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Questions about San Jacinto College programs and services described in this publication should be directed to the Call Center at 281-998-6150. Comments or questions about the publication can be directed to the San Jacinto College marketing department at 281-998-6152.

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or call us at 281.998.6150

About San Jacinto College
Surrounded by monuments of history, industries and maritime enterprises of today, and the space age of tomorrow, San Jacinto College has been serving the citizens of East Harris County, Texas, for nearly 50 years. We are committed to the goals and aspirations of a diverse population of more than 29,000 students in over 140 degree and certificate options, including university transfer and career-track choices. Students also benefit from the College’s workforce training programs, renowned for meeting the needs of ever-changing industry in the region. San Jacinto College. Your Goals. Your College.

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On our cover: Welding technology student Carol Scheier prepares a welding project at San Jacinto College’s training lab.

Photo credit: Rob Vanya, San Jacinto College marketing department.
Perrodin honored as culinary educator of the year

The Foodservice Educators Network International (FENI) recently named San Jacinto College (SJC) culinary arts instructor Sean Perrodin as its 2011 Educator of the Year. The award recognizes Perrodin’s accomplishments and leadership in the foodservice-educator community, as well as his impact on the field of culinary education. Perrodin serves as lead culinary arts instructor at the SJC North campus, and as the faculty advisor for the campus’ student-operated Culinary Arts Club.

Since Perrodin took the position as lead culinary arts instructor three years ago, the graduation rates in the program have more than doubled, enrollment in the program has doubled, and a new pastry chef degree plan has been added. Perrodin uses innovative teaching techniques, such as class scavenger hunts, culinary graffiti, culinary excellence dinner challenges, and team building exercises that involve students teaching community members how to cook.

Locks of Love coming to South campus

Time for a trim? Skip it to snip it at the San Jacinto College South cosmetology program’s second annual “Share Your Hair” week benefitting Locks of Love. During the week of April 11 – 16, participants with at least 10 inches of bleach-free hair are invited to come and receive free haircuts from the cosmetology department. All hair received will be donated to Locks of Love. Monetary donations to Locks of Love are also being accepted at this year’s event. Last year community members from all across the Houston area came out to support this great cause. Locks of Love is a public non-profit organization that provides hairpieces to financially disadvantaged children under age 21 suffering from long-term medical hair loss from any diagnosis. The cosmetology salon is located in the S. R. Jones Vocational Technical Building on the South campus at 13735 Beamer Road in Houston. For more information on the event, donations, and Locks of Love hair requirements, please call the South campus cosmetology department at 281-922-3406 or visit www.locksoflove.org.

College to receive Texas historical marker

The Texas Historical Commission has approved San Jacinto College’s (SJC) application for a historical marker, which will be placed on the Central campus, located at 8060 Spencer Hwy., in Pasadena. The metal marker will measure 27 inches by 42 inches and will display text that chronicles some of the notable milestones of the three-campus college that, for 50 years, has served East Harris County. The date of installation, and exact location of a site on the Central campus, is still in the works. The official unveiling of the historical marker will be one highlight of many during the 2011-2012 academic year, as San Jacinto College celebrates its 50th anniversary. The groundbreaking ceremony at the original Central campus was held on Aug. 10, 1961, and the College officially opened on Sept. 18, 1961 at temporary quarters in downtown Pasadena. The marker will be just the fifth in the city of Pasadena. The other four are the City of Pasadena, Pasadena ISD, Allen Ranch, and Crown Hill Cemetery. Pomeroys Homestead and the James and Jesse West Mansion are on the National Register listing.

Students take their voices to the capitol for Texas Community College Student Day

They came, they saw, and they asked a lot of questions. Forty San Jacinto College (SJC) students recently met with legislators to ask the questions that have been on everyone’s mind during Texas Community College Student Day. Students representing each SJC campus visited representatives and senators throughout the day, discussing a variety of issues from the state’s budget to the value of earning a college degree. SJC Chancellor Dr. Brenda Hellyer, North campus President Dr. Allatia Harris, and South campus President Dr. Maureen Murphy also accompanied the group. Sen. John Whitmire stepped out of his morning meeting to greet SJC North campus students, who were then treated to a tour of his office and conference room. Later that afternoon, they met with Rep. Ana Hernandez and Sen. Mario Gallegos, Jr.

Students train for confined space safety thanks to donation from Sun Products Corporation

Sun Products Corporation recently donated confined space training equipment to San Jacinto College, giving process technology students an environment similar to industry working conditions. Working in confined spaces is a normal part of the plant industry, said Mike Speegle, process technology department chair. However, it is very hazardous and proper training is necessary for workers to recognize the dangers associated with such areas. “This donated equipment helps us prepare students for what their responsibilities will be as operators,” said Speegle. “Operators sometimes enter confined spaces to inspect repairs or investigate problems. They are also responsible for testing and monitoring the confined space while contractors work in it.”
Computer information technology
Allows students flexibility to have both career and family

By Jeannie Peng-Arnao

O pportunity— it’s a word most often associated with a career in technology, since computers are utilized in each and every industry. It also means a shift in the way people commute, or stay home, for work.

