo, Assistant Principal of Guidance

Arts, Media, and Entertainment

Course #	Design, Visual, and Media Arts Pathway (111)	Instructor	Period
TCROP: 67015 WUHSD: 8075	Digital Design I (f)	Hernandez L-13	2,4,6
TCROP: 67016 WUHSD: 8079	Digital Design II (f)	Hernandez L-13	2,3,5

Building and Construction Trades

Course #	Residential and Commercial Construction Pathway (123)	Instructor	Period
TCROP: 69010 WUHSD: 8039	Construction Technology I (g)	Ortiz L-12	2,3,4,6
TCROP: 69011 WUHSD: 8092	Construction Technology II (g)	Ortiz L-5	5

Business and Finance

Course #	Business Management Pathway (182)	Instructor	Period
TCROP: 62044 WUHSD: 8122	Business Management I (g)	Mojica E-2	1,2,3,4
TCROP: 62045 WUHSD: 8126	Business Management II (g)	Mojica E-2	5

Health Science and Medical Technology

Course #	Patient Care Pathway (198)	Instructor	Period
TCROP: 63003 WUHSD: 8042	Medical Core (g)	Padilla D-11	1,2,3,4
TCROP: 63045 WUHSD: 8048	Medical Assistant (g)	Padilla D-11	4,5

SANTA FE HIGH SCHOOL

Craig Campbell, Principal
Griselda Castro, Assistant Principal of Curriculum
Paul Wise, Assistant Principal of Guidance

Santa Fe High School

Education, Child Development, and Family Services

Course #	Education Pathway (132)	Instructor	Period
TCROP: 67030 WUHSD: 8072	Careers in Education I (g)	Andrade J-7	4
TCROP: 61072 WUHSD: 8010	Careers in Education II (g)	Andrade J-7	2

Manufacturing and Product Development

Course #	Product Innovation and Design (216)	Instructor	Period
TCROP: 67001 WUHSD: 2052A3	Production Management I	Wegman R-5	2,3,5

Health Science and Medical Technology

Course #	Patient Care Pathway (198)	Instructor	Period
TCROP: 63001 WUHSD: 8042	Medical Core (g)	Blake D2	1,3,5
TCROP: 63045 WUHSD: 8048	Medical Assistant (g)	Blake D2	2,4

Public Services

Course #	Public Safety Pathway (232)	Instructor	Period
TCROP: 67032 WUHSD: 8114	Forensic Science (d)	Cabral B-2	0,1,4,5
TCROP: 67030 WUHSD: 8116	Administration of Justice (g Honors)	Cabral B-2	2

Multiple Industry Sector

Course #	Multiple Industry Sector (999)	Instructor	Period
TCROP: 62060 WUHSD: 8066	Career Planning and Management	Andrade J-7	6

WHITTIER HIGH SCHOOL

Andres Favela, Principal
Allison Huntley, Assistant Principal of Curriculum
Alecia Gonzales, Assistant Principal of Guidance

Arts, Media, and Entertainment

Course #	Production and Managerial Arts Pathway (113)	Instructor	Period
TCROP: 61030 WUHSD: 8012	Video Production I* (f)	Khamis H-13	1,2,3,4
TCROP: 61031 WUHSD: 8011	Video Production II (f)	Khamis H-13	4

*This course requires outside activities (TBD) as arranged by instructor equivalent to 1 period/day

Engineering and Architecture

Course #	Engineering Technology Pathway (153)	Instructor	Period
TCROP: 67081 WUHSD: 3281	CAT 2 - Engineering Design Cardinal Academy of Technology	Swanson W-1	2,6
TCROP: 67084 WUHSD: 3282	CAT 3 - Mechatronics Cardinal Academy of Technology	Swanson W-1	5

Health Science and Medical Technology

Course #	Patient Care Pathway (198)	Instructor	Period
TCROP: 63003 WUHSD: 8042	Medical Core (g)	Grant Q-5	2,3,5,6
TCROP: 63060 WUHSD: 8013	Sports Medicine (g Honors)	Grant Q-5	4

Hospitality, Tourism, and Recreation

Course #	Food Service and Hospitality Pathway (201)	Instructor	Period
TCROP: 64033 WUHSD: 3037	Culinary Arts I (f)	Martinez MN-2	1,4,5,6
TCROP: 64035 WUHSD: 3040	Culinary Arts II (f)	Martinez MN-2	2,3

Transportation

Course #	Systems Diagnostics and Service Pathway (221)	Instructor	Period
TCROP: 67020 WUHSD: 8044	Automotive Technology I (g)	Miranda S-1	1,2,5,6
TCROP: 67025 WUHSD: 8006	Automotive Technology II (g Honors)	Miranda S-1	3,4

