

Santiago Canyon College

Fall 2007 • Volume 1 Issue 1

CareerFocus™

Mapping the Course to Careers in Surveying

See page 4

Revamp Your Resume

See page 3

Which Career Fits You?

Take the Quiz

See page 8

Teachers Touch the Future

Jumpstart Your Career as a Teacher

See page 6

CareerFocus

Rancho Santiago Community College District
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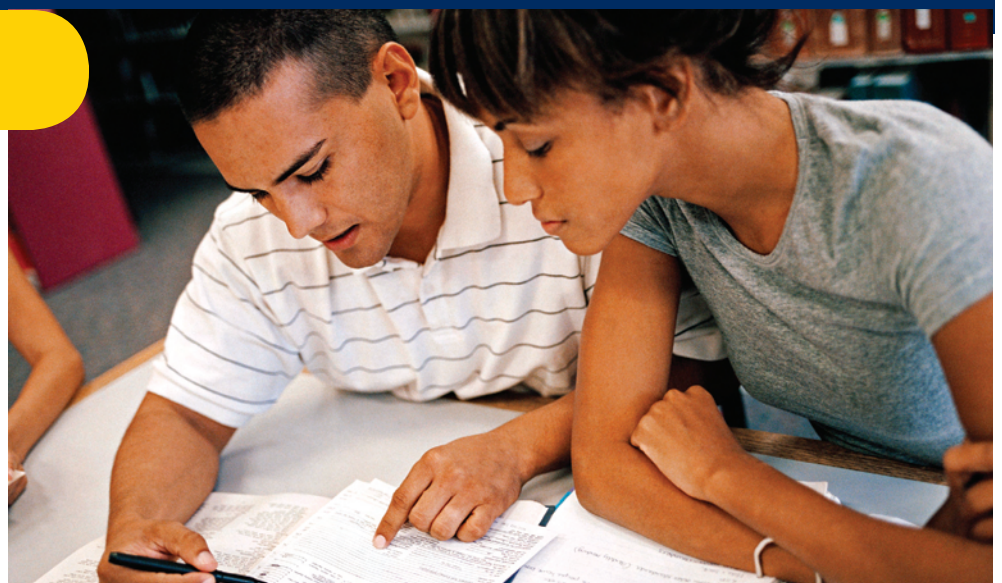
**Santiago Canyon College student,
Jessica Sarabia
Pathways to Teaching Program**

Santiago Canyon College

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CareerFocus™

Features

- 2 Top Occupations in Orange County**
- 3 Revamp Your Resume**
A few key changes can make a big difference.
- 4 Mapping the Course to Careers in Surveying**
- 6 Teachers Touch the Future**
- 8 Which Career Fits You?**
A simple self-assessment can help you start thinking about your options.
- 9 A Matter of Degrees**
SCC Programs from A to Z



Profiles

- 4 **JEANNETTE LINDEMANN**
Survey/Mapping Sciences Instructor
- 7 **JESSICA SARABIA**
SCC Student – Pathways to Teaching Program
- 7 **DAVID DONLEY**
SCC Student – Pathways to Teaching Program



On the cover:

Santiago Canyon College student Jessica Sarabia is enrolled in the Pathways to Teaching Program, which prepares students for a seamless transition to the university of their choice.



Facts & Finds

“Yes” to college; “Umm, not yet” to college savings

Most parents have a good idea how much college will cost for their kids and they expect to help foot the bill. That's the good news reported by a March 2006 Harris Interactive poll. The bad news is that many of them aren't actively saving enough to cover college expenses.

- Ninety-seven percent of parents expect their children will attend

college and 79 percent plan to pay for some or all of the expenses.

- Twenty-six percent of parents have saved less than \$5,000 for their child's college education and 32 percent have saved nothing.

- Sixty-nine percent of these parents think their child will probably receive scholarships or financial aid to help with the cost of college.

- Seventy-five percent of parents with children age 2-13 have some college savings as do 67 percent with children age 14-18, but only 46 percent with children under age two have begun to save for college. **CF**



Community colleges cost less

Tuition costs for students at community colleges are about a fourth as much as at public universities and a mere fraction of the cost of private universities.

According to www.collegefinancialaidguide.com, the average college tuition for public universities is \$5,090 per year for in-state residents. The average college tuition at private colleges and universities is about \$33,000 per year.

Compare that to the average full-time enrollment fees for a community college in California, which are only \$900 per year. Toss in another \$1,224 (average cost) for books and supplies and roughly \$738 for transportation. That brings the total enrollment-related expenses to \$2,862 per year. Why go anywhere else? **CF**

Facts AND Finds

Top Occupations in Orange County

By Judy Iannaccone

A June 2007 report produced by CCbenefits, Inc., with data by Economic Modeling Specialists, Inc., listed the projected fastest growing occupations in Orange County through 2014, as well as the highest paying occupations in the county.

According to the report produced for Rancho Santiago Community College District, careers with the highest-growth potential in Orange County through 2014 include those in sales and related fields, office and

I guess we'll just get a student loan

With the rising cost of college, it's probably no surprise that more students are borrowing to pay for their education. According to The Project on Student Debt, a non-profit advocacy group, the number of students turning to federal student loans is up, as is the amount of money they're borrowing.

- Today nearly two-thirds of students at four-year colleges and universities have student loan debt. In 1993, less than one-half of four-year graduates had student loan debt.

- Over the past decade, debt levels for graduates with student loans increased from \$9,250 to \$19,200. That's a 58 percent rise after accounting for inflation.
- Half of students who received federal student loans owe more than \$15,000.
- The percentage of students reporting that they would have borrowed less if they had to do it again increased from 31 percent in 1991, to 45 percent in 1997, to 54 percent in 2002. **CF**

administrative support, management occupations, food preparation and serving, business and financial operations, construction, healthcare, building and grounds maintenance, and computer and mathematical science occupations.

