

CareerFocus™

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CareerFocus

Rancho Santiago Community College District
Rancho Santiago College
2323 N. Broadway
Santa Ana, California, 92706

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8045 E. Chapman Ave.
Orange, CA 92869
(714) 628-4901

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CareerFocus™

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Editor Judy Iannaccone
 Managing Editor AnnMarie Librescu
 Cover Photography Davis Barber
 Inside Photography Davis Barber & Eric Harsen
 Ad Design Eric Harsen

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Career Focus is published by Rancho Santiago Community College District, 2323 N. Broadway, Santa Ana, California, 92706-1640, in partnership with Washtenaw Community College, Ann Arbor, MI 48106.

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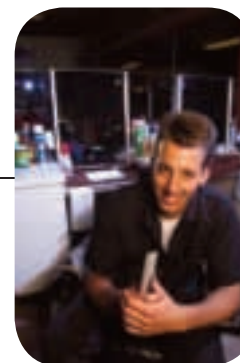
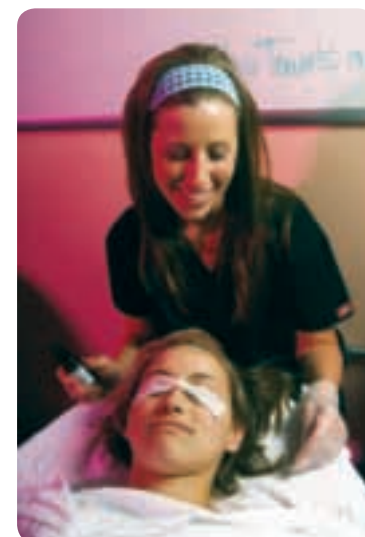
RSCCD Title IX Officer and Section 504/ADA Coordinator:

John Didion
 2323 N. Broadway
 Santa Ana, CA 92706
 (714) 480-7489

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On the cover:

Christina McDonald studies in the SCC Electrician Apprenticeship Program.

Facts and Finds

Facts AND Finds

More Choose Community College

As a college education becomes more important for a good job, enrollment in community

colleges and universities is on the rise. And while the high tuition of private colleges and universities gets a lot of press, the reality is that most students choose public universities and community colleges where tuition rates are much lower.

Here's a look at the reality of college attendance:

- From 1995 to 2007 overall enrollment in college increased 22 percent, meaning about 2.2 million more students are in college today than in 1995.
- Four out of five students are enrolled in public colleges or universities.



- Fifty-six percent of all students are enrolled in community colleges – a 20 percent increase over the past decade.
- Nearly half of all college students attend schools where the average in-state tuition and fees are less than \$2,550.

Source: United States Government Accountability Office report November 2007

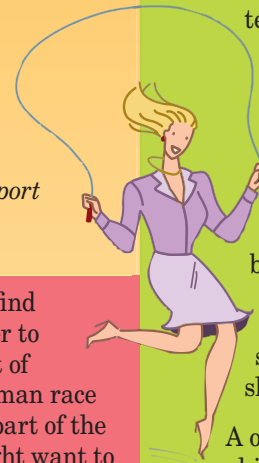
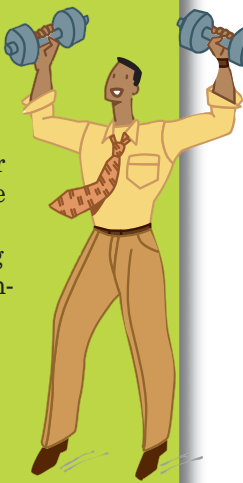
Exercise While You Work

What a simple and smart idea! Instead of sitting at a desk all day, why not work

out while you're working at your computer. Dr James Levine of the Mayo Clinic developed a plan for integrating exercise and office work based on something he calls NEAT (Non-Exercise Activity Thermogenesis).

Simply put, people who move more, tend to weigh less, so why not add activity while doing otherwise sedentary tasks such as working at a desk or computer? The "office of the future" developed by Levine combines a treadmill with a computer workstation so workers can walk slowly while working.

A one-mile-an-hour walk while working burns about 100 calories an hour or 800 calories for a full day. With no change in food intake, walking workers could loose as much as 50 pounds a year.



More Workers Put Family First

How important is your work? How about your family; how important are they? Gen-X and Gen-Y are answering those questions differently than the Baby Boomers in the workplace before them.