RUBEN SALAZAR HIGH SCHOOL

David Sermeno, Principal
Arianne Martinez, Counselor

Health Science and Medical Technology

Course #	Mental and Behavioral Health Pathway(195)	Instructor	Period
TCROP: 63201 ERUSD: AT524	Mental Health Careers I	Castro 29	2,3,4
Course #	**Patient Care Pathway (198)**	**Instructor**	**Period**
TCROP: 63003 ERUSD: SC444	Medical Core (g)	Castro 29	1,6

"Prepares Students for College AND Careers"

1. Agriculture and Natural Resources

Course #	Animal Science Pathway (103)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 61011 ERUSD: SC448	Veterinary Assistant I	7141	g	10	180	Con	N	N

2. Arts, Media, and Entertainment

Course #	Graphic Design (Sub-Pathway 111A)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 67015 WUHSD: 8075	Digital Design I (111A)	7211	f	10	180	Con	N	Y
TCROP: 67016 WUHSD: 8070	Digital Design II (111A)	7212	f	10	180	Cap	N	Y
Course #	**Film /Video Production (Sub-Pathway 113B)**	**CALPADS**	**UCOP**	**Credits**	**Hours**	**Des**	**Cert**	**Artic.**
TCROP: 999902 WUHSD: 8084	ROP Commercial Photography (113B)	7243	f	10	180	Intro	N	Y
TCROP: 61030 WUHSD: 8012	Video Production I (113B)	7244	f	10	180	Con	N	
TCROP: 61031 WUHSD: 8011	Video Production II (113B)	7245	f	10	180	Cap	N	

3. Building and Construction Trades

Course #	Residential and Commercial Construction Pathway (123)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 69010 WUHSD:8039 ERUSD: AT510	Construction Technology I	7341	g	10	180	Con	N	
TCROP: 69011 WUHSD: 8092 ERUSD: AT511A	Construction Technology II	7342	g	10	180	Cap	N	
Course #	**Cabinetry, Millwork, and Woodworking Pathway (120)**	**CALPADS**	**UCOP**	**Credits**	**Hours**	**Des**	**Cert**	**Artic.**
TCROP: 690012 WUHSD: 8104	Carpentry	7311	g	10	180	Con	N	
TCROP: 69013 WUHSD: 8105	Woodworking Machine Operation	7312	g	10	180	Cap	N	Y

4. Business and Finance

Course #	Business Management Pathway (182)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 62050 WUHSD: 8122	Business Management I	7410	g	10	180	Con	N	Y
TCROP: 62045 WUHSD: 8126	Business Management II	7412	g	10	180	Cap	N	Y

5. Education, Child Development, & Family Services

Course #	Education Pathway (132)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 67030 WUHSD: 8072	Careers in Education	7530	g	10	180	Con	N	
TCROP: 61072 WUHSD: 8010	Careers in Education II	7531	g	10	180	Cap	N	

Course Sequence

6. Engineering and Architecture

Course #	Engineering Technology Pathway (153)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 67081 WUHSD: 3281	Engineering Design - Cardinal Academy of Technology (CAT 2)	7720		10	180	Con	N	
TCROP: 67084 WUHSD: 3282	Mechatronics - Cardinal Academy of Technology (CAT 3)	7721		10	180	Cap	N	

7. Health Science and Medical Technology

Course #	Mental and Behavioral Health Pathway (195)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 63201 ERUSD: AT524	Mental Health Careers I	7961	g	10	180	Con	Y	
Course #	**Patient Care Pathway (198)**	**CALPADS**	**UCOP**	**Credits**	**Hours**	**Des**	**Cert**	**Artic.**
TCROP: 63100 WUHSD: 8005	Dental Assisting	7922	g	10	245	Cap	Y	
TCROP: 63051 WUHSD: 8101 ERUSD: SC445	Emergency Medicine	7922	g	10	180	Cap	Y	Y
TCROP: 63003 WUHSD: 8041A2 ERUSD: SC447	Foundations in Health Science	7921	g	10	180	Con	N	Y
TCROP: 63045 WUHSD: 8048	Medical Assistant	7922	g	10	180	Cap	Y	Y
TCROP: 63001 ERUSD: SC444 WUHSD: 8042	Medical Core	7921	g	10	180	Con	N	Y
TCROP: 63010 WUHSD: 8027 ERUSD: SC466	Nurse Assistant Pre-Certification	7922		10	160	Cap	Y	
TCROP: 63060 WUHSD: 8013 ERUSD: AT418	Sports Medicine	7922	g (Honors)	10	180	Cap	Y	Y
TCROP: 63061 ERUSD: AT419A	Sports Medicine II	7922	g	10	180	Cap	Y	
TCROP: 63060 WUHSD: 8124	Terminology for Sports Medicine	7921	g	10	180	Con	N	N

