



Southern California Regional Occupational Center

Discover your **Career Interests** at *SoCal ROC*

EXPLORE CAREER PATHWAYS

FIND YOUR CAREER INTERESTS

BUILD YOUR FUTURE

School of Art and Design

School of Engineering and Design

School of Finance and Business

School of Health Sciences

School of Public and Consumer Services

www.socalroc.com

The Southern California Regional Occupational Center (SoCal ROC) served as the model for the State of California when Regional Occupational Centers were founded in 1967. At that time, the centers were intended to provide training for trades in traditional occupational settings. With the 21st Century came new challenges and higher expectations for the work force. Today, the wage earner has to be more educated, more technically dependent, and more self-reliant than was his/her counterpart 48 years ago. Yet, the Southern California Regional Occupational Center has remained the model for the State through the development of innovative programs, a major emphasis upon technology, and an awareness that Career Technical Education (CTE) is for everyone, from the individual seeking to enter the job market with upgraded skills, to the college-prep student desiring greater academic challenge and the opportunity to apply knowledge learned.

SoCal ROC offers many CTE courses that are part of a sequential pathway in five career sectors:

- School of Art and Design
- School of Engineering and Design
- School of Finance and Business
- School of Health Sciences
- School of Public and Consumer Services

What is a Career Pathway? A career pathway is a coherent sequence of rigorous academic and technical courses that allows students to apply academics and develop technical skills in a curriculum area. Career pathways prepare students for successful completion of state academic and technical standards and more advanced postsecondary course work related to the career in which they are interested.

The California Career Technical Education framework recognizes fifteen sectors. SoCal ROC has identified five schools that encompass the pathways and courses.

SoCal ROC is part of the California public school system that provides Career Technical Education opportunities for high school and adult students. SoCal ROC offers 107 hands-on Career Technical Education courses within its 19 career pathways. Twenty-five courses are UC/CSU approved. Externship opportunities are available for some of the courses. All instructors possess a valid California Teaching Credential in Designated Subjects.

Build your future at SoCal ROC. What are your personal interests? Use this guide to explore Career Pathway opportunities that match your interests.

Check out additional online educational career resources including:

- www.cacareerzone.org
- www.whodouwant2b.com

Talk with a SoCal ROC Career Guidance Specialist to learn about courses and career pathways that match your interests.

For more information:

visit: www.socalroc.com

Contact: Rocio Pineda-Contreras,

SoCal ROC Career Guidance Specialist

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Why enroll in a CTE course?

- Explore career interests through course-work
- Discover career direction
- Earn credits toward high school diploma
- Upgrade workplace skills
- Receive job placement assistance
- Apply & reinforce academic skills
- Earn certificates of competency
- Upgrade skills, change careers, or prepare for re-entry to the workforce