A report from the Families and Work Institute indicates that younger workers are more likely than older workers to describe themselves as "family-centric" rather than "work-centric."

Twenty-two percent of Baby Boomers say they prioritize work over family but only 12 and 13 percent of Gen-X and Gen-Y say the same thing. In contrast, just 41 percent of Boomers describe themselves as "family-centric" with 50 percent of Gen-Xers and 52 percent of Gen-Yers saying the same.

A nearly even percentage of workers of all ages called themselves "dual-centric" putting equal weight on work and home life. For Boomers it was 37 percent, Gen-Xers 35 percent and Gen-Yers 37 percent.

Even more important though was this finding: "Employees who are dual-centric or family centric exhibit significantly better mental health, a greater satisfaction with their lives, and higher levels of job satisfaction than employees who are work-centric."

In other words, the key to a happy and productive work life is to know when to just go home!

Introverts Wanted

If you find it easier to be part of the human race

without always being part of the social hubbub, you might want to take a look at the new book *200 Best Jobs for Introverts*. Introverts thrive on working independently and with relatively low contact with others. They don't gain energy from social interactions the way extroverts do, but that doesn't exclude them from making significant contributions though their work.

Some of the highest paying jobs for those on the quiet side are:

Career	Annual earnings
Lawyer	\$98,930
Computer software engineer	\$82,120
Financial analyst	\$63,860
Fashion designer	\$60,860
Microbiologist	\$56,870
Technical writer	\$55,160
Cost Estimator	\$52,020

Two Years Are Better than Four

In July 2007, *The New York Times* invited college students to submit essays in response to an article by Rick Perlstein titled "What's the Matter with College?" Six hundred students responded. Runner-up Liz Addison of Southern Maine Community College in Portland, captured the spirit of the community college in her essay "Two Years Are Better than Four."

"The philosophy of the community college, and I have been to two of

them, is one that unconditionally allows its students to begin. Just begin. Implicit in this belief is the understanding that anything and everything is possible. Just follow any one of the 1,655 road signs, and pop your head inside – yes, they let anyone in – and there you will find discoveries of a first independent film, a first independent thought, a first independent study."

Read the entire essay at: essay.blogs.nytimes.com/2007/09/26/two-years-are-better-than-four. CF

Younger workers are more likely than older workers to describe themselves as "family-centric" rather than "work-centric."



Why Be Normal? Different Is Good

Non-traditional careers offer opportunities

There is no such thing as “women-only jobs,” “men-only jobs,” or “jobs for the young.” There are only jobs. Period. A “non-traditional career” is one in which 25 percent or less of a certain gender is represented.

Entering a field where your gender is not usually represented can be a challenge. But we’re guessing that is something you have already considered. Check out these benefits and then ask yourself if being “non-traditional” is a bad thing:

By Michelle Marczak, Ken Reed, and Laura Lyjak

- Non-traditional careers often offer better pay for women and more job opportunities for both genders.
- Non-traditional careers usually have established steps for advancement – in the construction trades, workers move from apprentice to journey person to superintendent.
- Most non-traditional jobs require specialized skills, which are usually compensated according to the amount of training or education.
- Many non-traditional careers in the skilled trades have potential overtime pay. Also, these jobs



job candidate to some employers.

Every year about six million adults head back to college. They range in age from 25 to 65 and sometimes beyond. Students once referred to as “non-traditional” are becoming more and more common on campuses. In fact, the over-40 college student is the fastest growing segment in higher education.

The reasons can range from a layoff to a promotion to a long-deferred dream. There is no doubt that getting a college degree is a bit more complicated with kids, mortgages and day jobs, but most adult students discover it’s well worth it.

Your decision to return to school probably is going to be the result of some soul-searching. The first step is to explore – yourself, your values, skills and interests, your hopes and dreams. Then explore the job options that fit your goals. And if the result is a career that requires more education, start planning how you can make that happen.

There are some advantages to being older and having a job. Often you can test out of classes if you have extensive work experience in the field – saving you both time and money. If you’re working while you go to school, many businesses will fund all or part of your tuition if your classes relate to your current profession.

provide a greater variety of schedules or shifts.

- The greater the range of experience a job offers and the more options it makes available, the greater the chance for self-satisfaction.