“Orange County continues to grow in service-based industries and occupations that support them,” said Edward Hernandez, Jr., Ed.D., chancellor, Rancho Santiago Community College District. “For people seeking careers with higher growth potential and

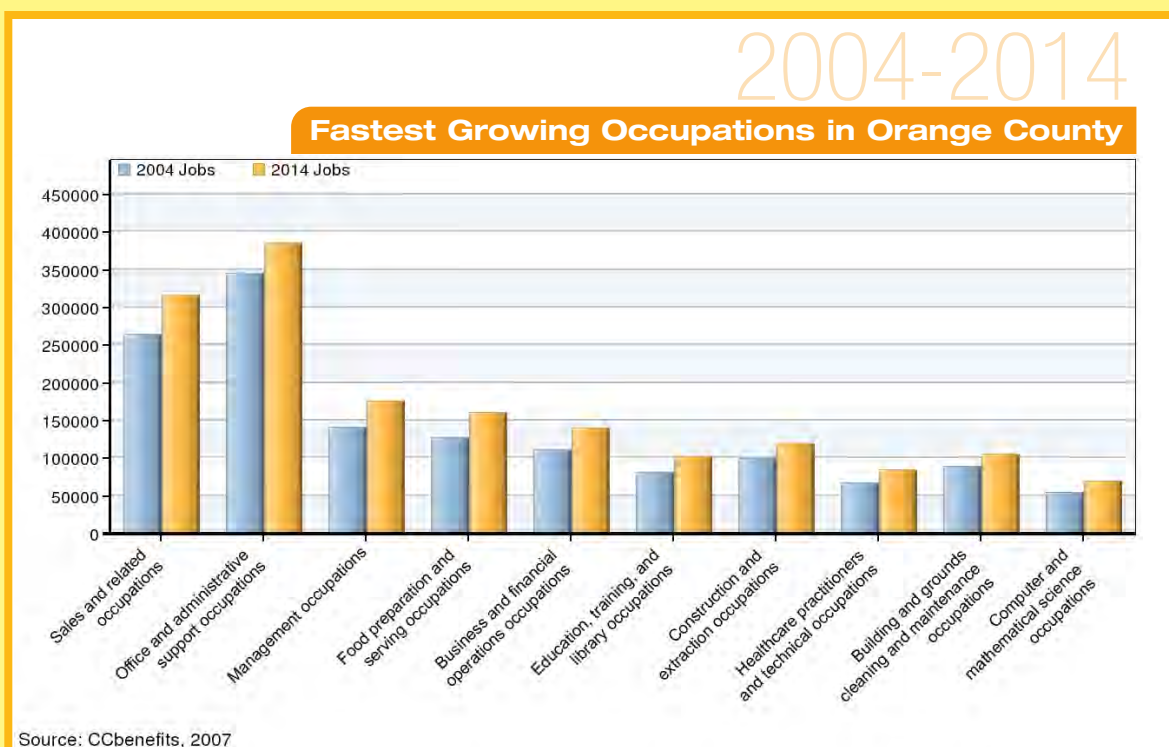
good earning power, post-secondary education is increasingly important. Community colleges provide opportunities for higher education and workforce training that is flexible, affordable, and convenient.”

With the largest group of retirees preparing to leave the workplace in U.S. history, the majority of the jobs created in Orange County will be replacement positions, according to the CCbenefits report. In sales and related occupations alone – the fastest-growing career listed in the study – an estimated 131,613 jobs are expected to open up by 2014, with 80,055 of them replacement jobs and 51,558 newly created positions.

Office and administrative support personnel positions were listed in the study as the second fastest-growing job area in Orange County. According to the report, an estimated 128,572 of these jobs will be needed through 2014, with 88,514 listed as replacement jobs and 40,058 as newly created positions.

Careers listed as having the highest-projected earning potential in Orange County over the next seven years are those in the legal occupations; management occupations; healthcare; architecture and engineering; computer and mathematical science occupations; life, physical and social science occupations; business and financial operations; and education, training and library occupations.

Legal careers were listed as having the highest potential earnings at \$42 per hour (approximately \$88,300 annually), with careers in management coming in second with projected earnings of \$39 per hour (\$81,916 annually). **CF**



While you might spend hours preparing your resume, an employer will probably spend less than a minute reviewing it.

By Amy Houts and Laura Lyjak

If you want to make a good impression your resume has to pack a punch. Smart resume writers know that they have to put the most important information right up front. They also know how to make effective use of fonts and white space, and they are careful to choose language that is clear and direct.

Increase impact

That's some of the good advice from Cindy Kenkel, an instructor in the marketing and management department at Northwest Missouri State University and the author of *Extreme Resume Makeover: The Ultimate Guide to Renovating Your Resume*. Kenkel has helped thousands of students rewrite their resumes using these guidelines.

Take a look at how Emma Detson improved her resume using these principles. Emma is a recent college graduate looking for a job in retail. Her first resume stated a generic objective, and used a single typeface throughout. It only skimmed the surface of her experience and came in at a lowly 175 words. Her changes not only resulted in a better resume, they resulted in a job offer that Emma was only too happy to accept.



R

evamp Your Resume

A few key changes
can make a
big difference

Although Emma's revised resume is easier to read, she was able to double the number of words on the page.

Get specific

"Gone are the days when you printed 50 identical resumes with a general objective," says Kenkel. Emma originally wrote an all-purpose objective stating her goal was "To obtain a position in merchandising." But employers want to know what position you're seeking. They want to know that you want to work for *them*. So, show that you have done your research and target your resume to the employer's needs.

A targeted objective is clear and direct. Emma's revised objective is, "To obtain a position in merchandising with Lane Bryant." She names the employer and she shows she's willing

to start as a sales associate and work up to a managerial position.

Emphasize your strengths

You increase the visual impact of your resume by using major headings such as Objective, Education, Work Experience, Activities, and Scholarships to group your skills and experiences. Although Emma used these categories in her first resume, she gave them new emphasis in her revision. Work Experience is usually the largest category and Emma lists her job titles in reverse chronological order, beginning with the most recent.

First, create visual interest

Notice how bland Emma's first resume is. That's because she used only one typeface. In her revision, she selected one typeface for headings and another for text. She also used different type sizes and highlighted important text with italics, boldface, underline, and capital letters.

By bolding headings and underlining subheadings, Emma divided her resume into clear sections and made it easier to read. And where she didn't put type was important too. By balancing white space and text, she allows readers to easily zero in on those accomplishments that interest them.