San Jacinto College (SJC) student, Tricia Sawh of Pearland, is working toward having both a career and a family, and says a degree in computer information technology may help her achieve that goal.

“No matter where you work, there’s always going to be a computer information technology person needed,” said Sawh, who has already obtained an associate degree in programming and is currently pursuing another associate degree in desktop support. “This field allows flexibility, which is great for women who have families or hope to some day have children.”

There is a shortage of women and minorities working in science, technology, engineering, and mathematics (STEM) fields, according to a recent article in “Diverse: Issues in Higher Education.” Women hold more than half of all professional occupations in the U.S., but only 25 percent of all computing-related occupations, according to the National Center for Women & Information Technology.

“When you start off in certain areas, like gaming, you work in the business environment,” said Jim Meeks, SJC computer information technology instructor. “But as you move up, you quickly move off to work more independently.”

The idea of working independently helped Iris Rodriguez of Houston make her decision to enroll in the computer information technology program. A single mother of two children, Rodriguez will complete her associate degree in desktop support in May and pursue an additional certificate in gaming.

“Not having to necessarily be in an office was something that I took into consideration when choosing this field,” said Rodriguez. “Also, I’m really passionate about computers and want to work with software, as opposed to hardware.”

The computer information technology program is offered at the SJC North, South, and Central campuses. Areas within the program include computer science, database design, desktop support and network administration, industry certifications, multimedia computer animation, programming, security, simulation and gaming technology and Web development. Most areas require two years to complete.

“There are a lot of jobs out there, especially in computer security and gaming,” said Meeks. “In fact, we’re planning on creating fast track programs in these areas to quickly train students for the workforce.”

Network and computer systems administrators often are required to have a bachelor’s degree, although an associate degree or professional certification, along with related work experience, may be adequate for positions such as Webmasters. Applicants for security specialist and Web developer positions generally need a bachelor’s degree, according to the U.S. Bureau of Labor Statistics. Median annual wages of network and computer systems administrators were $66,310 in 2008; median annual wages of database administrators were $69,740; and median annual wages of network systems and data communication analysts were $71,100.

“The country is drastically short in computer security in both government and the corporate world; there are more bad guys than good guys,” said Meeks. “The gaming area is also taking off since the government lowered the corporate tax on gaming companies. In fact, the gaming software companies made more money than Hollywood did last year.”

Overall employment of computer network, systems, and database administrators is projected to increase by 30 percent by 2018, much faster than the average for all occupations, according to the BLS. Demand for Web administrators and Web developers will also be strong as more qualified workers will be needed to accommodate the increasing amount of data sent over...
Demand for welders on the rise due to rising gas prices

By Rob Vanya

The demand for welders is increasing due to rising gasoline prices, and San Jacinto College’s (SJC) highly regarded welding technology program is helping to meet the need for well-trained welders.

“Because the price of oil is going up, there are more orders for pipelines and the infrastructure needed to support the petroleum industry,” commented Eddie Foster, welding technology department chair at SJC North. “Consequently, welders are in big demand at this time.”

The College offers an occupational certificate, and certificate of technology programs, that enable welding students to learn the basics after only one year of training. The College also offers a two-year associate of applied science degree program for those who want to receive more advanced training. Students can also take welding courses as a continuing education certificate program, which provides specialized up-to-date training through the College’s Continuing and Professional Development (CPD) division.

Carol Scheier, who lives in Alief, says she was attracted to San Jacinto College because of its tradition of excellence. “It’s a long commute for me to attend at San Jac, but it’s well worth it,” she commented. “I heard that San Jacinto College had the best welding training in the area, and now I can say from experience that the school deserves the reputation. It’s the best because the instructors stress a lot of hands-on training. Welding must be learned by doing, not just by studying books.”

Scheier became interested in welding by sheer chance, but it did not take her long to decide to pursue the skilled trade as a career. “While working shutdowns at refineries, I noticed quite a few welders and it looked like it was interesting work,” she commented. “I talked some of the welders into letting me try my hand at it, and I discovered that I really liked it.”

She also discovered that it’s more difficult than she had imagined. “It’s really very challenging,” she remarked. “You’d be surprised how hard it is just to weld in a really straight line. It requires concentration and focus and attention to detail because welding work is going to be X-rayed and examined to ensure that it up to strict standards.”