The term “non-traditional” in education may also refer to a person’s age, meaning you aren’t a student right out of high school. But it’s not a disadvantage. Oftentimes your previous experiences and maturity may make you a better

Non-traditional choices for MEN

- Accounting Clerks
- Child Care Workers
- Clerical and Administrative Support
- Dental Assistants
- Librarians
- Licensed Practical Nurses
- Medical Lab Technicians
- Registered Nurses
- Secretaries
- Teacher’s Aides

Non-traditional choices for WOMEN

- Construction
- Dentists
- Electricians
- Engineers
- Fire Science Occupations
- Groundskeepers
- Law Enforcement Occupations
- Machinists
- Truck Drivers
- Welders

Did You Know?

- Women ages 16 to 34 represent one percent of automobile mechanics.
- Men represent 7.2 percent of registered nurses.
- By the year 2010, people with less than a high school education will be able to fill only nine percent of all jobs.
- By 2010 women will comprise more than 52 percent of the labor force.

Helpful Web Sites for Adult Students

- Adult Student Center** – Specifically for adult students returning to college: www.adultstudentcenter.com
- Changing Course** – Discover the right career for you: www.changingcourse.com
- Free Application for Federal Student Aid** – All you need to apply for federal grants and loans: www.fafsa.ed.gov
- Super College** – Find out about scholarships and plan your return to college: www.supercollege.com
- America’s Career Info Net** – Tons and tons of great information on careers and college: www.acinet.org

Enjoy a Career in

Beauty

Cosmetology is always in style

By AnnMarie Librescu and Catherine Cate

It is hard to think of a product or service that everyone uses—one that always is needed by both men and women throughout their lives.

Master one or more cosmetology skills (such as hair, skin or nail care) in the program Santiago Canyon College offers through a contract with

the fully accredited Hair California Beauty Academy in the city of Orange, and you will always be able to create beauty while you earn money working full or part time, and often on your own terms!

What does a cosmetologist do?

Whether you want to cut hair, give manicures, pedicures, perform skin care and makeup application or provide other personal services for profit, you must be licensed by the California State Board of Barbering and Cosmetology as a professional in one or more of these five areas: cosmetologist, esthetician, manicurist, barber or electrologist.

While there are some overlapping areas of skills and training, specialized knowledge is required. For example, a licensed cosmetologist may cut and style hair, perform phases of manicuring, apply makeup and provide skin care (within the scope of the license) for profit. And although a barber receives training in all the skills related to cosmetology, the barber's licensing exam does not include manicures, pedicures or the application of makeup or artificial nails, explained Thui Minetti, owner of Hair California Beauty Academy. "Barbers may do a form of facial designed especially for male clients, but they do not perform manicures or pedicures for men."

An esthetician has more extensive training and expertise in facial skin care and makeup application and, after passing the licensing exam, may provide skin care and makeup services and work in cosmetic sales in any licensed facility such as a salon, spa, resort, dermatologist or plastic surgeon's office.

Santiago Canyon College offers certificate programs in cosmetology, cosmetician (esthetician) and manicuring through Hair California Beauty Academy, which also prepares students in all five areas



covered by the California licensing exam.

Can I earn college credit?

Yes! The associate degree and certificate in cosmetology are designed to exceed minimum California State Board of Cosmetology standards.

To receive the associate of science degree in cosmetology, you must complete a minimum of 60 units that include the certificate program and general education requirements with an overall grade point average of 2.0. You must complete a minimum of 12 units at Santiago Canyon College and at least six of those units must be in courses required for your major. You can earn your associate degree, and even transfer to a four-year school, earning a living while you continue learning in a classroom.

Can I get a job after graduation?

Cosmetology career options are almost unlimited and the demand is

growing. According to data provided by the Bureau of Labor Statistics, in 2006, there were 677,000 barbers and cosmetologists. By the year 2016, that number is expected to grow by 11 percent. Your income increases as you gain experience and build a steady clientele, possibly reaching more than \$50,000 annually, depending on where you work and the services you provide.

With new classes starting almost every month, many offered during the day and evening hours, it's always the right time to check out the cosmetology program offered through Santiago Canyon College. For more information, visit the Web site at www.sccollege.edu/career_education or call (714) 628-4883. **CF**



Being a Barber Is Living History with a Future Student is a man with a plan...and a backup plan!