(Continued on page 4)

EMMA M. DETSON

123 Santiago Blvd., Villa Park, CA 92861
714-582-2761
emma@classicnet.com

OBJECTIVE To obtain a position in merchandising

EDUCATION B.S. Merchandising of Textiles, Apparel, and Furnishings
May 2006
Maple Woods Community College, Kansas City, MO
GPA 3.73/4.0

WORK EXPERIENCE Independent Beauty Consultant
Mary Kay - Dallas, TX
February 2005-Present

- Teach skin care
- Sell cosmetics
- Recruit new consultants

Summer Intern
KC Weddings - Kansas City, MO
Summer 2005

- Assisted editor
- Helped choose bridal gowns
- Wrote descriptions of the gowns chosen.
- Fashion show

Consumer Welcome
Aegis Communication Group - St. Joseph, MO
Summer 2004

- Customer service

EMMA M. DETSON

123 Santiago Blvd., Villa Park, CA 92861
714-582-2761
emma@classicnet.com

OBJECTIVE
To obtain a position in merchandising with Lane Bryant

EDUCATION

Bachelor of Science in Merchandising of Textiles, Apparel, and Furnishings May 2006
Minor: General Business GPA 3.73/4.0
Maple Woods Community College, Kansas City, Missouri

- Computer Skills: Microsoft Office User Specialist (MOUS) Certified in Word, Excel, and PowerPoint
- 100% of educational expenses self-funded through scholarships, grants, and employment
- Awarded Kappa Omicron Nu Undergraduate Research Paper Award for group undergraduate research project
- Academic Honor Roll (all semesters)

WORK EXPERIENCE

Independent Beauty Consultant, Mary Kay - Kansas City, Missouri
February 2005-Present

Teach skin care and use of cosmetics. Organize and sell retail inventory of approximately \$6,000 a year. Provide exceptional service to a growing customer base of 45. Recruit and assist in training of new consultants.

Summer Intern, *KC Weddings* Magazine - Kansas City, Missouri
Summer 2005

Assisted editor of *KC Weddings* magazine with administrative duties in fast-paced environment. Cooperated with bridal shop managers to choose over 150 gowns for the *KC Weddings* Bridal Spectacular's fashion shows. Accurately wrote descriptions of gowns chosen. Assisted fashion event planner to coordinate and execute the fashion shows.

Sales Associate, Lerner New York - St. Joseph, Missouri
Summer 2004

Provided assistance to customers purchasing women's clothing and accessories. Utilized visual merchandising techniques to create window displays and maintain store appearance. Practiced suggestive

R

evamp Your esume



A few key changes
can make a
big difference

(Continued from page 3)

Choose your words carefully

When it's time to add the details to each section of your resume, use powerful action verbs and specific information. In her revised resume, action verbs like "sold," "wrote" and "researched," make it clear what Emma's skills are, and they replace mushy words like "assisted," or "provided" in her original resume. These action verbs, combined with details, such as "create window displays" or "teach skin care" make for a strong impression.

Don't overlook the impact of keywords either. These are nouns or phrases that are specific to certain jobs or industries, and they help employers gauge an applicant's skills. In Emma's case, terms like retail inventory, event planner, customer service, merchandizing and window displays, clue employers that she's qualified for work in merchandizing and marketing. Keywords are often listed in job position announcements and job descriptions.

Show what you know

Be sure that you include transferable skills in your resume, too. These are skills that matter, no matter what the job. They "transfer" from one job to the next.

Examples are teamwork, communication, leadership, time management and work ethic. If you manage your time well at one job, you will manage your time well at another job. Emma's resume mentions "teaching" and "recruiting" as skills she can use at Lane Bryant, or any other business.

Finally, "End each job description with an accomplishment," says Kenkel. For example, under Sales Associate, Emma demonstrates she is a capable and competent employee by stating, "Consistently helped store achieve daily sales goals..." Other examples of accomplishment are: "Never missed a day of work," or "Demonstrated initiative by taking on management responsibilities."

Remember, your resume might be your one and only opportunity to make a good impression with an employer. You wouldn't think of going to a job interview without putting on your best suit and your brightest smile, right? Same with your resume. After all, it's your calling card; it's your foot in the door – and the better it looks, the better you look. **CF**

Mapping the Surveying, mapping

Imagine a job that enables you to work anywhere, outside or in an office, with a great starting salary and plenty of advancement opportunities. Sound appealing? If you have an aptitude for math and want a challenging career, surveying or engineering might be right for you. Land development in California is continuing at a rapid rate, and the state's aging infrastructure is due for an overhaul in the billions of dollars. The demand for entry-level surveyors and engineering, geographic information systems (GIS) and mapping technicians is higher than ever.

Many professionals in these fields are nearing retirement age. According to the State of California's Employment Development Department, the demand for surveyors will increase by 11 percent through 2010. The need for surveying and mapping technicians is even greater, with estimated growth of 28 percent by the end of the decade.

These are well paid positions for which you don't need a bachelor's degree. California's Employment Development Department's Occupational Guide lists the average surveyors' salary (in 2002) as \$58,707 per year, with survey/mapping technicians averaging \$45,407 per year. Surveyors may choose to pursue a bachelor's degree to become civil engineers.

What do surveyors and engineers do?

Surveyors, engineers, mapping technicians and related professions use surveying, engineering, and scientific data to determine and identify fixed points or boundaries, prepare maps, and provide information about the shape, contour, or dimension of land for construction, mining, land evaluation, and other purposes. Surveyors use GIS and GPS (global positioning systems) in their work, which may be done outdoors or in offices.

Jobs are plentiful in engineering, surveying, architectural, mining, and utility companies as well as federal, state and local government agencies. Professionals in these fields may work in the construction, mining and extraction, real estate sales, defense, and geological and geographical mapping industries. As a surveyor or engineering technician, you can choose to be self-employed (freelance or consultant) or work for a variety of companies.

How can I become a surveyor or engineer?

Santiago Canyon College offers both an associate degree and a certificate in survey/mapping sciences, one of only two comprehensive programs among Southern California community colleges. High

Faculty Profile

By AnnMarie Librescu
Jeannette Lindemann
Survey/Mapping Sciences Instructor

The outgoing president of the Society of Women Engineers is a role model for female students.