8. Hospitality, Tourism, and Recreation

Course #	Food Service and Hospitality Pathway (201)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 64033 ERUSD: AT500 WUHSD: 3037	Culinary Arts I	8020	f	10	180	Con		Y
TCROP: 64035 ERUSD: AT501 WUHSD: 3040	Culinary Arts II	8021	f	10	180	Cap	Y	Y
TCROP: 64030 WUHSD: 8050A5	Foods & Hospitality	8021	g	10	180	Cap	Y	Y
TCROP: 64036 ERUSD: AT503	International Cuisine	8021	g	10	180	Cap		

9. Marketing Sales and Services

Course #	Multiple Pathways (999)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 62100 ERUSD: AT407	Marketing Sales and Service	8300		5	90	Con	N	Y

10. Manufacturing and Product Development

Course #	Product Innovation and Design Pathway (216)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 67001 WUHSD: 2052A3	Production Management I	8200	g	10	180	Intro	N	N

11. Public Services

Course #	Emergency Response Pathway (233)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 67032 WUHSD: 8114	Fire Science I	8421		10	180	Con	N	N
TCROP: 67032 WUHSD: 8114	Fire Science II	8422		10	180	Cap	N	N
Course #	**Public Safery Pathway (232)**	**CALPADS**	**UCOP**	**Credits**	**Hours**	**Des**	**Cert**	**Artic.**
TCROP: 67032 WUHSD: 8114	Forensic Science	8412	d	10	180	Con	N	Y
TCROP: 67030 WUHSD: 8116	Administration of Justice	8411	g (Honors)	10	180	Cap	N	Y
TCROP: 67031 WUHSD: 8051	Administration of Justice Academy	8412		5	102	Cap	N	N

12. Transportation

Course #	Systems Diagnostics and Service Pathway (221)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 67024 WUHSD: 8118	Alternative Fuels I	8531		10	180	Con		
TCROP: 67029 WUHSD: 8120	Alternative Fuels II	8532		10	180	Cap		
TCROP: 67020 WUHSD: 8044/A4	Automotive Technology I	8531	g	10	180	Con	Y	Y
TCROP: 67025 WUHSD: 8043/A4 WUHSD: 8006	Automotive Technology II	8532	g (Honors)	10	180	Cap	Y	Y
TCROP: 67031 WUHSD: 8051	ASE Certification	8532		20	360	Cap	Y	
TCROP: 67024 WUHSD: 8107	Electronics in Automotive	8531		10	180	Con	N	

13. Multiple Industry Sectors

Course #	Multiple Industry Sector (999)	CALPADS	UCOP	Credits	Hours	Des	Cert	Artic.
TCROP: 62060 WUHSD: 8066	Career Planning & Management	7000		10	180	Exp.	N	

Course Sequence

What Is Articulation?

Articulation (Community College Credit) is defined as a planned process linking two or more education systems to assist students in making a smooth transition from the secondary level of occupational or academic training to the two-year and four-year post secondary level without experiencing a delay of duplication of learning. Articulation is envisioned as a continuum of skills which may lead to advanced placement and students being able to receive college credit for articulated high school classes.

"Prepares Students for College AND Careers"

Agriculture and Natural Sciences

Veterinary Assistant I

YL UC

Prerequisites: None
Description: Veterinarian Assistant focuses on the duties and responsibilities of being a vet assistant as well as job opportunities in the field of veterinary assistant. The human-animal bond and ethical issues are introduced to the student. This course provides students with the basic understanding of operations in a clinical setting in addition to office and managerial duties of technicians such as scheduling, ordering, inventory control, teamwork dynamics, and compassion fatigue. Students will also learn the anatomy and physiology of animal science.

Veterinary Assistant II (g Honors)

YL AC UC

Prerequisites: Successful completion of Vetrinary Assistant I
Description: This competency-based course prepares students for entry-level positions in the animal health care industry. Topics include assisting the veterinarian, veterinary reception, animal care, handling, medical and surgical procedures, diseases, lab work, x-ray, medical terminology, small animal structure and pharmacology. Students will be given the opportunity to participate in an externship for additional hands-on training.

Arts, Media, and Entertainment

Commercial Photography (f)

YL UC

Prerequisites: None
Description: Students will learn the world of Commercial Photography through lecture and guest speakers. Students will be exposed to photographers working in, and photographic works demonstrating various strands of Commercial Photography such as: advertising, architecural and interior, event, fashion, food, journalism, portrait, product and sports photography. Students will discuss and evaluate, how history, culture, and technology have influenced Commercial Photography.



Digital Design I (f)

YL AC UC

Prerequisites: None. This course fulfills district "Digital Literacy" requirements.
Description: Digital Design I students learn the skills needed to develop a broad perspective of art, design, communication theory, processes and tools and their applications in Digital Design. Students will apply design elements and principles to projects such as print media publications and digital media. Students will also explore the trends in the global field of design and its application in print, product, and environmental realms. Students will understand the impact of the arts and design throughout history, various cultures and theory such as elements and principles of design to enhance their artistic vision and style. Through design projects, students will develop problem-solving skills, artistic perception, critical thinking, and self-reflection. Learning and using current versions of industry-standard software and programs will provide students with a professional environment and the associated responsibilities as graphic designers. Digital Design I also includes the history and developments of major industry processes, printing, application, layout, and design as it pertains to a variety of substrates; environmental considerations and restrictions.