By AnnMarie Librescu and Catherine Cate

Dane O'Barr plans to get a college degree that will enable him to teach high school history. His backup plan is to be employed as a barber.

How did O'Barr, 22, decide on this unusual combination of careers? He was influenced by his love of history. "I got my hair cut in a vintage barber shop and loved the atmosphere: the humming clippers, the smell of aftershave. It's eternal and classic—and traditional barber shops are coming back!" O'Barr explained.

But he also was influenced by other factors, both pragmatic and entrepreneurial. "I want a college

degree, and a skill that will give me a solid fallback position. I can earn good money as a barber and also have a flexible schedule while I go to school or teach," he explained. O'Barr already is looking forward to opening his own barber shop.

At just \$20 per unit of college credit, his path to becoming a barber is affordable. He attends class or practices his skills at Hair California Beauty Academy in Orange eight hours a day, five days a week.

It takes about 10 months to complete the 38 units of study and acquire the 1,500 hours of experience needed to take the California barber licensing exam.

Of course, his skills already are in demand among family and friends, and "I try to get everyone to come to



the academy, because we get points every time we perform services there," he explained.

After completing his studies at the academy, O'Barr plans to attend California State University, Long Beach, to complete his bachelor of arts degree and obtain his certificate to teach history.

If all goes according to plan—O'Barr's plan—he will be teaching in the classroom and cutting hair in a traditional barber shop in less than three years. **CF**

Cosmetology Instructor Promotes Professionalism Beauty academy provides real-world experience

By AnnMarie Librescu and Catherine Cate

Ann Everett has always had a passion for teaching so she was a natural to become an instructor after completing her own training as a cosmetologist at Hair California Beauty Academy in the city of Orange. Hair California is Santiago Canyon College's contract cosmetology provider.

"It is very rewarding to help people improve their appearance and feel better about themselves," said Everett, a licensed cosmetologist who teaches skin care. "I would encourage anyone who enjoys working with people to look at careers in the beauty industry offered through Santiago Canyon College."

She added, "The academy provides study in both theory (book instruction) and practical (hands-on) learning. Students work with the public after 400 hours of study, and are supervised by instructors. As a former student and an instructor, I know that the academy maintains a professional environment that prepares students with real-world experience."

Giving students the skills they need to accomplish their goals reinforces Everett's life-long love of teaching, which has included being a swim coach and instructor, as well as

teaching classes for her church. Before training as a cosmetologist, she was employed as a corporate project manager.

It is this unique combination of experience that makes her aware of the qualities students need to be successful in the fields of cosmetology and barbering.

"You must be able to work with others, look and act professionally, and have a passion for the industry, which is always growing and changing," she added.

Continuing education is critical for career growth, Everett said. "Cosmetology is a field in which new styles, products, and techniques are always being developed. Hair California provides initial training for licensure, as well as weekend continuing education classes in 'hot topics' such as hair extensions. I urge students to take advantage of everything we offer to prepare them for great careers in the beauty industry." **CF**



Electricians Train for Bright Futures

Need for skilled workers grows

Wanted: male and female applicants to receive paid training to become electricians. Free instruction and on-the-job training is provided by the Santiago Canyon College Electrician Apprenticeship Program, offered through

the Orange County Chapter International Brotherhood of Electrical Workers (IBEW) Local 441.

Applicants may choose between two programs: the Industrial Option for Inside Wireman (high-voltage) or the Sound and Communication (low-voltage) Option. This is a five-year program (10 semesters of nighttime instruction, one evening a week) that includes 8,000 hours of paid on-the-job training as an apprentice, earning approximately \$12-15 per hour.

College credit is earned for the classroom and supplemental instruction, and apprentices pay only for instructional materials, such as textbooks.

Apprentices who successfully complete this program will attain journeyman status, and will have satisfied requirements for an associate degree through Santiago Canyon College as well as a certificate of completion.

The median income for electricians who have achieved journeyman status is approximately \$22 per hour, or about \$45,000 per year, according to the May 2007 Bureau of Labor Statistics.

Electricians are needed everywhere!

Why? Because every time you flip a switch, press a button, turn a knob—or even a faucet—electricity probably is involved.

Turn on a faucet? Yes. Instead of drawing hot water from a water heater, many modern plumbing systems are hooked into electric heaters that produce hot water only on demand. It's estimated that 12 percent of the state's electricity is used to pump water to users statewide.