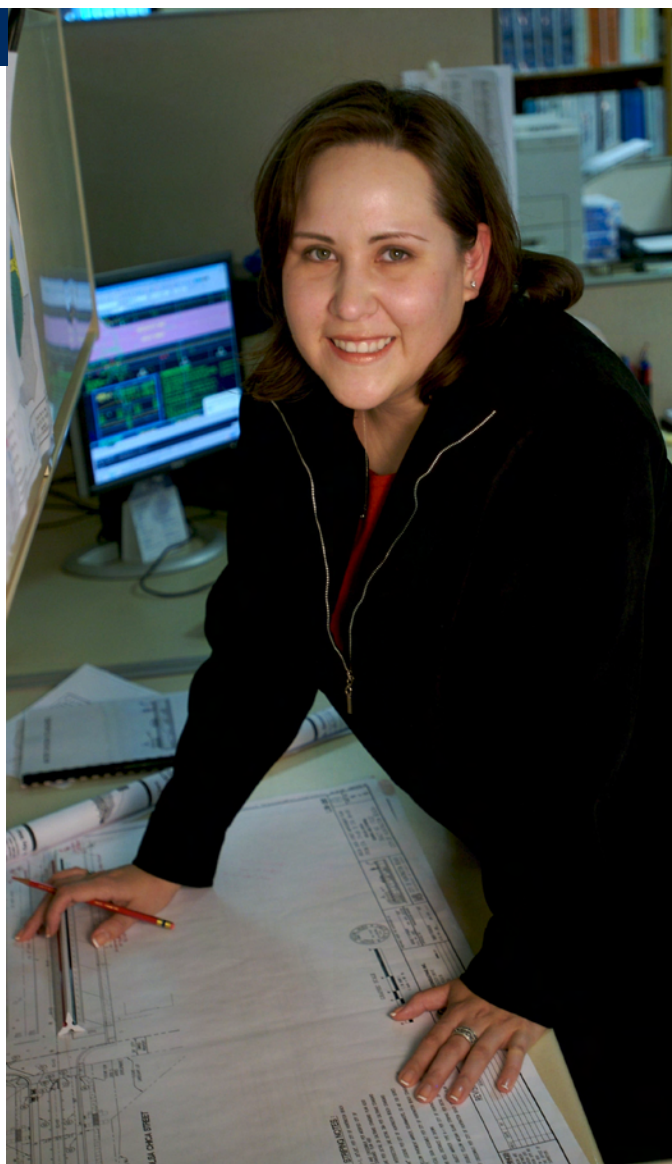
Jeannette Lindemann works as a senior engineering designer at Stantec in Irvine, a top global design firm. In the evenings, she teaches AutoCAD to surveying students at Santiago Canyon College. She's been passionate about engineering and related fields such as surveying since she was a high school student in North Dakota. Her uncle, a civil engineer, invited her to visit him on the construction job site where he was working, and she knew immediately that this was the career for her. Her father, an electrical engineer, encouraged her choice.

"I would advise anyone, especially women, to investigate careers in surveying and pre-engineering through Santiago Canyon College," Ms. Lindemann said. "These are high-demand jobs where working hard can lead to upward mobility."

Ms. Lindemann uses AutoCAD software to design improvement plans for roads, sewer and water lines for urban land development, including multi/single family dwellings and commercial properties.

When she's not working at Stantec or Santiago Canyon College, Ms. Lindemann is active in professional organizations, including the Society of Women Engineers (SWE) and the American Society of Civil Engineers. SWE actively encourages math and science education for girls in kindergarten through twelfth grades.

Ms. Lindemann holds a bachelor of science degree in civil engineering from North Dakota State University and a master of science degree in civil engineering from California State University, Fullerton. She lives in Irvine. **CF**



Course to Careers in Surveying

and engineering offer a world of opportunity

By AnnMarie Librescu

demand for these professions has led to student enrollment increases of over 200 percent in the past several years.

“We’re concentrating on training people for entry-level positions to meet the huge numbers that



will be needed over the next decade,” says Jeremy Evans, Santiago Canyon College’s Survey/Mapping Sciences program facilitator, who is also the vice president and technical director of surveying at Psomas in Costa Mesa. “Many employers in both the private and public sectors offer tuition reimbursement programs to help working professionals get the training they need to advance in their careers.”

The surveying/mapping sciences program provides an excellent foundation for anyone who wants to get started in engineering, surveying or mapping. Completing a certificate program of

just five classes (17 units) prepares you for entry-level employment. Many students get job offers after completing their first class! If you decide to pursue a civil engineering degree, the State Board of Registration for Professional Engineers and Land Surveyors grants one year of required work experience credit for students who complete an associate degree.

What will I learn in the program?

You’ll receive a combination of classroom instruction and hands-on training using the latest software technology, including ArcView 9.0, ArcGIS 9.0, Bentley InRoads/MicroStation, AutoCad and Microsoft Project. Field equipment used includes total stations, digital levels and GPS. Classes are taught by licensed surveyors and engineers who work in the fields that they teach.

Having a math aptitude is helpful, but what you need is taught in the program. Through classes and field/lab activities, you’ll learn everything necessary for the job.

How do I get started?

Consider taking the new Careers in Surveying class (SURV 098) to learn whether surveying is right for you. If so, you can register for Plane Surveying 118, the first course in the program series. Your math skills will be assessed and you’ll be assisted in catching up, if needed, to make sure you’re ready for the program.

Compared with four-year universities, Santiago Canyon College’s comprehensive survey and mapping sciences program is an excellent value at just \$20 per unit. Evening and Saturday classes are available to accommodate busy schedules. For more information call (714) 628-4883 or visit www.sccollege.edu/survey. **CF**



Teachers Touch

Santiago Canyon College jumpstarts your career as a teacher

By AnnMarie Librescu

Was there a great teacher in your life, someone who believed in you, inspired and encouraged you to reach your full potential? Many people planning to enter the vital and rewarding vocation of teaching can trace their motivation back to a special teacher who made a difference in their lives. That's what the very best teachers do.

Not only is teaching a great career with excellent benefits (including retirement, advancement opportunities, and summers off), it's also a high-demand field. Research

from the Rand Group indicates that approximately one-third of California's 300,000 current kindergarten through twelfth grade teachers are now age 50 or over. That means there will be many retirements over the next decade, and many positions will be available. According to the California Department of Education, 27,000 new teachers will be needed for the academic year beginning fall 2007. By 2014, that number will rise to 33,000.

Demand is especially high for teachers in certain subject areas, including science, math, and career technical education. To meet this need, Santiago Canyon College has been awarded a Career Technical Education Teacher Preparation Pipeline (CTE Teach)

grant effective June 1, 2007 in the amount of \$188,567 to recruit, enroll, and provide services to students interested in pursuing the survey/mapping profession and its teacher preparation pipeline. Surveying, mapping, geographic information systems (GIS) and related fields are growing rapidly. Career opportunities are abundant, including a high demand for teachers in these subject areas.

Students who want to teach in elementary and secondary schools (kindergarten through twelfth grade) may begin preparation at Santiago Canyon College, which offers lower division requirements for most majors currently acceptable for teacher

credential programs. The college offers a specialized program called Pathways to Teaching that is designed just for future teachers. Program staff work closely with students to support their educational efforts, and assist with successful transfer to one of the 50 colleges and universities in California that provide teacher credential programs (entered after completion of a bachelor's degree).

"The Pathways to Teaching Program offers many opportunities for future teachers," said Ruth Babeshoff, dean of counseling and student support services. "From selecting the right classes to test preparation, counseling and university transfer services, we do everything we can to help students be successful and reach their goals."