Digital Design II (f)

YL AC UC

Prerequisites: Successful completion of Digital Design I with a 70% or better is required. This course fulfills district "Digital Literacy".
Description: Digital Design II builds on the knowledge and skills gained in Digital Design I. Students will participate in groups, think analytically, and create digital design products. Through hands-on and performance-based assignments and strategies, students develop industry-related foundational and advanced concepts and skills such as understanding the processes and systems common to careers in visual and image analysis, publishing, printing, and other forms of media distribution as well as the pathway to pursue employment, certification, or post-secondary degree in the field of digital arts, advertising design, and marketing. Students will engage in contemporary and historical practices in the creative field through a series of personal and creative activities, as well as develop an understanding of the cognitive marketing and branding solution for a given product, whether it is a commodity, a political idea, an instrument of social change, or an effort to recruit patronage or participation.

COURSE DESCRIPTIONS

Arts, Media, and Entertainment - *cont.*

Video Production I (f)

YL UC

Prerequisites: None. This course fulfills district "Digital Literacy" requirements.
Description: Video Production I provides students with a project-based learning. Students will be provided with technical instruction and practical experiences for aspiring video and film makers in the production of film, video, and new media projects for business and entertainment. Students experience both the creative and technical aspects of filmmaking in conjunction with learning about historical and contemporary traditions and conventions. Students are instructed on the three stages of project creation. In pre-production, students learn the basic principles of story development, screenplay writing, storyboarding, scheduling, and budget planning. Instruction in the production stage includes basic visual composition, color theory, set up and operation of a camera, sound and lighting equipment. Students learn to use cutting-edge software applications for video and audio post-production. Mastering and delivery methods, in both traditional and new media, are explored.

Video Production II (f)

YL UC

Prerequisites: Successful completion of Video Production I with a 70% or better is required.
Description: Video Production II further builds on the knowledge gained in Video Production I. Students will complete hands-on training in filmmaking and advanced digital video skills. Emphasis will be placed on refining advanced skills and techniques including planning, producing, directing, editing, and performing for video. Team and individual productions will be created. Additionally, students will have opportunities to work with school teams, clubs, and industry professionals in order to produce work to specifications.





Building and Construction Trades

Carpentry (g)

YL

Prerequisites: None
Description: This competency-based course is the second in a sequence of three designed for carpentry. It provides students with technical instruction and practical experience in construction carpentry using sustainable and green technology. Instruction includes an introduction, workplace safely, reviews of resource management and employability skills, trade mathematics, the use/maintenance/storage of tools, and construction materials. Emphasis is placed on reading and interpreting plans, sketches, and blueprints, construction layout, floor and wall construction, exterior and interior finishes, and stair construction.

Construction Technology I (g)

YL UC

Prerequisites: None
Description: Construction Technology I provides instruction and training in construction and construction-related occupations, including construction, remodeling, and maintenance and repair of buildings and structures. Instructional and practical experience includes blueprint reading, basic plumbing, electrical, masonry, concrete, flooring, drywall, carpentry, insulation, exterior design, and roofing. Course instruction also includes the safe use of hand and power tools, installation of plumbing and electrical fixtures, the use of squaring and leveling tools, and safety and job-readiness training for entrance into the construction and construction-related occupations.

Construction Technology II (g)

YL UC

Prerequisites: Successful completion of Construction Technology I with a 70% or better is required.
Description: Construction Technology II provides further instruction and training in construction and construction-related occupations, remodeling, and maintenance and repair of buildings and structures. Instructional and practical experience includes blueprint reading, basic plumbing, electrical, masonry, concrete, flooring, drywall, carpentry, insulation, exterior design, and roofing. Course instruction also includes the safe use of hand and power tools, installation of plumbing and electrical fixtures, the use of squaring and leveling tools, and safety and job-readiness training for entrance into the construction and construction-related occupations.

Building and Construction Trades

Woodworking Machine Operation (g) YL AC UC

Prerequisites: None

Description: This competency-based course is the last in a sequence of three designed for carpentry. It provides students with technical instruction and practical experience in woodworking machine operation using sustainable and green technology. Instruction includes an introduction, workplace safety, reviews of resource management and employability skills, trade mathematics, the use/maintenance/storage of woodworking tools, machines, and equipment, an overview of the apprenticeship program, and basic entrepreneurial skills. Emphasis is placed on surface preparation, lacquer application, lamination construction, high-pressure laminations, estimation, and production techniques.

Business and Finance

Business Management I (g) YL AC UC

Prerequisites: None.