A number of "green" energy-saving measures that companies use today also require electricity. For example, energy collected by solar cells (called photovoltaic or PV electrical systems) requires an electrician's expertise to install. Other innovations that require well-trained electricians include the energy-efficient intense light provided by Light Emitting Diodes (LEDs).

Those are just a few examples of innovations that require electricians who have the most up-to-date training in a field that is expected to grow about seven percent by 2016,



according to the Bureau of Labor Statistics, which states, "In addition to jobs created by the increased demand for electrical work, many openings are expected over the next decade as a large number of electricians retire. This will create very good job opportunities, especially for those with the widest range of skills, including voice, data, and video wiring."

No wonder Santiago Canyon College (SCC) is recruiting both men and women to join more than 400 apprenticeship students who already are preparing for a career with a real future.

Quality instruction meets college standards

While instructors are provided by the local union, and evening classes are held in a specially-equipped instructional facility in the union hall at 717 S. Lyon Street in Santa Ana, it is Patti Dillon, SCC apprenticeship program director, who is responsible for overseeing apprenticeship academic requirements.

"We make sure students are properly registered, track their attendance, and ensure that the instruction is college-level and approved by the State Chancellor's office. We hire the instructors, verify that they are journeymen in their area of expertise, and are qualified to teach at the college level," Dillon explained.

"This is a wonderful program for people who like to earn while they learn on the job," Dillon said. "The instructors are so dedicated to their profession, and teaching their trade to the highest standards."

To be eligible for SCC's electrician apprenticeship program, you must be 18 years of age when you apply, have a high school diploma or equivalent, have successfully completed one year of high school Algebra 1 or the equivalent with a grade of "C" or better, and demonstrate that you are fluent in English.

Electricians enjoy steady employment with great pay and benefits. To learn more, visit the Web site at www.sccollege.edu/career_education or call (714) 628-4883. **CF**



Apprenticeship Suits Student's Learning Style

She finds perfect career as an electrician

By AnnMarie Librescu and Catherine Cate

When she was a child, Christina McDonald followed her father as he worked around the house, which was “in a state of constant remodel,” she remembered.

“I was always around construction. I was the kid who was ready to help; whatever needed to be done, I was willing to do it.”

McDonald, 24, a single parent of two, wanted a satisfying career with opportunities for advancement.

After taking a number of college classes, including algebra, language arts, sociology and psychology, McDonald decided she was more interested in hands-on learning. “I enjoyed electrical work, so when I was 20 I entered the three-year apprenticeship program for sound (low-voltage) electricians and got my journeyman's card. Because I wanted greater intellectual challenges and more variety, I entered the high-voltage (Industrial Option for Inside Wireman) apprenticeship program that's taught through the

Electrician's Union Local 441 in cooperation with Santiago Canyon College.”

Apprenticeship programs have proven to be a perfect fit for McDonald, who finds she learns best by doing. “When I can see it, then do it, I get it!”

Although the job can be physically demanding, McDonald is usually up to the challenge. “I don't expect to be catered to; I carry bundles of pipe just like everyone else,” she said.

As an apprentice, McDonald always works under the supervision of a foreman or journeyman. She receives regular job reports that include attendance at work and in class, as well as effort and attitude. “You have to go to class, read the textbooks and do the lab work. But the payoff is worthwhile. It's a really good career, with excellent pay and benefits, and raises every six months.”

McDonald's ultimate career goal is to become a union-licensed contractor. “I'd like to have my own business,” she said.

“I didn't know this when I started the apprenticeship program, but both my grandfather and great-grandfather were college-educated electrical engineers,” McDonald said. “Apparently, it runs in my family.” **CF**



Electrician Apprenticeship Instructor Combines Theory and Practice

Skills and safety are stressed in classroom

By AnnMarie Librescu and Catherine Cate

Electrician Steve Vasquez is an instructor for the electrician apprenticeship program offered by the Orange County Chapter International Brotherhood of Electrical Workers (IBEW) Local 441 in cooperation with Santiago Canyon College. He has one focus: “to train not just electricians but leaders who are dedicated to upholding the highest standards in performance and safety.”

Vasquez brings nine years of experience as an apprentice and journeyman electrician with him into the classroom. “I started out in biomedical engineering at Arizona State University studying calculus, chemistry, physics and biology. But I found out I don't enjoy sitting at a desk and studying for hours. I like learning by doing. What I teach in class combines both theory and practice,” Vasquez said.