Pathways to Teaching students have opportunities to meet with university representatives (from California State University Fullerton, University of California, Irvine and many others) attend teacher conferences and mentor mixers, experience volunteer opportunities in the classroom and/or community fieldwork, and be part of the Teachers for Tomorrow Club (a chapter of the Student California Teachers Association). All students in the program also receive career resources, information about state standards for teacher preparation, a quarterly newsletter and regular e-mail updates.

For more information about teaching career preparation at Santiago Canyon College, please call the Pathways to Teaching Program at (714) 628-4797 or visit www.sccollege.edu/pathways. For more information about the CTE Teach program, an outstanding career opportunity, please contact Dr. Jennifer Coto at (714) 628-4798. **CF**



the Future

On the Path to Teaching

Specialized program helps guide future teachers By AnnMarie Librescu

When 19-year-old Orange resident Jessica Sarabia chose her career path, she thought of her fifth grade teacher, Mrs. Doesburg, at Sycamore Elementary School.

"I remember that grade so vividly," Jessica said. "Mrs. Doesburg saw something special in me and the other students in her class. I want to be like her, a teacher who brings out the best in every student."

After high school graduation, Jessica chose to attend Santiago Canyon College (SCC) because it was close to home and has a good reputation. It also offers the Pathways to Teaching program, designed to assist future teachers. Jessica said, "SCC's Pathways to Teaching program has given me a taste of what the job will be like, and it's strengthened my desire to teach."

Pathways students speak with program advisors regularly about which classes to take, which local universities have

teaching credential programs, and more. They also have the advantage of meeting other students who want to teach.

A second-year student at SCC, Jessica is well on her way to reaching her educational and career goals. She has maintained a 3.8 grade point average while working 20 hours per week as an aide in the Orange Unified School District after-school program. She is the president of The Teachers for Tomorrow student club and vice president of the Inter-Club Council. Through the college AmeriCorps program, she tutors first and second grade students in math and reading.

When she's completed requirements for her associate degree in liberal studies, Jessica plans to transfer to Chapman University and obtain her bachelor's and master's degrees there. "I wasn't ready to go straight from high school to a four-year university," Jessica said. "I didn't have the grades or the mindset. Now, thanks to SCC, I'm on my way to Chapman!" **CF**



Future Educator Chooses Learning Close to Home

Why a bigger school isn't always a better choice By AnnMarie Librescu

While a senior at El Modena High School in Orange, David Donley was accepted at three University of California campuses (Davis, Irvine, and Merced). Instead, he decided to complete his first two years at Santiago Canyon College for

a fraction of the cost. "I was a good student but wasn't sure what my major or future career would be," David said. "It just didn't make sense for me to go anywhere else."

During College Life 101, an activity for freshman, he learned about Santiago Canyon College's Pathways to Teaching program. Now 19 years old, David knows exactly what he wants to do. He's a young man with his future all mapped out. "First, I'd like to teach high school, then move on to teach history or political science at the community college level," David said. "Instructors at two-year schools are able to focus primarily on teaching students. At a four-year university, faculty have to concentrate on their research."

In 2008, David will complete two associate degrees, in history and liberal arts. He has been active in the college Teachers for Tomorrow student club, the Inter-Club Council, and has applied to the Tutoring Center for the fall semester to assist other students in English, history or political science. Despite his busy schedule, he's an honors student with a 4.0 grade point average. He plans to apply to University of California (UC), Los Angeles, UC Santa Barbara, and UC San Diego.

"My experience at Santiago Canyon College and the Pathways to Teaching program has been very good," David said. "My friends who went straight to UC campuses after high school always complain about the size of their classes, with 200-300 students. They don't get any personal attention as I do at Santiago Canyon College with its smaller classes. To me, the more closely you can interact with your teachers, the better your educational experience is going to be."

After graduating from the University of California, David wants to return to Orange County to teach. "Who knows," he said, "I might return to Santiago Canyon College some day!" **CF**

Which CAREER fits you?

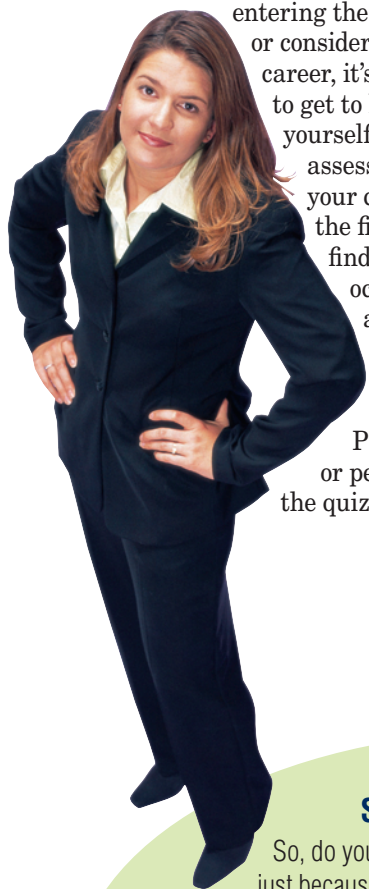
A simple self-assessment can help you start thinking about your options.

By Leslie Clark

Do you sometimes feel unsure about where your career plans are headed? If so, don't panic, because you are not alone. Many of us feel this way about our current jobs or job planning, and don't realize that there are ways to turn things around. In its annual Labor Day survey for 1999, the Gallup Poll indicated that over 50 percent of Americans are dissatisfied with their jobs. In another Gallup survey, two-thirds of a group of adults said if they were starting all over, they would try to get more information about their career options.

The first step: Self-assessment

Whether you're starting your first job, planning your career, re-entering the job market, or considering your next career, it's important to get to know yourself through self-assessment. Here's your chance to take the first step in finding out which occupations allow you to best use your strengths and talents. Pick up a pen or pencil and take the quiz right now.



Something to think about

So, do you need to run off and apply for medical school just because you scored high in the investigative section? Of course not. Quizzes like these are not designed to tell you exactly which job is right for you, but rather to get you thinking about your preferences. You should also look to see if you scored high in more than one section. There are many combinations and possibilities out there. This is only one of many career assessment tools available through bookstores, the Internet, and Santiago Canyon College. To truly get a full understanding of how to best plan the perfect career for you, make an appointment with the SCC Career Center by calling (714) 628-4805. **CF**

Directions: Check off the items you think you would enjoy in each section. Mark as many items that apply.