Not many females are in the welding business, but Scheier says there are features about the trade that she feels many women may find attractive. “The work generally does not require a lot of heavy lifting, and it can be ideal work for anyone who prefers outside work rather than being confined to an office and all the pressures of the corporate environment,” she said. “And then there’s the money. Starting pay for good welders can be $15 an hour and more, depending on the type of welding that’s required in the work. And many welding jobs offer great benefits, such as pension plans and medical insurance.”

Once she graduates from San Jacinto College in the Fall of 2011, Scheier hopes to land a welding job in a Houston area refinery, or possibly find an overseas welding job. “The demand for welders on overseas jobs seems to be on the rise, and there can be more opportunity for overtime work, so a person can usually make more money overseas,” she noted.

Regardless of which path she pursues, Scheier is glad for the training and guidance she is receiving through SJC’s welding technology program. “The instructors at the College are very professional and dedicated,” she remarked. “They work hard to make sure that the students are well trained and understand the proper way to do the job right. And the training lab and equipment at San Jac are the most up-to-date in the industry.”

San Jacinto College offers welding technology courses and degree plans at the North and Central campuses. Interested students should meet with an academic counselor to determine an appropriate selection of major courses and electives.

Approximate annual wages for the welding industry in Texas.*

Entry-level worker -- $22,366 ($10.75 per hour)
Experienced worker -- $41,378 ($19.89 per hour)
Median wage -- $33,134 ($15.93 per hour)
Source: Texas Industry Profiles (March 2011), www.texasindustryprofiles.com

“Because the price of oil is going up, there are more orders for pipelines and the infrastructure needed to support the petroleum industry. Consequently, welders are in big demand at this time.”

Eddie Foster, Department chair of SJC North welding technology

Carol Scheier tried welding and discovered she likes it.

Photo by Rob Vanya, San Jacinto College marketing department.
Students take flight in aeronautical technology program

By Jeannie Peng-Armao

T

echnical education can take a person’s career goals to new heights through an aeronautical technology program.

When Julia Hall of Porter was considering options for college, she had only one goal, to become a pilot.

“I love flying more than anything,” said Hall, who experienced her first private flight when she was 15. “I looked around at different flight programs, and people kept saying San Jac.”

Hall enrolled in San Jacinto College (SJC) in Fall 2009 and is on her way toward graduating and preparing for entry into an aviation logistics program at a university. As a woman, there are an array of scholarship and job opportunities available to her, said Robert Willhoite, SJC aeronautical technology program director. In fact, Hall has already received a Wings Over Houston scholarship.

“The industry is looking to recruit more female pilots,” said Willhoite. “Job placement in general is fairly high since there is also a need for instructors and dispatchers.”

According to the U.S. Bureau of Labor Statistics (BLS), employment of aircraft pilots and flight engineers is projected to grow 12 percent by 2018, which is about as fast as the average for all occupations. Most airlines require at least two years of college and prefer to hire college graduates, according to the BLS. Also, many employers are requiring applicants to have a college degree.

The College’s Central campus offers one-year certificate of technology training in the field of aircraft dispatcher, as well as the field of career pilot. A one-year pilot development program is also available to pilots who have obtained all of their flight ratings.

The College also offers two-year associate of applied science degrees in aviation management, aircraft maintenance management specialty for individuals who have their Federal Aviation Administration (FAA) Airframe and Powerplant licenses, and a pilot development program. The associate degree pilot development program prepares students with no prior flight experience for an entry-level position as first officer with a regional airline.

“Our degree plan involves classes for the private, instrument and commercial ground school,” said Willhoite. “The degree takes the student through the commercial multiengine licenses. This training is done through our flight contractor, the Aerosim Flight Academy. Other courses in the degree plan are designed to make the student an educated aviator. There are also aviation management degrees and aircraft dispatcher certificates.”

The Aerosim Flight Academy, in partnership with SJC, is located at the Ellington Field Airport. From there, Hall has obtained more than 90 hours of flight time flying to such areas as Beaumont, Galveston, Pearland, Victoria, Bay City, and Lake Charles, La.

Since her enrollment at San Jacinto College, Hall has studied such subjects as airspace, weather theory, weight, and balance, and has more than 90 hours of flight time. She hopes to obtain work flying commercial planes once she completes a bachelor’s degree at a university.

New airline pilots start as first officers or flight engineers, depending on the type of aircraft, according to the BLS. Many pilots begin with smaller regional or commuter airlines, where they obtain experience in flying passengers on scheduled flights into busy airports in all weather conditions. These jobs often lead to higher paying jobs with bigger, national or major airlines. Earnings of aircraft pilots and flight engineers vary greatly depending whether they work as airline or commercial pilots. Median annual wages of commercial pilots were $65,340 in 2008.