“Being a journeyman wireman electrician definitely involves physical labor; we often have to pick up and move equipment that weighs a fair amount,” Vasquez explained. “But it is very rewarding because it produces tangible results. At the end of the day you can say, ‘I built that!’ and know your work will last for years.”

According to Vasquez, students who really try to absorb the program's more technical aspects do well. “If you like working with your hands, and you can imagine how something can be put together, this could be a great career for you. Once you complete an apprenticeship program and have your journeyman's card, you can work anywhere in the U.S. or Canada.” **CF**



Ready for the Real World?

Good money skills start with straight talk

Congratulations – your pride and joy is getting ready for college. But how prepared is your child to achieve financial independence in the coming years? This quiz can help you find out.

Quiz

1. When did you start teaching your child about finances?

- a. In high school
 b. In middle school
 c. Not yet

2. How many of these concepts have you explained to your child: interest, credit ratings, loan payment schedules?

- a. All three
 b. One or two
 c. None

3. Did your child buy a car in high school?

- a. Yes
 b. No

4. Do you have open discussions with your child about money – including your own financial struggles and limitations?

- a. Yes
 b. No

5. What advice have you given your child about credit cards?

- a. Get as many as you think you need
 b. Get one and use it wisely
 c. Avoid credit cards entirely
 d. We haven't discussed it

6. Have you helped your child seek out and apply for scholarships and loans?

- a. Yes
 b. No

7. If a four-year college costs more than your child can afford, have you discussed community college?

- a. Yes
 b. No

Answer Key

Give yourself one point for each correct answer.

1–b Experts say that parents should start discussing finances as soon as their kids are old enough to understand. “I think the middle school years are a good time to start,” says James Boyle, president of College Parents for America. “That’s when a student is starting to have a greater awareness of the world of commerce.” Marcia Weston of the National Association of Student Financial Aid Administrators adds, “I think the minute a student either gets an allowance or starts to work, there needs to be an understanding of how they deal with money in their lives.”

2–a Don’t overestimate your child’s financial knowledge – even basic concepts like interest are confusing to many students. As Weston says, “A lot of students feel that if they sign loan papers, then drop out of school, they don’t have to pay it back because they didn’t get their degree!” Don’t let that be your child – explain financial concepts to them yourself.

3–b Money spent on major purchases like automobiles is money that’s not available for college. And students’ first cars often require frequent repairs, eating up even more of their hard-earned cash. Besides, many universities forbid freshmen to have a car on campus. Unless they absolutely need it for work or school, students should try to avoid this purchase as long as they can.

4–a Talking about money with your kids isn’t always easy, especially when your own financial history is less than perfect. But as Boyle points out, “A little humility can go a long way. By telling a student about the time you bounced a check, or didn’t make a payment on time, it

brings a note of reality to the discussion. It helps you get across a warning in a way that shows that you once walked in the same shoes.”

5–b In Boyle’s view, “One credit card is plenty, in case of emergency or situations that require it. But multiple credit cards can lead to a false impression that you have more money than you really do.” A credit card doesn’t have to be an invitation to overspend: Just ask Tamanika Ferguson. “I had one credit card in college,” she says with a laugh. “I still have it, and it’s had the same credit limit the whole time! I don’t use it at all.”

6–a According to Weston, “Many students don’t even know, when they sign a loan paper, how much they owe.” Parents can walk their kids through scholarship and loan applications, clarifying confusing terms and making the process seem less intimidating. Paperwork isn’t fun, but it’s worth their time: Ferguson estimates that she spent around 500 hours filling out the applications that generated \$80,000 in scholarship cash. That averages out to \$160 per hour – a lot more than you can make delivering pizzas.

7–a From an employer’s perspective, where you started college matters less than where you finished. As Boyle says, “With the continued rising costs of college, community college is a very smart option. If a student spends their early years in community college then moves to a four-year university to get their bachelor’s degree, the total cost of that degree is less.”

Scoring

6–7 points: Good job! You’ve prepared your child well for the financial challenges ahead.

4–5 points: Not bad, but a bit more financial dialogue wouldn’t hurt.

2–3 points: It’s probably time for a serious conversation about money.