Description: Personal Finance introduces students to the financial world through the study of income and wealth; financial institutions, how businesses raise capital; and study key investment-related terms and concepts. Students learn the history of how banking practices evolved and how businesses operate, grow, and thrive in our ever-changing world. This course includes principles on how to make good personal financial decisions and will cover major functions of financial institutions. Related topics in this course include modern trends in the finance industry, credit functions, loan creation, debt collection, and stocks and bonds. Students will learn the importance of integrity and professional ethics in business relationships; and the tools effective leaders use to instill an ethical workplace culture.



Business Management II (g) YL AC UC

Prerequisites: Business Management II .

Description: The course offers students technical instruction and hands-on experience in fundamental business management. A significant emphasis is placed on building interpersonal, teamwork, and leadership skills necessary to function in multicultural business settings.

Students are prepared to: Select and apply the tools of technology as they relate to business decision making; Communicate effectively as writers, listeners, and speakers in social and business settings; Become entrepreneurs by drawing from their general understanding of all aspects of business; Participate in business transactions in both the domestic and international arenas; Gain career awareness and related skills to enable students to make viable career choices and become employable in a variety of business careers.

The course is a simulated program that is set up to be hands-on with real life activities and an entrepreneurship group project. All business ideas are set up and run by students to prepare them for business ownership. The students determine the nature of their business, its products and services, its management and structure and the daily operation under the guidance of an instructor with the support of local business owners.



Education, Child Development & Family Services

Careers in Education I (g)

YL UC

Prerequisites: None.
Description: Careers in Education prepares students for professional or learning support positions in education, prekindergarten through grade twelve. Students study human development; standards, regulations, and codes; positive guidance and counseling techniques; age-appropriate and grade-appropriate learning strategies; learning theories; and standards-based curriculum and instructional design.

Careers in Education II (g)

YL UC

Prerequisites: Careers in Education I
Description: This capstone course, Careers in Education II, builds on the content of the concentrator course Careers in Education I and is the final course in the education sequence. It provides instruction and training in education and related occupations from preschool through grade twelve. Students will explore human development, standards, regulations, and codes; positive guidance and counseling techniques; age-appropriate and grade-appropriate learning strategies; learning theories; and standards-based curriculum and instructional design. Through hands-on activities, students will gain practical experience in preparation for working in education. They will have opportunities to apply and practice their knowledge and skills at various elementary and secondary education sites, including preschool programs.

Engineering and Architecture

Cardinal Academy of Technology 2 (CAT2) - Engineering Design (g)

YL UC

Prerequisites: None
Description: CAT2 - Engineering Design is a course in the Cardinal Academy of Technology that utilizes engineering design and prototyping in the context of product development, and further in the context of a product lifecycle from its inception until it is ready to be mass manufactured. Relationships between the field of mathematics, science, mechanical design, and technology will be explored. The goal of this course is to get students interested in pursuing a field of study in STEAM upon graduating from high school. The class is designed to introduce students to basic concepts, or advanced, depending upon their levels of expertise, in prototyping, 3-D modeling and printing, CNC manufacturing, graphic design, laser-cutting, and engineering design process from beginning to end. The class will give students the opportunity to work individually and in groups while completing lab projects, while maintaining a digital portfolio and communicating both in-person and virtually. It will also reinforce and improve their reading, writing, listening, and oral presentation skills.

Cardinal Academy of Technology 3 (CAT3) - Mechatronics (g)

YL UC

Prerequisites: Successful completion of CAT2 – Design Process is recommended.
Description: Mechatronic is a course using the Arduino platform and associated hardware. Relationships between the field of mathematics, science (physics and electrical circuits), mechanical design, and technology will be explored. The goal of this course is to get students interested in pursuing a field of study in STEAM upon graduating from high school. The class is designed to introduce students to basic concepts, or advanced, depending upon their levels of expertise, in robotics, electrical engineering, and mechanical engineering. The class will give students the opportunity to work individually and in groups while completing lab projects.

Health Science and Medical Technology

Dental Assisting

YL

Prerequisites: Successful completion of Medical Core with a 75% or better is recommended.
Description: Dental Assisting is a foundation course that prepares individuals to assist the dentist in the delivery of dental treatment and to function as an integral member of the dental healthcare team while performing chairside assisting and related office and laboratory procedures. The course will combine classroom theory with lab and clinical practice to teach dental terminology, dental science, chairside procedures, and radiology. Students who successfully complete the program will earn a Radiation Safety Certificate and an Infection Control Certificate recognized by the Dental Board of California. Course includes American Heart Association CPR training.

Emergency Medicine (g)

YL AC UC

Prerequisites: Successful completion of Medical Terminology with 80% or better is required.
Description: This competency-based course is designed to prepare students for entry-level positions into the health care industry. This course provides students with a comprehensive understanding of anatomy, physiology, and pathophysiology of the human body. These concepts are solidifying the foundational knowledge for specific medical emergencies. The course also gives students a genuine context for the application of the knowledge used to help patients in the field. The course begins with basic knowledge of anatomy and physiology, first aid, CPR, and safety practices and ends with a thorough understanding of medical emergencies. The course presents the tools for students to understand the importance of prehospital care and delivers a thorough understanding of the proper use of medical equipment necessary to provide appropriate care.