SoCal ROC Career Pathways

School of Art and Design		School of Engineering and Design		
Career Pathway	Career Pathway	Career Pathway	Career Pathway	Career Pathway
Design, Visual, and Media Arts	Fashion Design and Merchandising	Architectural Design	Aviation, Aerospace, and Engineering Technology	Engineering and Design
<p>SoCal ROC Courses 3 D Character Design and Animation 3 D Digital Animation Adobe Suite-CS6 After Effects, Dreamweaver, Flash, Illustrator, Photoshop, InDesign Advanced Creature Sculpting for Games and Film Creature Sculpting for Games and Films Digital Photography Intro to Video Game Design Video Game Design: Characters and Special Effects</p> <p>2 YEAR COLLEGE Digital Arts Photography</p> <p>4 YEAR UNIVERSITY 3D Media Design Industrial Design Interior Design</p> <p>CAREERS Graphic Designer Artist Assistant Technical Illustrator Assistant Digital Graphic & Publication Assistant Digital Design Assistant Production Assistant Computer Programming Artist Advertisement Display Designer/Illustrator Photographer Sketch Artist Cartoonist Sculptor Animator Multi-media Artists Silkscreen Operator/Printer</p>	<p>SoCal ROC Courses Advanced Fashion Production Fashion Design Fashion Production</p> <p>2 YEAR COLLEGE Fashion/Costume Technician Fashion Design and Production Fashion Design and Merchandising Fashion Stylist</p> <p>4 YEAR UNIVERSITY Design Fashion Design Theatre-Technical: Scenery/Costume/Lighting</p> <p>CAREERS Tailor Pattern maker Designer Assistant Showroom Assistant Fashion Show Production</p>	<p>SoCal ROC Courses Aerospace Engineering Computer Aided Drafting (CAD) Basic/Advanced Civil Engineering/Architecture The Exciting World of Engineering</p> <p>2 YEAR COLLEGE Architecture CAD/Drafting</p> <p>4 YEAR UNIVERSITY Civil Engineering Engineering Engineering Technology Industrial Design</p> <p>CAREERS Drafter, Computer Assisted Civil Architectural/Engineering Civil Architectural/Technician Structural Engineering Electrical Engineering Engineering Technology Engineering and Environmental Technology Networking Engineering Electronic Technician Engineering Technician Landscape Architect Commercial and Industrial Designer Drafter Engineer Surveyor Cartographer Architect Structural Engineering Electrical Engineering Networking Engineering</p>	<p>SoCal ROC Courses Aerospace Engineering The Exciting World of Engineering</p> <p>2 YEAR COLLEGE Pre-Engineering</p> <p>4 YEAR UNIVERSITY Aerospace Engineering Engineering Engineering Technology Mechanical Engineering</p> <p>CAREERS Aerospace Engineering Aerospace Technician Structural Engineering Electrical Engineering Network Engineering Engineering and Environmental Technology Engineering Technology Pilot Aircraft Mechanic Air Traffic Controller</p>	<p>SoCal ROC Courses Aerospace Engineering Civil Engineering/Architecture The Exciting World of Engineering</p> <p>2 YEAR COLLEGE Pre-Engineering Electronics & Computer Hardware Technician Electronics Technology or Industrial Comp Control Technician</p> <p>4 YEAR UNIVERSITY Audio Engineering Civil Engineering Electrical Engineering Electronics Engineering Technology Engineering</p> <p>CAREERS Science Technician Electronics Test Helper Electronics Technician Apprentice Electronics Tester Electrician Maintenance Repairer Electronic Equipment Repairer Computer Software Engineer</p>