"R" Section

- Repair a car
- Do wood working
- Refinish furniture
- Explore a forest
- Arrest lawbreakers
- Plant a garden
- Build furniture
- Run a race
- Drive a truck

"A" Section

- Sing before the public
- Design clothing
- Decorate a home or office
- Direct a play
- Write a story or play
- Design a poster
- Create a sculpture
- Arrange flowers
- Make videos
- Act in a performance

"E" Section

- Sell cars
- Make a speech
- Be the boss of other workers
- Start a club
- Save money
- Sell things
- Lead a meeting
- Take charge of a project
- Sell magazines door to door

"I" Section

- Study causes of disease
- Do a science project
- Study human anatomy
- Study insects
- Research solutions to environmental problems
- Collect minerals and rocks
- Study the solar system
- Do math problems
- Talk to a scientist
- Study plants

"S" Section

- Teach children
- Care for a sick person
- Teach a friend
- Interview clients
- Help a person overcome difficulties
- Be a hospital volunteer
- Help a charity
- Make people laugh
- Baby-sit

"C" Section

- Keep detailed records
- Operate business machines
- Organize a work area
- Take telephone messages
- Attend to details
- Balance a budget
- Use a word processor
- Proofread a document
- Create a filing system

Now, go back to the sections. Add up how many boxes you checked in each section and fill in the totals for each in the space provided below.

Totals:

R _____
 I _____
 A _____
 S _____
 E _____
 C _____

What the letters mean

Each of these letters represents a personal interest category. The columns in which you have the most check marks show where your interests are the strongest. Listed below are some jobs related to each interest type.

Realistic Careers: Mechanic, fire fighter, police officer, forester, chef, carpenter, landscape architect, military, athletic trainer, engineer.

Investigative Careers: Biologist, psychologist, computer programmer, doctor, engineer, pharmacist, mathematician, dietician.

Artistic Careers: Artist, musician, novelist, photographer, lawyer, interior designer, television announcer, actor, disc jockey, art teacher, reporter, architect.

Social Careers: Social worker, counselor, teacher, nurse, minister, school administrator, occupational therapist.

Enterprising Careers: Business owner, manager, sales person, travel agent, public relations, personnel director, Realtor®, florist.

Conventional Careers: Accountant, secretary, banker, bookkeeper, math teacher, treasurer, surgical technologist, dental assistant.

Taken from The Career Interest Program Prentice-Hall, Inc. © 2001





A Matter Of Degrees

You've got options. At SCC you can get an education to fit your goals and your circumstances. With 69 certificate and degree programs as well as transfer agreements with four-year colleges in California, chances are you'll find the right fit. Here are a few options to consider:

- SCC offers 27 different certificate programs in everything from accounting to water utility science. Ranging from eight to 38 credits, these will get you ready for a new job within a year.
- Choose one of 42 associate degrees and begin your profession in two years.
- Investing two years in one of the many SCC transfer programs could save you at least \$6,000 on your four-year college degree.
- Need a career lift? A class or two might help. Six percent of SCC students already have four-year degrees. **CF**

Santiago Canyon College A-Z


What follows is an alphabetical listing of programs and areas of study offered by Santiago Canyon College. Call 714.628.4901 or visit SCC on the Web at www.sccollege.edu for more information.

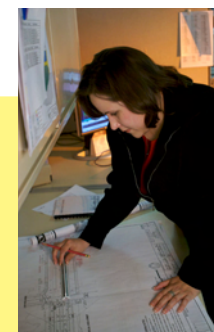
Area of Study	SCC Program		Job Titles/Orange County Median Earnings*
Accounting	A.A./A.S. Degree, Certificates: General or Computerized Accounting options	The associate degree and certificate prepare students for transfer to 4-year universities as well as entry-level and promotional opportunities in accounting, manufacturing, merchandising, financial service, wholesale trades, and government.	Accountants and Auditors (\$56,660), Bookkeeping, Accounting and Auditing Clerks (\$35,380), New Account Clerks (\$33,590)
			
Apprenticeship - Carpentry	<i>If you're interested in any of the following programs, please contact the SCC Apprenticeship Programs office at (714) 628-4888.</i>		
	Acoustical Tile A.A./A.S., Certificate	Prepares student for work in the carpentry trade with a thorough knowledge of acoustical ceilings, grids, prefab/sound panels, blueprints, and safety procedures. Successful completion may result in journeyworker status.	Carpenters (\$47,050)
	Concrete A.A./A.S., Certificate	Prepares students for work in the concrete trade with a thorough knowledge of foundations, flatwork, tilt-up, wall forms, patented forming systems, architectural concrete, column forms, beam and deck forms, stairs and ramp forms, bridge construction, welding and safety procedures. Successful completion may result in journeyworker status.	Cement Masons and Concrete Finishers (\$42,910)
	Drywall Finisher A.A./A.S., Certificate	Prepares students for work as drywall finishers with a thorough knowledge of blueprints, welding, hand and machine taping, gypsum board application, hand and machine tool finishing, steel stud framing, carpentry, and safety procedures. Successful completion may result in journeyworker status.	Drywall and Ceiling Tile Installers (\$42,350)
	Drywall/Lather A.A./A.S., Certificate	Prepares students for work in drywall/lathing with a thorough knowledge of basic lathing and structural framing (basic through advanced), blueprint reading, welding, and safety procedures. Successful completion may result in journeyworker status.	Drywall and Lathing Installers (\$42,350)
	Finish Carpentry A.A./A.S., Certificate	Prepares students for work as finish carpenters with a thorough knowledge of basic cabinetry and installation, store fixtures, residential/commercial molding, plastic laminates, stair trim, doors and hardware, locks, electrical security products, and safety procedures. Successful completion may result in journeyworker status.	Cabinetmakers and Bench Carpenters (\$32,900)
			