0–1 points: For your kid’s sake, talk to them now – before they get their first credit card! **CF**

SCC Education Facts

Serves: Transfer, certificate and degree students, career changers, job advancers, traditional-age college students and adult returning students.

Serving sizes vary

Servings per container: Over 30,000 students annually

Nutritional content	% daily value
Academic Enrichment	100 %
Career Training	100 %
Occupational Skills	100 %
Increased Opportunities	100 %


INGREDIENTS: HIGHER EDUCATION AT LOWER COST, FLEXIBLE CLASSES (EVENING, WEEKEND, ONLINE AND BLENDED COURSES) ON-SITE CHILD CARE (FOR AGES 12 MONTHS TO 5 YEARS AT THE MAIN CAMPUS AND 3-5 YEARS AT THE ORANGE EDUCATION CENTER), ACADEMIC AND OCCUPATIONAL PROGRAMS, SUPPORTIVE STAFF, FINANCIAL AID AND SCHOLARSHIP OPPORTUNITIES, OUTSTANDING FACULTY, AND FITNESS FACILITIES. THE MAIN CAMPUS IS LOCATED AT 8045 E. CHAPMAN, AND THE ORANGE EDUCATION CENTER AT 1465 N. BATAVIA (BOTH IN ORANGE).

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.

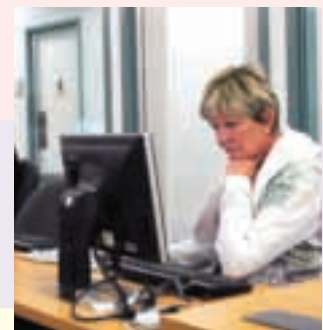
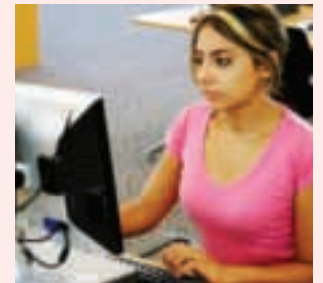
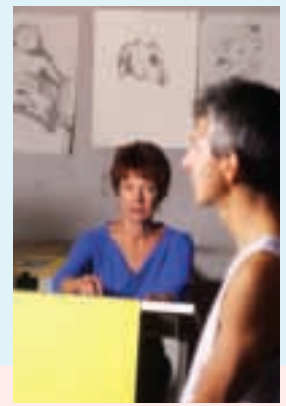
Area of Study	SCC Program	Prepares you for	Job Titles/Orange County Median Earnings*
Accounting	A.A./A.S. Degree Certificates: General or Computerized Accounting options	The associate degree and certificate prepare students for transfer to 4-year universities as well as entry-level and promotional opportunities 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	For information about apprenticeship programs, please call (714) 628-4888.		First-Line Supervisor/Managers of Construction Trades and Extraction Workers (\$59,820)
	Acoustical Tile 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.	Drywall and Ceiling Tile Installers (\$42,350)
	Concrete 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.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.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.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.	Carpenters (\$47,050)



Area of Study	SCC Program	Prepares you for	Job Titles/Orange County Median Earnings*
Apprenticeship - Carpentry	Framing 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.	Carpenters (\$47,050)
	Millwright A.S., Certificate	Prepares students for work as millwrights.	Carpenters (\$47,050)
	Plastering 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.	Carpenters (\$47,050)
	Pile Driver A.S., Certificate	Prepares student for work as pile drivers. Successful completion will result in journeyworker status.	Carpenters (\$47,050)
	Tilt-Up 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.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.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	A.S., 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 Mechanics, Installers and Repairers (\$57,700), Automotive Service Technicians and Mechanics (\$43,280)
Apprenticeship - Surveying	Chainman, A.S., Certificate		Prepares students for careers in surveying, with training in labor relations, surveying computer skills, and standard first aid.
	Chief of Party, 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)
Arborist		Classes are for students interested in urban tree care in residential and commercial landscapes, parks, and open spaces. Topics included are tree selection, installation and care, pruning, removal, use and maintenance of arborists' tools, selection and use of pesticides and fertilizers, and more. Courses can prepare students to take and pass the International Society of Arboriculture (ISA) certification exam.	
Art - Digital Media Arts	A.A., Certificate Program A and B	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.	