School of Engineering and Design			School of Finance and Business	
Career Pathway	Career Pathway	Career Pathway	Career Pathway	Career Pathway
Information Support and Services Networking	Residential and Commercial Construction	Transportation: Systems, Diagnostics, and Service	Business Management	Entrepreneurship/ Self Employment
<p>SoCal ROC Courses A+ Certification Cisco I, II, III, IV CompTIA Server+ Certification Computer Technician</p> <p>2 YEAR COLLEGE Computer Information Systems Computer Science Electronics & Computer: Hardware Technician/ Industrial Computer Control Technician</p> <p>4 YEAR UNIVERSITY Computer Engineering Computer Engineering Tech Computer Science Management Information Systems</p> <p>CAREERS Computer Repair Technician Microcomputer Support Specialist Desktop Support Trainee Help Desk Technician IT Technician Network Support Specialist Network Control Technician Network Specialist</p>	<p>SoCal ROC Courses HVAC (Heating, Ventilation, Air Conditioning) I, II Intro to Construction Careers (Electrical, Welding, Plumbing) Plumbing Residential Electrical Wiring Welding Modules I, II, III, IV</p> <p>2 YEAR COLLEGE Industrial Technology Air Conditioning & Refrigeration Construction Technology</p> <p>4 YEAR UNIVERSITY Heating, Ventilation & Air Conditioning</p> <p>CAREERS Carpenter Craftsman Contractor Plumber Plumber's Helper Service Technician Plumbing Sales Associate Maintenance Worker Air Conditioner Unit Tester Air Conditioner Installer Shop/Lab Technician- Air Conditioning Mechanic Appliance Repairer Appliance Servicer Air Conditioning Mechanic Household Appliance Installer Electrical- Appliance Repairer</p>	<p>SoCal ROC Courses Automotive Module I, II, III, IV Engine Performance</p> <p>2 YEAR COLLEGE Automotive Technology</p> <p>4 YEAR UNIVERSITY N/A</p> <p>CAREERS Transmission Technician Front-End Technician Brake Technician Wheel Alignment Technician Tire & Lube Servicer Automotive Technician Automotive Helper Tune-Up Technician Automotive Electrical Technician</p> <p>Welding and Materials Joining</p> <p>SoCal ROC Courses Welding Modules I, II, III, IV</p> <p>2 YEAR COLLEGE Welding</p> <p>4 YEAR UNIVERSITY N/A</p> <p>CAREERS ARC Welder TIG Welder MIG Welder</p>	<p>SoCal ROC Courses Administrative Office Assistant</p> <p>2 YEAR COLLEGE Office Systems Office Administration (Management Option)</p> <p>4 YEAR UNIVERSITY Business Administration</p> <p>CAREERS Office Clerk General Office Clerk Computer Office Clerk Clerical Technician Administrative Office Assistant Office Assistant Computer Office Assistant Clerical Office Technician Administrative Support</p>	<p>SoCal ROC Courses Business Entrepreneur</p> <p>2 YEAR COLLEGE Business Administration Business Management Retail Management Marketing Distribution Digital Arts: Web Design Option Economics</p> <p>4 YEAR UNIVERSITY Management Marketing Operations Management Entrepreneurship Finance</p> <p>CAREERS Small Business Owner Internet Marketing Assistant Assist. Manager Customer Service Assistant Department Manager Assistant Merchandise Manager Entrepreneur Management Trainee Technical Illustrator Online Marketer</p>