“The training is tough but definitely worth it,” said Hall. “For anyone who wants to pursue this, don’t give up and never let anything hold you back. I’ve really enjoyed my experience here and look forward to learning more about aviation as I earn my bachelor’s degree.”

Other occupations within aviation facilities include air traffic controllers, aircraft cargo handling supervisors, airfield operations specialists, emergency medical technicians at aviation facilities, parking attendants, service station attendants, traffic technicians, and transportation inspectors.

San Jacinto College student Julie Hall of Porter is passionate about flying and has already accomplished more than 90 hours of flight time flying with the Aerosim Flight Academy at Ellington Field. Following graduation, she hopes to further pursue her dream of becoming a pilot by completing a bachelor’s degree in aviation logistics.
**Feature**

**From the jobsite to the stylist chair: cosmetology and the working man**

By Andrea Vasquez

S

tip it, tease it, dye it, or spike it - hair is one of the most adamant ways for anyone to make an individual lifestyle statement. Since inspiration is constantly being force fed through mainstream and mobile media, being creative isn’t just a personality trait, it’s what pays the bills. However, usually seen as a female-dominated industry, males have been breaking the mold when it comes to trendsetting and news headlines. Like any other beauty professional, these stylists look to make their mark on the masses from the runways to the sidewalks.

As you enter the Visible Changes salon in Baybrook Mall, you can’t help but to hope you’ll be leaving looking like one of the stylists with enviable magazine-worthy hair. To start, you are introduced to a salon apprentice like Matthew Andrade. He’ll greet you with a calm smile, ask about your day, and start the process both carefully and quickly.

Usually when people set out to embark on their future goals, it’s something they’ve thought about, researched, or simply have always wanted to do since they can remember. For Andrade, it started out as literally living someone else’s dream.

“My stepsister, Jennifer, always wanted me to do something with my life, and better myself,” said the 23-year-old San Jacinto College (SJC) cosmetology student. “She wanted me to get into this industry, and when she was 16, she was in a car accident. So now, I’m doing this for her. I’m finishing what she started, and I know she’d be pretty proud.”

By day, Andrade works in shipping and receiving at a local logistics company. In the evenings, he attends cosmetology classes at the SJC South campus, and works at the Visible Changes salon on weekends. He started the cosmetology program by taking the introductory haircutting course. Once he realized he really liked what he was learning, everything took off from there. But as life often goes, Andrade would be faced with an all too familiar, terrifying situation.

“As you enter the Visible Changes salon in Baybrook Mall, you can’t help but to hope you’ll be leaving looking like one of the stylists with enviable magazine-worthy hair.”

“About a year and a half ago, right after I started taking my cosmetology classes, I was hit by an 18-wheeler. Somehow, amazingly, I walked away from the accident with no scratches.”

After facing his own reality shock, Andrade became even more focused and determined to invest in his future goals. He found that his that his main interest lies in color, and has hopes to become the first male colorist at Visible Changes.

“So far I’ve learned a lot on how to talk to clients and market myself,” he said. “I used to be really shy and quiet, and in this industry, you can’t be shy. These skills have actually helped me in my full-time job as well, since I am now on the safety committee, and I help put forth new ideas for safety in the workplace.”

Mary Lindsay, department chair for the South campus cosmetology department, is thrilled to see Andrade succeeding. “I am excited to see him entering the industry. He’s always had such a positive attitude. He really is a breath of fresh air,” she said.

Aside from becoming a colorist, Andrade also hopes to inspire future students who are looking to become cosmetologists. “I would like to become a cosmetology instructor here at San Jac. I’d like to encourage students to stick with the program and help them find the area they’d like to get into. I’d stress to them that hard work definitely pays off.”

Ultimately, he approaches each day as it comes, taking every step forward with the collected confidence he’s gained through course work and on the job experience. “You have to be humble. You will learn so much more that way.”

For other students like Ivan Geeters, cosmetology provides a beneficial career change, but like any reward worth pursuing, it does not come without sacrifice.

At 37 years old, Geeters has always had the stereotypical “working man” job. He’s had experience doing everything from truck driving and shipping and receiving, to architecture and car repair, just to name a few. After two years as a journeyman at a local engineering company, Geeters was laid off; something that many of today’s workforce has had to endure due to a slow economy. He decided that things needed to change fast in order to support his three children, and to finally find a career he enjoyed.

“I wanted a challenge this time,” said Geeters. “I didn’t want something that was just going to lead to another ‘job’. I looked at all the technical programs available at San Jac, called the cosmetology department to see what skillsets I had to have, and they told me I didn’t need any; they would provide all my training.”

After making the decision to enroll in the cosmetology program, Geeters decided it was best to go to school full-time in order to get all of his courses completed quickly. “I’ve had to sacrifice a lot. Since I’m in school full-time, I can’t commit to a full-time job right now. It’s been a huge struggle financially, but I’ve learned to budget. I just want to show my kids that hard work pays off,” he said confidently.