Area of Study	SCC Program	Prepares you for	Job Titles/Orange County Median Earnings*
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)
	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)
Art - Graphic Design	A.A., Program A and B	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	Media and Communication Workers (\$42,800)
	Degree Program A: Professional emphasis or transfer to art school	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.	Graphic Designers (\$47,860)
	Degree Program B: Transfer to state universities	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.	
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 in 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.	Skin Care Specialists (\$25,790), Hairdressers, Hairstylists and Cosmetologists (\$23,700)
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 education 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)



Area of Study	SCC Program	Prepares you for	Job Titles/Orange County Median Earnings*
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 buyer, jewelry wholesalers and laboratory gemologists.	Jewelers, Precious Stone and Metal Workers (\$36,050)
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)
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.	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 (\$52,00 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

Continuing Education Classes Offer Free In-Demand Training

Fred Lenny, an instructor in Santiago Canyon College's Continuing Education Division business skills program, has watched his students learn valuable job skills. Lenny teaches Adobe® software, including Photoshop, Blender (3-D modeling and animation) and Microsoft Project. His students enhance their current jobs with their new knowledge, or obtain entry-level employment as graphic and Web designers.

“On at least two occasions, I've had to write letters stating that my students had created the images they were trying to print or reproduce at photo centers,” Lenny said with a smile. “The images were of such high quality that the store managers refused to print them without the permission of the ‘artists’—the students themselves!”

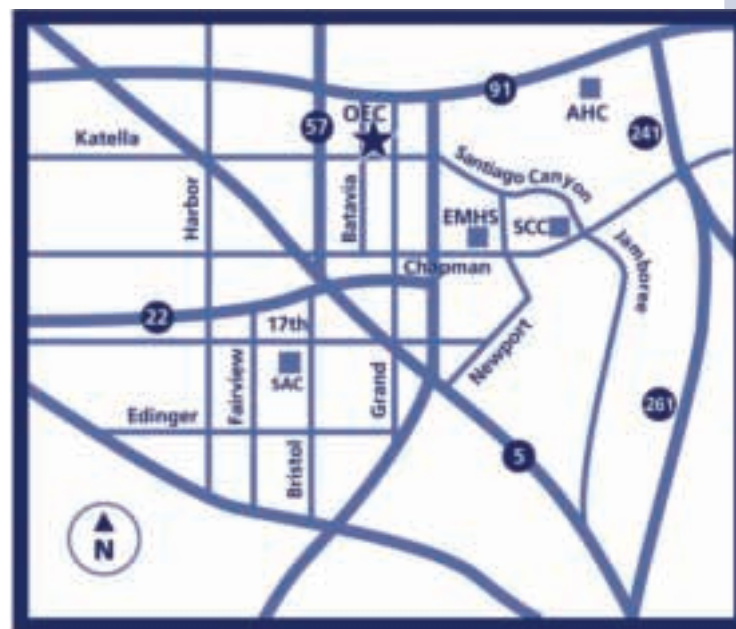
In Lenny's Electronic Imaging Using Adobe Photoshop class, students learn the steps to complete complex assignments, such as selecting pixels from a digital image using the color channels tool and converting the selection into a mask to facilitate modifying the color pixels in the image. Using the latest computer software, students modify digital photos in class by adding effects to create new, original compositions.

“These in-class projects can be used in the students' portfolio that they take to job interviews,” Lenny said. “Having done professional level work and being able to show it to potential employers is a tremendous help in getting the job.”

Another of Lenny's students needed photos for her business Web site, and sought the help of a professional Web designer, who gave her a very expensive estimate for the work to be done. Instead, the business owner took Photoshop and digital photography classes to learn how to resize and manipulate the images herself...cutting the cost of her Web site in half.

If you're interested in free training to upgrade job skills or learn new ones, contact the continuing education division today. Classes are offered throughout the year in Orange, Anaheim Hills and Garden Grove. To accommodate busy schedules, you can choose day, evening or Saturday classes. On-site child care is available.

Visit the Web site at www.sccollege.edu/oec or call (714) 628-5900. **CF**



Free continuing education classes are offered at:

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

El Modena High School
3290 Spring Street
Orange, CA 92869

Lampson Elementary School
13321 Lampson Avenue
Garden Grove, CA 92840

Orange Education Center
1465 N. Batavia Street
Orange, CA 92867

Santiago Canyon College

**High quality.
Exceptional value.**

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- Career training in:
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surveying • arboriculture
construction trades apprenticeships
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