Health Science and Medical Technology- *cont.*

Foundations in Health Science (g) YL AC UC

Prerequisites: This is the prerequisite course to all Medical Capstone classes.
Description: Foundations in Health Science is designed to give students an overview into the health science and medical technologies industry and the various careers within the industry. Students will gain strong foundational knowledge in body systems, anatomy, physiology, medical math, and terminology. Other topics covered include infection control, nutrition, legal and ethical principles, and safety/first aid. This is a required introductory course that can lead to other medical pathway courses offered.

Medical Assistant (g) YL AC UC

Prerequisites: Successful completion of Medical Core with 80% or better is required.
Description: This year long course is designed to prepare students for work in direct patient care. Students will learn and practice skills required for Medical Assistants through core curriculum and simulated clinical exercises, including the ability to prepare patients for examinations, treatments, perform a variety of standard laboratory procedures, assist with minor surgical procedures, and maintain patient health records. As students' progress through the course, they will also develop their expository reading and writing skills as identified in the College and Career Readiness Common Core Anchor Standards that are necessary for college and career success. The goals for all students involve mastery of both the theoretical basis for working in a medical environment as well as for the clinical/administrative competence to perform patient care tasks.

Medical Core (g) YL AC UC

Prerequisites: This is the prerequisite course to all Medical Capstone classes.
Description: Medical Core is designed to give students an overview into the health science and medical technologies industry and the various careers within the industry. Students will gain strong foundational knowledge in body systems, anatomy, physiology, medical math, and terminology. Other topics covered include infection control, nutrition, legal and ethical principles, and safety/first aid. This is a required introductory course that can lead to other medical pathway courses offered.



Mental Health Careers YL

Prerequisites: None
Description: A mental health professional is a health care practitioner or community services provider who offers services for the purpose of improving an individual's mental health or treating mental disorders, They assist with the delivery of appropriate quality treatment to patients with behavioral health concerns, psychological crises, and other biopsychological problems. This course introduces students to the field of mental health, mental health issues/dissorders among sub-groups, and the various occupational options available to those interested in pursuing a career in the field of mental health.

Nurse Assistant - Pre-Certification YL

Prerequisites: Approval to enroll is required. Successful completion of Medical Core with a 70% or better is required. Prior to Clinical Training: Social Security card, Negative TB tests (2), Flu vaccination, Health Exam form, and a clear background history (no convictions).
Description: The Nursing Assistant course prepares students to take the California Department of Public Health State Exam. Students will learn patient care, infection control, observation, and communication skills with an emphasis on caring for the geriatric resident in a long-term care facility. Integrated throughout the course are career preparation standards that include basic academic skills, interpersonal skills, problem solving, safety, and technology. Clinical site training is a requirement of this class and is available to eligible students.

Sports Medicine (g) YL AC UC

Prerequisites: Successful completion of Medical Core with a 70% or better is required.
Description: Sports Medicine I will engage students in an in-depth study of whole body anatomy and physiology as a basis for understanding the processes involved in injury treatment, management, and healing. Technical instruction includes orientation, safety and infection control, communication and interpersonal skills, academic proficiency, and employability skills. Emphasis is placed on: ethical and legal considerations, pharmacology, sports and therapeutic equipment, nutrition and weight management, physical fitness assessment, physical conditioning, emergency preparedness and assessment, infection control, vital signs assessment, basic life support, injuries to the tissues, injuries to the head and spine, injuries to the chest and abdomen, environmental conditions, medical conditions, taping and wrapping, therapeutic modalities and physical rehabilitation. Hands-on laboratory experiences are an integral part of the course. This course provides students with an opportunity to learn the human anatomy and physiology through the eyes of a sports medicine professional. By using sports and athletics as a vehicle to teach the structure and function of the human body students are better able to identify with the material being taught.

Health Science and Medical Technology -*cont.*

Sports Medicine II (g)

YL UC

Prerequisites: Successful completion of Medical Core with a 70% or better is required.
Description: Sports Medicine II builds on the knowledge and skills gained through Sports Medicine I and prepares the student for entry-level employment or further post-secondary training in the field of Sports Medicine. Students acquire advanced practical concepts of training room development, risk management, administrative and legal issues, and prevention, care, and treatment of athletic injuries. Further knowledge and skills related to body conditioning, nutrition, use of protective equipment, and awareness of environmental issues are incorporated. On-the-field and off-the-field assessment, prevention, and treatment of acute and on-acute injuries following standard precautions build students' experience during practical application.