“Ivan has such great enthusiasm for the industry. He’s an excellent student, and is setting a great example for his children, showing them that dreams are always possible with hard work,” added Lindsay.

At first he kept the decision about his new career change from friends and family, for fear they wouldn’t take his decision seriously. After all, this was a completely different area than he’s ever been involved in. Once he started taking more classes and getting closer to completion, he decided the time was right to let them know what his new future would entail.

“Oh they definitely made their jokes at first, but now they love it. They know I’m serious and passionate about it. I even style my daughters’ hair,” he said.
For me, it’s totally brand new,” he might come as second nature to them. Things with their hair, so most of this said. “It is not easy by any means. professionals in this industry,” he coloring. “I have a new respect for he looks forward to styling and he has just started the program, in January of this year. Although Wagner enrolled in the cosmetology program at the SJC Central campus in September of 2010, Wagner lost the job he had selling sheetrock. His girlfriend, Kelly, had been a stylist for over 26 years, and when they came across an opportunity to purchase their own salon, they jumped on it.

“Kelly had been doing this for a while now, and she loves it. When we bought the salon, I thought, why not cut hair too since we’ll be running everything anyway,” he said.

Wagner enrolled in the cosmetology program at the SJC Central campus in January of this year. Although he has just started the program, he looks forward to styling and coloring. “I have a new respect for professionals in this industry,” he said. “It is not easy by any means. Most women probably grow up doing things with their hair, so most of this might come as second nature to them. For me, it’s totally brand new,” he laughed.

Like many other students, Wagner had various jobs in different areas such as restaurant work, sales, and even traveling on the road with country music artist Mickey Gilley. Now at 45 years old, after purchasing the salon with Kelly, he decided that being a professional in the industry would also give him more insight into making their business better for them and their clients.

“I’ve been told that personality is half this business, and everyone that knows me says that I’ve never met a stranger. I look forward to being able to have a client come in with a picture of what they want their hair to look like, and being able to accomplish that look for them,” said Wagner.

As for cosmetology being known as a mostly female-oriented industry, Wagner encourages more males to enter the profession regardless of what they may think others opinions might be. “Starting is always scary, but just stick with it if that’s what you love to do. The people that support you are all that matter. They’re the ones who want you to succeed in whatever it is you want to do. If this is what you’re interested in, you don’t need anyone else to justify that.”

At each of the San Jacinto College campuses, the cosmetology department offers two associate of applied science degrees and certificates of technology in cosmetology operation and cosmetology instruction, and a certificate of technology as a cosmetology high school operator. Other occupational certificates available include cosmetology facialist, nail technician, and a hairweaving marketable skills achiever award program (MSA). According to the Texas Workforce Commission, the average state certified salon stylist, chemical specialist, nail technician, and make-up artist can enter the industry with an annual salary upward from $25,000 and with experience can earn $30,000 and upward.

Students can earn their associate degree or certification within one year at one-third the cost of other cosmetology schools. As a Pivot Point school, the College has been training salon entry-level stylists for over 25 years with courses in hair design, haircutting, chemical reformation, principles of hair coloring, salon development, and a preparation class for the state licensing exam. Students are also eligible to participate in the Skills USA competition, which enables students to compete in skills competitions, meet nationally recognized salon professionals, and gain leadership experience.

Associated of Applied Science - Cosmetology Operator (Four terms)
Introduction to Haircutting Related Theory
Orientation to Cosmetology
Chemical Reformation and Related Theory
Salon Development
Preparation for the State Licensing Written Exam
Artistry of Hair Design II
Intermediate Haircutting and Related Theory
Principles of Hair Coloring and Related Theory
Advanced Hair Design
Preparation for the State Licensing Written Exam
Business Computer Applications or Integrated Software Applications
English Composition I
PHED Activity
Contemporary Mathematics for Technical Programs
Speech
Humanities or Fine Arts
Behavioral or Social Science

Certificate of Technology - Cosmetology Operator (Three terms)
Artistry of Hair Design I
Introduction to Haircutting Related Theory
Orientation to Cosmetology
Chemical Reformation and Related Theory
Salon Development
Preparation for the State Licensing Written Exam
Artistry of Hair Design II or Advanced Cosmetology Techniques
Intermediate Haircutting and Related Theory
Principles of Hair Coloring and Related Theory
Advanced Hair Design
Preparation for the State Licensing Written Exam

Below are suggested requirements for the Associate of Applied Science and Certificate of Technology for the cosmetology operator program at San Jacinto College. For more information, please visit www.sanjac.edu.
et's face it. Figuring out how to pay for college can be intimidating. With the rising cost of tuition and fees across the country, you may think that the only way you can attend college is to improve your jump shot or win the lottery. Not true! The good news is that there is help out there for students just like you.