Area of Study	SCC Program		Job Titles/Orange County Median Earnings*
	Framing A.A./A.S., Certificate	Prepares students for work as framers with a thorough knowledge of wall, floor, roof, residential metal and commercial framing and safety procedures. Successful completion may result in journeyworker status.	Assemblers and Fabricators (\$25,830)
	Millwright A.A./A.S., Certificate	Prepares students for work as millwrights.	Millwrights (\$52,170)
	Plastering A.A./A.S., Certificate	Prepares students for work as plasterers with thorough knowledge of interior and ornamental plastering, basic wall layout, cut brick, blueprint reading and safety procedures. Successful completion will result in journeyworker status.	Plasterers and Stucco Masons (\$44,390)
	Pile Driver A.A./A.S., Certificate	Prepares student for work as pile drivers. Successful completion will result in journeyworker status.	Pile Driver Operators (\$67,560)
	Tilt-Up A.A./A.S., Certificate	Prepares students for construction careers involving building layout, slab and footings, hardware, tilt-up and panel layouts, detailing and construction, lifting, bracing and safety, pour-in-place wall forms, blueprint reading for carpenters, and concrete stair forms. Successful completion may result in journeyworker status.	Carpenters (\$47,050)
Apprenticeship - Electricity	Industrial A.A./A.S.: Power Lineman and Sound/Communication options Certificates: Power Lineman and Sound Communications options	Prepares students for careers in industrial electricity, working as inside wiremen. Successful completion may lead to state journeyworker status. This program meets the state requirements for electrician trainees.	Electrical Power-Line Installers and Repairers (\$52,230)
Apprenticeship - Maintenance Mechanic	A.A./A.S.: Maintenance Mechanic Apprenticeship I and II options Certificates: Maintenance Mechanic Apprentice I and II options		First-Line Supervisors/Managers of Mechanics, Installers and Repairers (\$57,700), Automotive Service Technicians and Mechanics (\$43,280)
Apprenticeship - Operating Engineers	Certificates: Heavy Duty Repairman, Heavy Equipment Operator, Inspection, and Rock Products Industry options		Construction and Building Inspectors (\$62,360), Operating Engineers and Other Construction Equipment Operators (\$61,440), First-Line Supervisors/Managers of Operating Workers (\$46,630), Mobile Heavy Equipment Mechanics (\$45,950)
Apprenticeship - Surveying			
Chainman	A.A./A.S., Certificate	Prepares students for careers in surveying, with training in labor relations, surveying computer skills, and standard first aid.	Surveying and Mapping Technicians (\$46,460)
Chief of Party	A.A./A.S., Certificate	The associate degree and certificate prepare students for career advancement in surveying. Combined with appropriate field experience, completion of the program may lead to employment as party chief and eventually to professional California State licensing as a land surveyor.	Surveyors (\$74,131)
Art - Graphic Design	A.A., Program A and B Degree Program A: Professional emphasis or transfer to art school Degree Program B: Transfer to state universities	Enter into the broad field of visual communication, including design for print media, advertising, architectural and environmental graphics, packaging, logos, corporate identity, the web and other electronic media. Prepares students for entry-level employment in advertising agencies, print houses, design studios, freelance work and related businesses. Also enables students to transfer to 4-year universities or professional art schools with a graphics design emphasis. Prepares student for transfer to state universities and study leading to a bachelor's degree. Completion of this associate degree also prepares students for entry-level careers in advertising, printing, design studios, freelance work and related businesses.	Media and Communication Workers (\$42,800) Graphic Designers (\$47,860)
			

Area of Study	SCC Program		Job Titles/Orange County Median Earnings*
Art - Digital Media Arts	A.A.	Merges graphic design and web design. Prepares students for transfer to 4-year universities and entry-level careers in advertising, printing, design studios, web production, freelance design and related fields.	
	Certificate A: Graphic design emphasis		
	Certificate B: Web design emphasis		
Art - Digital Media Arts	Certificate A: Graphic design emphasis	Gain thorough knowledge of typography, graphic design, drawing, digital design with Photoshop, digital publishing with InDesign, and digital illustration with Illustrator.	Graphic Designers (\$47,860)
Art - Digital Media Arts	Certificate B: Web design emphasis	Gain thorough knowledge of typography, graphic design and web concepts, digital design with Photoshop, digital illustration with Illustrator, web design with Flash and multimedia web applications.	Graphic Designers (\$47,860)
Business Administration	A.A./A.S.	The associate degree and certificate prepare students for transfer to 4-year universities and entry into careers in accounting, financial planning and analysis, financial services, management, marketing and sales, production and logistics, and systems and technology development.	Bookkeeping, Accounting and Auditing Clerks (\$37,860)
Business Applications and Technology	Certificate	The certificate is designed to prepare students for employment as administrative assistants, secretaries and office support staff in a variety of business offices including legal and international. Includes training in all phases of office work: keyboarding, office procedures, office administration, word processing, desktop publishing, business mathematics, office equipment and computer operations.	Executive Secretaries and Administrative Assistants (\$44,660)
Business Management	A.A./A.S.	The associate degree is designed to enable students to handle basic problems encountered in business management, including managing of marketing programs, decision making and problem solving, managing staff and understanding finance. Entry-level careers include management trainees and assistant managers/supervisors.	First-Line Supervisors/Office Managers (\$52,750)
Computer Information Systems	A.S., Certificates: Web Page Design and Web Programming options	The associate degree and certificate prepare students to write programs in Visual BASIC, C++ or Java, use data processing applications, and structure data for the computer. Completion of the program will enable students to transfer to 4-year universities and obtain entry-level employment as trainees in information systems, computer programming, networking and systems analysis.	Computer Programmers (\$72,200)
Computer Science	A.S., Certificate	The associate degree and certificate prepare students for entry-level employment as engineering aides, scientific computing technicians and junior programmers as well as transfer to 4-year universities.	Computer Support Specialists (\$50,690)
Cosmetology	A.A., Certificates: Barbering, Cosmetology, Cosmetician, Esthetician and Manicuring	The associate degree and certificate exceed minimum California State Board of Cosmetology standards. Teaching and laboratory instruction enable students to gain proficiencies in hairdressing, chemical waving and straightening, haircutting and shaping, hair coloring, scalp and hair treatments, facials, manicuring and operation of a beauty salon. Students may enroll at any time, year-round. For more information, please contact the SCC Apprenticeship Programs office at (714) 628-4888.	Skin Care Specialists (\$25,790), Hairdressers, Hairstylists and Cosmetologists (\$23,700)
Entrepreneurship	A.A./A.S., Certificate	The associate degree and certificate in entrepreneurship are designed to assist students in the skills necessary to open and operate a small business or to continue the pursuit of a bachelor's degree.	
Gemology	A.A./A.S., Certificate	The associate degree and certificate provide knowledge of diamonds and colored stones, including laboratory grading, identification and evaluation of gems. Students will be prepared to gain employment as jewelry appraisers, jewelry salespersons, jewelry buyers, jewelry wholesalers and laboratory gemologists.	Jewelers, Precious Stone and Metal Workers (\$36,050)
Human Development-Early Childhood	A.A./A.S., Certificates: Infant-Toddler, Preschool and School Age options	The early childhood program provides students with knowledge about the development of young children, and opportunities to learn ways to meet the emotional, physical, social and educational needs of children. Students will be prepared to transfer to 4-year universities and work directly with children as teachers in child care or preschool.	Child Care Workers (\$23,170)
Management	A.A., Certificates: Small Business, Supervision, Human Resources, Retail and Marketing options	The associate degree and certificate programs prepare students for entry-level management positions in business, government, and public organizations. The retail program is approved by the Western Association of Food Chains (W AFC) and is specially designed to prepare individuals for the fast-paced retail industry.	Managers (\$99,590)