Terminology for Sports Medicine (g)

YL UC

Prerequisites: None
Description: Terminology for Sports Medicine is a comprehensive course designed to provide students with a thorough understanding of the specialized field of sports medicine and its diverse career opportunities. Throughout this course, students will develop a strong foundational knowledge of human body systems, anatomy, physiology, medical calculations, and terminology, all tailored specifically to the context of sports medicine. Various essential topics in the realm of sports medicine will be covered, including infection control measures, nutritional considerations for athletes, legal and ethical principles relevant to sports healthcare, and safety protocols, including first aid techniques.

Hospitality, Tourism, and Recreation

Culinary Arts I (f)

YL AC UC

Prerequisites: None.
Description: Culinary Arts I is a course designed to introduce students to fundamental food preparation terms, concepts and methods in Culinary Arts where laboratory practice will parallel class work. Fundamental techniques, skills and terminology are covered and mastered with an emphasis on basic kitchen and safety, sanitation, equipment maintenance and operation procedures. Course also provides an overview of the professionalism in the culinary industry and career opportunities leading into a career pathway to Culinary Arts. Obtaining a CA Food Handler's Permit will be required.

Culinary Arts II (f)

YL AC UC

Prerequisites: Successful completion of ROP Culinary Arts I with 80% or better and have a CA Food Handler's Card is required.
Description: Culinary Arts II is the next course following Culinary I. The focus is centered on management skills, marketing, advance presentations, menu development, hospitality. The student advances training in kitchen safety and sanitation practices, food terminology and proper measuring while demonstrating more advanced food preparation techniques. Students demonstrate the ability to create a recipe and adjust the yield, also able to explain the benefits of eating a variety of foods from each recommended food group. Students will participate in the planning, costing, preparation, serving, storage and critique of meals in project based learning.

Foods and Hospitality (g)

YL AC UC

Prerequisites: WUHSD: Participation in the Hospitality House Academy at California High School. Negative TB test.
Description: Foods and Hospitality is designed to prepare students for entry level employment in hospitality and food service careers through exploring industry and its relationship to travel and tourism. Students will learn laws and regulations; safety and emergency procedures; sanitation and food handling; banquet operations, facilities management; event planning, customer service and guest relations; food and beverage production, preparation and service; sales and marketing strategies; costing and cost analysis; and entrepreneurship.

International Cuisine (g)

YL UC

Prerequisites: Successful completion of ROP Culinary Arts I with 80% or better and CA Food Handler's Card is required.
Description: International Cuisine is the advanced course in a comprehensive standards-based culinary arts sequence. This course focuses on understanding the differences and commonalities we have with other cultures around the world. A common denominator in studying world cultures is cuisine. In studying the cuisines of a people or a region, we learn about a country's geography and climate, traditions, taboos, and social mores, unique conditions caused by environment of a food supply, pressures on a population to trade, export, import, permit a closed or open society, and cultural values. Students will acquire a greater understanding of their world and the cultural diversity that exists in their own community.



Manufacturing & Product Development

Production Development & Manufacture I YL UC

Prerequisites: None
Description: Production Development and Manufacture I introduces students to product development as a complete discipline, the structures journey from human need to product delivery. Students learn the phases that every product moved through: discovery, ideation, design, prototyping, refinement, and delivery. Through hands-on project sequences, students develop foundational competencies in each phase, supported by vector and parametric design tools, laser fabrication, computer-controlled routing, additive manufacturing, and direct-to-substrate digital printing. Design thinking serves as the working methodology throughout. Students develop habits of iteration, documentation, and reflection that establish their identity as product developers, not merely operators of equipment. materials literacy, sustainability awareness, and the basic mathematics of small-batch production build the foundation for the Concentration course, Product Development and Manufacture II.

Public Services

Administration of Justice (g) YL AC UC

Prerequisites: None.
Description: Administration of Justice is designed to expose students to occupations within the criminal justice system and prepare students for college-level criminal justice coursework. Students will explore the criminal justice system through the study of the causes of crime, the U.S. legal system, the organization and role of law enforcement, the judicial system, corrections, and juvenile justice.

Administration of Justice Academy YL

Prerequisites: Completed or Currently enrolled in an Administration of Justice or Forensic Science class. Completion of physical fitness exam signed by medical doctor with no restrictions (by week two).
Description: This Administration of Justice Academy course is designed to provide the student classroom instruction, role-playing scenarios, and physical fitness training to prepare them for a law enforcement academy, explorer program, or a career in/or relating to public services or the administration of justice system. This course also prepares students for further training at post-secondary institutions in the public services areas.

Fire Science YL

Prerequisites: None
Description: This course introduces you to all aspects of fire behavior and fire science, including combustion, hazardous materials, fuels, and extinguishing agents. You will gain practical hands-on experience with fire apparatus, tools, and equiment, e.g., hoses and nozzles, ladders, pumps, and personal protective equipment. Students learn about fire apparatus, tools and equipment, hoses and nozzles, ladders, pumps, and personal protective equipment. Students participate in training in first aid, CPR and rescue practices.