Don't assume that you won't qualify for financial aid because you or your parents may make too much money, or don't have high enough grades. Everyone should fill out a FAFSA (Free Application for Federal Student Aid) to determine his or her eligibility.

The FAFSA will help schools decide what financial aid you may qualify for. According to the U.S. Department of Education, every year more than 10 million students are helped through grants, low-interest loans, and work-study programs.

The first step in understanding the student financial aid and FAFSA process is to understand the different types of aid:

- **Grants.** This type of financial aid awards money to students and does not have to be repaid. There are several different grants available to students and the award amounts differ depending on the grant.

- **Federal work-study programs.** Money is earned while attending school, and does not have to be repaid. Jobs can be on-campus or off-campus, and pay can vary, but there are no minimum or maximum amounts that can be earned.

- **Low-interest student loans.** While this form of financial aid must be repaid, some loans are subsidized by the U.S. Department of Education. That means that the interest will be paid while the borrower is in school and during grace periods. Students must attend school at least half-time to qualify.

- **Alternative loans.** These are available through outside financial institutions, which are not in conjunction with federal programs. Interest rates are variable and borrowers must qualify for the loan based on their credit scores.

- **Scholarships.** In addition to federal aid, there are scholarships available through the San Jacinto College Foundation. For the 2008-09 academic year, the San Jacinto College Foundation helped to facilitate more than $900,000 in scholarships for San Jacinto College students.

The second step is to APPLY! With all of the options out there, applying is a no-brainer, especially because it's easy and free! All you have to do is fill out the FAFSA form, which is available online at www.fafsa.ed.gov, and be sure to enter the San Jacinto College school code 003609. Financial aid specialists at the College are also available to assist you with completing the form.

### FAFSA Checklist

Make sure you have the following documents before you begin the FAFSA:

- Your Social Security Number. If you do not have a social security number, please call San Jacinto College at 281-998-6150 and ask to speak with a financial aid representative on the campus of your choice.

- Your driver’s license (if any).

- Most recent W-2 forms and other records of money earned.

- Your (and your spouse’s, if you are married) most recent Federal Income Tax Return – IRS Form 1040, 1040A, 1040EZ, foreign tax return, or tax return for Puerto Rico, Guam, American Samoa, the U.S. Virgin Islands, the Marshall Islands, the Federated States of Micronesia or Palau.

- Your parents’ most recent Federal Income Tax Return (if you are a dependent student).

- Your most recent untaxed income records – Social Security, Temporary Assistance to Needy Families, welfare, or Veterans benefits records.

- Your most recent bank statements.

- Your most recent business and investment mortgage information, business and farm records, stocks, bonds, and other investment records.

- If you are not a United States citizen, you will your alien registration number or permanent residence card.

There are many scholarship and financial aid scams out there. Never give out personal information unless you know the company is legitimate.

Don't let money affect your decision to attend college. San Jacinto College can help you realize your goals. We are committed to helping you succeed! CF
Interior design students seek higher education as competition increases within field

By Jeannie Peng-Armao

San Jacinto College (SJC) student Trey Short of Pearland, is out to “make a name” for himself by turning spaces into beautiful havens.

“As a child, I would watch my grandmother, who was an interior designer,” said Short. “I loved the way she used color. Her house had bright walls and crazy patterns; she was always changing up her rooms.”

Following in his grandmother’s footsteps, Short is pursuing a career in interior design at SJC Central. However, unlike past decades, he realizes interior designers are in need of more education to compete in today’s industry. Postsecondary education is necessary for entry-level positions in interior design, according to the U.S. Bureau of Labor Statistics (BLS).

After the completion of formal training, interior designers may enter a one-year to three-year apprenticeship to gain experience before working on their own. Most apprentices work in design or architecture firms under the supervision of an experienced designer. Apprentices also may choose to gain experience working as an in-store designer in furniture stores.

Short has already gained some experience, working as a visual merchandiser for the clothing store, Forever 21. He hopes to one day manage his own practice.

“I definitely want to make a name for myself,” said Short. “I chose interior design because I’m not the type of person who can sit at a desk all day; I like to keep moving. I really enjoy coordinating colors and want people to make people feel comfortable in their space.”

While studying at SJC, Short will learn about textiles and their use within the design trade. He will also study space planning principles; the principles and elements of design; residential design; commercial design; presentation board preparation; perspective drawing; the history of design, interiors, and furniture; materials used and the methods in which they are applied; estimations for interiors; as well as various drafting skills obtained through a basic drafting class, residential and commercial drafting classes, and AutoCAD.

David Vanover, program director for the interior design department, strongly encourages students to obtain their bachelor’s degree after completing a two-year program and a third-year certificate, even though the state of Texas does not require a four-year degree to practice interior design.