School of Health Sciences				
Career Pathway	Career Pathway	Career Pathway	Career Pathway	Career Pathway
Financial Services	Animal Science	Education	Patient Care	
<p>SoCal ROC Courses Banking and Financial Services Computer Accounting Computer Applications Modules (Access, Excel, PowerPoint, and Word) Principles of Law and Business Quickbooks</p> <p>2 YEAR COLLEGE Accounting Office Systems Office Administration (Management Optional)</p> <p>4 YEAR UNIVERSITY Business Administration</p> <p>CAREERS Accounts Payable/Receivables Clerk Accounting Clerk Bookkeeper General Office Assistant Cashier Accounts Supervisor/Manager Computerized Bookkeeper Full Charge Bookkeeper Accounts Payable Clerk Payroll Clerk Collection Clerk Office Clerk Office Assistant Computer Operator Clerk Administrative Assistant Computer Operator Clerk Customer Service Representative/Teller Merchant/Teller General Bank Reconciliation Clerk New Account Representative/Personal Banker Financial Services Proof Operator</p>	<p>SoCal ROC Courses Intro to Pharmacy Technician Pet Health and Grooming Veterinary Assistant Veterinary Science</p> <p>2 YEAR COLLEGE Biology</p> <p>4 YEAR UNIVERSITY Marine Biology Zoology Biology</p> <p>CAREERS Pet Groomer Veterinary Assistant Animal Scientist Preparation for Advanced Study in Veterinary Assistant</p>	<p>SoCal ROC Courses American Sign Language I/II Developmental Psychology of Children Early Childhood Education: Curriculum, Instruction, and Assessment Early Childhood Education: Professionalism and Leadership</p> <p>2 YEAR COLLEGE Special Education Assistant Sign Language Interpreter Training Early Childhood Education School-Age Child Care Child Development Admin. & Management Infant/Toddler Education Psychology</p> <p>4 YEAR UNIVERSITY Child Development and Family Studies Language, Speech and Hearing Liberal Studies</p> <p>CAREERS Single-Subject Studies Multiple-Subject Teacher Instructional Assistant Nursery School Attendant Teacher Assistant-Kindergarten/Elementary Interpreter - Deaf Day Care Attendant</p>	<p>SoCal ROC Courses Certified Medical Assistant Certified Nurse Assistant / Home Health Aide Clinical Medical Assisting Clinical Medical Assisting Module: Injection, EKG, CPX, EKG, Venipuncture, Medical Front Office Dental Assisting Dental Assisting-Career Preparation / Dental Assisting for High School Students Emergency Medical Technician Emergency Medical/First Responder Human Body Systems Intro to Pharmacy Technician Kinesiology/ Sports Medicine Medical Front Office Personal Fitness Trainer Pet Health and Grooming Pharmacy Technician Phlebotomy Physical Therapy Aide Principles of Biomedical Sciences Registered Dental Assisting (RDA) Veterinary Assistant Veterinary Science</p> <p>2 YEAR COLLEGE Lab Technician (Medical) School Health Clerk Nursing Pre-Nursing Pre-Medicine Respiratory Care Radiologic Tech Paramedical Tech Pre-Pharmacy</p>	<p>4 YEAR UNIVERSITY Fitness Registered Nurse Nursing Exercise Science Elementary School Physical Education Community Health Education Health Care Health Sciences Kinesiology School Health Education Sport Psychology & Coaching Athletic Training</p> <p>CAREERS Dental Assistant Dental Lab Assistant Dental Receptionist Dental X-ray Pharmacy Technician Pharmacy Tech. Assistant Pharmacy Front Counter Assistant First Aid Attendant Fitness Trainer Medical Assistant Medical Receptionist Receptionist File Clerk Appointment Clerk Health Care Professionals Home Health Aide Phlebotomist</p>

School of Public and Consumer Services				
Career Pathway	Career Pathway	Career Pathway	Career Pathway	Career Pathway
Healthcare Administrative Services	Food Service and Hospitality	Marketing and Professional Sales	Ornamental Horticulture	Personal Services
<p>SoCal ROC Courses Advanced Medical Coding Medical Insurance Billing</p> <p>2 YEAR COLLEGE School Health Clerk Pre-Nursing Pharmacy Medicine</p> <p>4 YEAR UNIVERSITY Health Care Administration</p> <p>CAREERS Medical Insurance Biller Medical Insurance Coder</p>	<p>SoCal ROC Courses Hotel/Restaurant Occupations I/II</p> <p>2 YEAR COLLEGE Retail Management Office Administration</p> <p>4 YEAR UNIVERSITY Food Service System Administration Marketing Business Administration Hospitality Food Service & Hotel Management</p> <p>CAREERS Pantry Helper Cafeteria Attendant Maintenance Helper Room/House Attendant Laundry Attendant Dining Room Server Guest Service Attendant Sales/Catering Clerk Banquet House Person Accounting Office Clerk Kitchen Helper Baker Helper Concierge Dishwasher Banquet Server Purchasing Clerk</p>	<p>SoCal ROC Courses Floral Design I/II Retail Occupations I/II</p> <p>2 YEAR COLLEGE Retail Management Marketing</p> <p>4 YEAR UNIVERSITY Marketing Business Administration</p> <p>CAREERS General Salesperson Shipping & Receiving Clerk Stock Clerk Cashier Recreation & Amusement Attendant Attendant Cosmetologist Hair Stylist Manicurist</p>	<p>SoCal ROC Courses Floral Design I/II Landscape/Nursery Careers I/II</p> <p>2 YEAR COLLEGE Environmental Horticulture</p> <p>4 YEAR UNIVERSITY Botany Ecology Environmental Science & Policy</p> <p>CAREERS Salesperson-Nursery Plant Production Technician Science Research Technician Landscape Groundskeeper Floral Designer Floral Assistant</p>	<p>SoCal ROC Courses Cosmetology Module I, II, III, IV, V, VI, VII, VIII</p> <p>2 YEAR COLLEGE Marketing Cosmetology</p> <p>4 YEAR UNIVERSITY Marketing Business Administration</p> <p>CAREERS Cosmetologist Hair Stylist Manicurist</p>