Forensic Science (d) YL AC UC

Prerequisites: None. Recommended: 11th or 12th grade, ROP Administration of Justice.
Description: Forensic Science is designed to give students both theory and hands-on experience in the skills and knowledge required of a forensic crime scene investigator. Included will be an introduction to crime scene investigation, crime scene photography and diagrams as they are used in a criminal investigation. Also included is the importance of physical evidence in solving crimes, dusting and lifting fingerprints, rolling a 10- print fingerprint card, how to perform a gunshot residue test, methods for collecting and processing various types of evidence and the use of forensic light source technology in crime scene investigations. Emphasized throughout the course is the importance of effective communication and interpersonal skills, professional development, strong academic skills, problem-solving, safety and the use of technology. Academics is an integral part of this course, English, writing and higher level mathematics is emphasized. Integrated throughout the course are Common Core State Standards and Career Technical Education Standards, which include safety, communication, technology, ethics, career planning and other employability skills.



Transportation

Alternative Fuels I YL

Prerequisites: None
Description: Alternative Fuels is a concentrator course that exposes students to the world of alterative fuels industry. Learning areas of this course consist of history of fuels, diesel and biodiesel, gasoline and ethanol, LNG, CNG, propane, Fuel Cell, hybrid, and electric vehicles.

Alternative Fuels II YL

Prerequisites: Successful completion of ROP Alternative Fuels I with 70% or better
Description: Alternative Fuels builds the student's knowledge gained in Alternative Fuels I and further enhances their entry-level skill training in hybrid and electric vehicles. Learning areas include high voltage systems, safety, electrical tools, electrical circuits and diagrams, electrical systems and troubleshooting, computerized engine controls and operation of special electronic testing equipment. Students who complete the 2-years become eligible to participate in community classrooms and may be placed with an Automotive Dealership as an intern.

ASE Certification YL

Prerequisites: Successful completion of Automotive Technology I and/or Automotive Technology II. Instructor approval needed to enroll.
Description: The ASE Student Certification program is specially designed to evaluate and certify students who are near the end of their studies in the areas of Automotive Technology. The National Institute for Automotive Service Excellence (ASE) developed the exams in partnership with Automotive Youth Educational Systems (AYES), National Automotive Technicians Education Foundation (NATEF), and SkillsUSA. The testing program's independent assessment is a particularly valuable tool for instructors and administrators who are working to respond to today's increasing demands for measurable outcomes and accountability. For students, ASE Student Certification can be thought of as the first step in building a career as a service professional by providing them with their first industry-recognized certification through ASE.

Automotive Technology I (g) YL AC UC

Prerequisites: None.
Description: Automotive Technology I prepares students for employment where a broad skill set and general understanding of all automotive systems are required. Students will identify commonly used tools and equipment, know a variety of sources of service information, and perform basic vehicle service and maintenance related to engine performance, transmissions, suspension and steering, brakes, electrical/electronic systems, heating and air conditioning, and customer service procedures. There is an emphasis on safety in the workplace related to use of protective eye wear/clothing, general lab procedures, use of equipment and ventilation. Worksite learning is an optional component of this class and is available to eligible students.

Electronics in Automotive YL

Prerequisites: Successful completion of Automotive Technology I at 70% or better is required or approval by the instructor.
Description: Electronics in Automotive builds on the student's knowledge gained in Automotive Technology I and further enhances their entry-level skill training in electrical/electronic systems, related to engine performance. Learning areas also include safety, electrical tools, electrical circuits and diagrams, electrical systems and troubleshooting, computerized engine controls and Hybrid EV systems and operation of special electronic testing equipment. Students who complete the additional 2-years of Automotive Academy are eligible to participate in community classroom and may be placed with an Automotive Dealership as in intern.

Automotive Technology II (g) YL AC UC

Prerequisites: Successful completion of Automotive Technology I at 70% or better is required.
Description: Automotive Technology II builds on the student's knowledge gained in Automotive Technology I and further enhances their entry-level skill training in suspension and steering, electrical/electronic systems, brakes, and engine performance. Learning areas also include engine tune-up, tires, auto cooling, and operation of special electronic testing equipment. Students who complete the additional 2-years of Automotive Academy are eligible to participate in community classroom and may be placed with an Automotive Dealership as an intern.

Multiple Industry Sectors

Career Planning and Management YL

Prerequisites: None.
Description: Career Planning and Management is designed to assist student's transition from middle school to high school to post-secondary to career, explore education and career options and create SMART goals for their future. This class prepares students for a successful career by learning the skills needed, academically and socially, to succeed in high school and post-secondary education. Students will assess their personal learning styles and interests while exploring college and careers.





Educational Foundation

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Tri-Cities ROP Educational Foundation provides financial assistance and scholarships to Tri-Cities ROP students who are on their journey to finding success in both college AND career

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