“My first degree was a Bachelor of Science in Finance, and I have found that my business background has served me well in my design career,” he said, adding that a degree in interior design can be used to pursue a variety of career options. “Many of our students come to our program to prepare a portfolio that will help them get into an architecture program or other interior design-related programs.”

In recent years, approximately 30 percent of interior designers worked in specialized design services, according to the BLS. Additionally, 14 percent of interior designers provided design services in architectural and landscape architectural services, and 9 percent worked in furniture and home-furnishing stores. Many interior designers also performed freelance work in addition to holding a salaried job in interior design or another occupation.

The SJC interior design program is accredited by the Southern Association of Colleges and Schools and prepares students for work as an independent designer; at a design firm or architectural firm; in product design; as manufacturers representatives; in showroom sales, television and print markets; in hospitality design; with Leadership in Energy and Environmental Design (LEED); and for work in staging for realtors and more.

As employment of interior designers is expected to grow 19 percent by 2018, an awareness of interior design benefits will also increase demand for designers in such areas as retail, as businesses bounce back from the recession, and real estate, as homeowners look for a competitive edge when selling property.

“There are many fields in which an interior design degree can be applied,” said Vanover. “From the moment we arise in the morning until we retire at night all of the products we use, the clothes we wear, the cars we drive, and the furniture we sit on had to be designed by someone. The opportunities afforded to our graduates are directly related to how much they want to succeed.”

Vanover encourages those who are interested to stop by the department for a visit with faculty members to find out more about the program. Prospective students may also email him at David.Vanover@sjcd.edu or call 281-476-1501 ext. 1473.

Trey Short aims to have an enjoyable interior design career making clients feel comfortable in their own homes. Inspired by his grandmother, who also worked as a designer, Short is earning his associate degree to compete in today’s growing industry.
Automotive collision repair work combines technology and creativity

By Rob Vanya

San Jacinto College (SJC) offers a complete training program in the ever-changing field of automotive collision repair, providing flexible course options for today’s busy college students.

The College offers occupational certificate and certificate of technology programs that enable students to learn the basics after only one year of training. The College also offers a two-year associate of applied science degree program for those who want to take their craft to the next level.

Lora Ginn, who lives in Humble and graduated from Nimitz High School, says San Jacinto College had just what she was looking for in the way of auto collision training. “San Jac is one of the few, if not the only, schools in the area that teaches students by allowing the students to work on personal projects,” she commented. “I find that very helpful because it allows you to work at your own pace, while getting plenty of practice.”

Ginn developed an interest in auto collision repair work at an early age, and has now decided to pursue the craft as a career. “I grew up around cars and have been in the motorcycle industry for quite awhile, and I have a deep passion and love of both,” she remarked. “With my background and love of art as well, it’s the best of both worlds for me.”

Bodywork is one area of the automotive industry that joins technology with creativity, which is what Ginn finds rewarding about the craft. “I love being able to work on and be around cars, as well as the creativity that goes along with bodywork,” she said. SJC offers a certificate of technology program in automotive non-collision repair that allows students latitude to be more creative with their automotive bodywork. The program includes courses that cover vehicle design and structural analysis, as well as basic, intermediate, and advanced refinishing course work.

Not many women work in the auto collision repair field, but Ginn is undaunted and determined to succeed. “It’s definitely a huge challenge, but absolutely worth it if it’s your passion,” she commented. “You also have to have a really thick skin, along with the drive and will to stay with it.”

San Jacinto College is helping her to stay on track and maintain her focus. “I chose San Jacinto College for several reasons,” she said. “Aside from it being an obviously better choice because it offers more courses compared to others, the well-equipped shop and great teachers make it a great place to learn.”

Once Ginn graduates from San Jacinto College in May 2011, she will be well prepared for the next steps on her career path. “For some time, I planned to go straight into a body shop and work my way up, but recently, I think I’ve decided to start in the insurance business and build connections to find a good place for me,” she said. “This will help me in my ultimate career goal, which is to own my own body shop.”

SJC auto collision technology instructor Glen Kirkwood says the business is different than many others in one key aspect. “It’s one of those careers where you can make money based on how much you accomplish, and not strictly on how many hours you work,” he commented.

It’s also unique because it can be a “fast track” career path. “Auto collision students are often trained enough to be ready for work after only one semester, and if they apply themselves can finish their education in one year,” Kirkwood said.