Area of Study	SCC Program		Job Titles/Orange County Median Earnings*
Marketing	A.A./A.S., Certificates: General Marketing, Advertising, Professional Selling, and Retail Management options	The associate degree and certificate programs are designed to prepare students for various marketing, sales, and retail store management positions. Program content includes merchandise selection and purchase, advertising, sales, product distribution, customer relations, and pricing. Students may specialize in one of the option areas: general marketing, professional selling, advertising, or retail management.	Sales Representatives (\$62,700), Advertising Sales Agents (\$61,590), Managers of Retail Sales (\$41,040)
Modern Languages	A.A./A.S.	The associate degree is offered in French, Italian or Spanish and meets the needs of students who want to transfer to 4-year universities or achieve basic conversational ability in the chosen language.	Interpreters and Translators (\$42,000)
Public Works	A.A./A.S., Certificates: Public Works, Public Works Construction Inspection, and Public Works Supervisor options	The associate degree and certificate provide students with the skills and knowledge required for employment and promotion in the area of public works. This includes responsibility for construction and maintenance of transportation corridors and public structures, understanding of policies and practices along with attention to the needs of the community being served.	Construction and Building Inspectors (\$66,100)
Real Estate	A.A./A.S., Certificate	The associate degree and certificate are designed for those interested in careers as real estate salespersons, brokers, appraisers, mortgage brokers, property managers, title officers, developers and government employees. The program prepares students for the California real estate sales and broker licensure as well as classes for real estate appraisers and other professionals.	Real Estate Brokers (\$105,990), Appraisers and Assessors of Real Estate (\$70,260), Real Estate Sales Agents (\$66,830)
Sign Language Education	Certificate	This certificate of competency in Sign Language Communication is offered as preparation for becoming an interpreter. The certificate indicates knowledge of sign language modes in various settings.	Interpreters and Translators (\$41,930)
Survey/Mapping Sciences - Land Surveyor	A.A., Certificates: Land Surveyor and Land Surveyor in Training options	The associate degree and certificate programs provide students with a thorough background in land surveying and mapping as well as an introduction to collection, manipulation, formatting and mapping of geospatial data. Successful program graduates will have the technical expertise needed for entry-level positions in Geographic Information Systems (GIS), land surveying, and digital photometry. The program also assists students preparing for the State Land Surveyor-In-Training and Land Surveyor's Exams. For more information, please contact the SCC Apprenticeship Programs office at (714) 628-4888.	Surveying and Mapping Technicians (\$49,460)
Teaching		Approximately 50 colleges and universities in California provide teacher credential programs, entered after completion of a bachelor's degree. Students planning to teach in the elementary and secondary schools may begin preparation at Santiago Canyon College, which offers lower division requirements for most majors currently acceptable for teacher credential programs.	Elementary School Teacher (\$52,000 median salary in CA, CareerInfoNet www.acinet.org,) Middle School Teachers (\$55,400 median salary in CA, CareerInfoNet www.acinet.org)
Television/Video Communications	Certificate: Media Studies	This certificate prepares students for careers as producers and executives in the cable, television and film industries.	Media and Communication Workers (\$42,800)
Travel and Tourism	A.A./A.S., Certificate	This program is designed for students planning careers in the airline, hotel, tour, cruise and other tourism industries.	Travel Agents (\$34,720)
Water Utility Science	A.S., Certificates: Water Distribution, Water Treatment and Wastewater/ Environmental Sanitation	The associate degree and certificates cover basic concepts in the operation of water treatment plants, controlling and monitoring water delivery, water quality control methods, water and wastewater pumping equipment and electrical system repair, pump repair and maintenance. Entry-level employment may progress to lead operator, operations and maintenance supervisors, superintendents and/or managers.	Water and Liquid Waste Treatment Plant and System Operators (\$50,600)



*Job titles and salary information from the Employment Development Department, Labor Market Information Division, www.labormarketinfo.edd.ca.gov

Career and Personal Enhancement for Free

The best-kept secret in Orange is out! It's Santiago Canyon College's Continuing Education program, which offers free classes to anyone 18 years and over. The Orange Education Center is located at 1465 N. Batavia Street in the city of Orange.

Opened in 2005, the Orange Education Center contains 25 classrooms, state-of-the-art computer labs, and three large conference rooms that are available for community use.



Orange Education Center

"We're proud to offer high-quality educational programs free of charge to our community," said Continuing Education Dean of Instruction and Student Services Lori Fasbinder. "Everyone is welcome at the Orange Education Center."

These continuing education classes are non-credit, which means they don't apply toward a college degree. All classes are open-exit/open-entry, so that students may enroll and begin classes at their convenience. The Rancho Santiago Community College District (of which Santiago Canyon College is a part) has the second largest continuing education program in the state of California.

Classes serve members of the community who want to learn any of the following subject areas:

- Business and computer skills to help build careers (such as Adobe® Photoshop, Flash, 3D modeling, desktop video editing, PowerPoint, how to use a digital camera, and more);
- Health topics, including a five-week smoking cessation program offered through a partnership with St. Joseph's Hospital;
- Childbirth, parenting and early childhood education classes for parents and their children, ages 18 months-5 years;
- Adult basic education classes to improve English, reading and math;
- English as a second language (ESL);
- Citizenship; and
- High school diploma/GED.

Classes are offered Monday through Friday during day and evening hours, as well as Saturday mornings. All instructors are experts in their fields and are certificated by the State of California. Some classes have bilingual assistants available.

Free academic and career counseling, skills assessment and student orientation are provided. The onsite, accredited child development center offers full- and half-day programs for children from 3 to 5 years old.

Continuing education classes are offered at:

Anaheim Hills Center
101 S. Chaparral Court
Anaheim Hills, CA 92808

Lampson Elementary School
13321 Lampson Avenue
Garden Grove, CA 92840

El Modena High School
3290 Spring Street
Orange, CA 92869

Orange Education Center
1465 N. Batavia Street
Orange, CA 92687

For more information, call (714) 628-5900 or visit www.sccollege.edu/continuing_education.



Santiago Canyon College

**High quality.
Exceptional value.**

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- Career training in:
water utility science • public works
surveying • arboriculture
construction trades apprenticeships
cosmetology and more
- Onsite child development center
- Financial aid and scholarships available
- Online admissions, registration, and
book purchase



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