SCHOOL OF ART & DESIGN

3-D Character Design and Animation*
3D Digital Animation*
Adobe Suite-CS6 (After Effects, Dreamweaver, Flash, Illustrator, InDesign, and Photoshop)
Advanced Creature Sculpting for Games and Film*
Advanced Fashion Production
Creature Sculpting for Games and Film*
Digital Photography*
Fashion Design*
Fashion Design Production
Intro to Video Game Design
Video Game Design: Characters and Special Effects

SCHOOL OF ENGINEERING & DESIGN

A+ Certification
Aerospace Engineering*
Automotive Module I, II, III, IV
CISCO Networking Program I, II, III, IV
Civil Engineering/ Architecture*
CompTIA Server+ Certification
Computer Aided Drafting (Basic & Advanced)
Computer Technician
Engine Performance
HVAC (Heating, Ventilation, and Air Conditioning)
Intro to Construction Careers (Electrical and Welding)
Plumbing
Residential Electrical Wiring
The Exciting World of Engineering
Welding I, II, III, IV

SCHOOL OF FINANCE & BUSINESS

Administrative Office Assistant
Banking & Financial Services
Business Entrepreneur
Computer Accounting (Basic/Advanced)
Computer Applications Modules (Access, Excel, Word, and PowerPoint)
Payroll Accounting
Principles of Law and Business
Retail Occupations I/II◇

SCHOOL OF PUBLIC & CONSUMER SERVICES

Cosmetology Modules I, II, III, IV, V, VI, VII, VIII
Floral Design
Floral Design I/II ◇
Hotel/Restaurant Occupations
Hotel/Restaurant Occupations I/II ◇
Landscape/Nursery Careers I/II ◇

SCHOOL OF HEALTH SCIENCES

Advanced Medical Coding
American Sign Language I* /II*
Certified Medical Assistant (CMA)
Certified Nurse Assistant (CNA) / Home Health Aide
Clinical Medical Assisting
Clinical Medical Assisting Modules: EKG, CPX (Complete Physical Exam), Venipuncture, and Injections
Dental Assisting for Adults
Dental Assisting Career Preparation
Dental Assisting for High School Students
Developmental Psychology of Children*
Early Childhood Education: Curriculum, Instruction and Assessment
Early Childhood Education: Professionalism and Leadership
EKG/UA/Vital Signs
Emergency Medical/ First Responder
Emergency Medical Technician
Human Body Systems*
Introduction to ICD-10
Intro to Pharmacy Technician
Kinesiology/ Sports Medicine*
Medical Front Office
Medical Front Office Module
Medical Insurance Billing
Personal Fitness Trainer
Pet Health and Grooming
Pharmacy Technician
Physical Therapy Aide
Principles of Biomedical Sciences*
Registered Dental Assisting
Veterinary Assistant
Veterinary Science*

*Course is UC/CSU Approved

◇Course is for Transition Students only

Courses are open to our Joint Powers Authority (JPA) high school students without a fee. The following districts are within the JPA: El Segundo Unified School District, Inglewood Unified School District, Manhattan Beach Unified School District, Palos Verdes Peninsula Unified School District, Redondo Beach Unified School District, and Torrance Unified School District.

Adults are certainly welcome to take advantage of the multiple opportunities offered at the Center for retraining and exploring a new career interest. There is a designated fee for each course offered that adults are required to pay as part of the enrollment process.

SoCal ROC Board of Education

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Manhattan Beach Unified School District

Alice Grigsby, Vice President
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