Also, a well-trained auto collision technician can generally count on plenty of work even when the economy is slow. “There are always people who need vehicles to be repaired, whether it’s late-model cars with collision damage, or

**Approximate annual wages for the automotive collision repair industry.**

- Entry-level worker – $24,483 ($11.77 per hour)
- Experienced worker – $45,887 ($22.06 per hour)
- Median wage – $34,669 ($16.67 per hour)

*Source: Texas Industry Profiles (March 2011), www.texasindustryprofiles.com*
Electronics student raises the bar for other female students

By Andrea Vasquez

ormally you can expect to see the usual classroom full of men, both young and old, getting ready to learn the day’s class in linear integrated circuits, electromechanical systems, robotics, or any other class in the electronics program at San Jacinto College. That is until female students, such as Koretta Knox, enter the program, not only changing the student makeup, but the industry as well. Currently in the robotics class at the San Jacinto College Central campus, Knox says that she’s able to hold her own with the guys in the class. “At first all the guys think they’re smarter than you. But once you start answering questions, working on your projects, and demonstrating the same skills or better, they start taking you seriously,” she said smiling.

Knox began taking courses in the electronics program in August of 2009, after becoming frustrated with earning a minimum wage salary. Another big influence on her decision to enter the industry was her father, who does instrumentation for Dow Chemical. “If my father wouldn’t have had the confidence in me that he did, I probably never would have started,” said Knox.

The robotics industry is one that is steadily taking off. Their uses can already be seen in everything from harvesting crops, automobile testing, and manufacturing, to military surveillance, hospitals, and space research. According to the Bureau of Labor Statistics and the Texas Workforce Commission, Texas has a higher average salary for electro-mechanical technicians, which starts around $53,000 a year, compared to the national average, which starts around $49,800. This is mostly due to the high volume of energy companies in the Texas’ gulf-coast areas.

Knox will be receiving both of the electronics program’s technology certificates in electronics technology and emerging electronics technician at the end of this semester. This summer, she will also receive her associate of applied science in electronics technology. Hearing from her father’s experience and through her own research, she’s come to see how her degree and certification from San Jacinto College will make her more of an asset to a company she’ll work for, as opposed to someone who only has one specific skillset.

“In the past, chemical plants would look for people with either instrumentation degrees or electronics degrees. The instrumentation techs would take measurements, and the electronic techs would come in and do any repairs that had to be made. Now they are combining the two positions, so with my degree and certifications, I’ll be eligible for electronics, IT, and automation positions.”

Although still considered as a non-traditional career for women, Knox says that’s just a “stereotype,” and that more women should look into getting their foot in the door, especially when it comes to these kinds of courses in their education.

“If you like math, and you’re curious about what makes things work, you’re a great fit for electronics. I myself have always been interested in understanding micro-processing, building, and programming machines. When you think about it, there’s no ‘heavy lifting’ involved, so why let the fact that it’s ‘mainly guys’ intimidate you? It’s all strictly using your brain to solve problems and to analyze things. You never even really get dirty,” she laughed.

The San Jacinto College electronics program offers an associate of applied science in electronics technology, and two certificates of technology in electronics technology and emerging electronics technician. These degree and certificate programs are designed to fulfill the need for technical people in electronics and computer related fields that include communications, aerospace, security, robotics, remote access, specialized networks, and remote control fields. Students will learn industry skills needed by taking courses such as DC circuits, digital fundamentals, sensors and automation, troubleshooting, industrial electronics, and technical report writing.

Below are suggested requirements for the Associate of Applied Science and Certificate of Technology for the electronics technology program at San Jacinto College. For more information, please visit www.sanjac.edu.

**Associate of Applied Science- Electronics Technology**

**Four terms**
- DC Circuits
- Digital Fundamentals
- English Composition I
- Speech
- Introduction to PC Operating Systems
- Contemporary Mathematics or College Algebra
- PHED Activity
- AC Circuits
- Digital Systems
- Solid State Devices
- Sensors
- Computer System Troubleshooting or Approved Elective
- PHED Activity
- Electromechanical Systems or Programmable Logic Controllers I
- Linear Integrated Circuits
- Computer Networking Technology or Cisco Exploration I - Network Fundamentals
- Industrial Electronics
- Technical Report Writing
- Humanities or Fine Arts
- Telecommunications Transmission Media or Approved Elective
- Research and Project Design or Approved Elective
- Convergence Technologies or Approved Elective
- Certified Electronics Technician Training or Practicum (or Field Experience) Electrical, Electronic and Communications Engineering Technology/Technician
- Behavioral or Social Science
- Telecommunications Transmission Media or Approved Elective
- Research and Project Design or Approved Elective
- Convergence Technologies or Approved Elective
- Certified Electronics Technician Training or Practicum (or Field Experience) Electrical, Electronic and Communications Engineering Technology/Technician

**Certificate of Technology- Electronics Technology**

**Three terms**
- DC Circuits
- Digital Fundamentals
- Personal Computer Hardware
- AC Circuits
- Digital Systems
- Solid State Devices
- Computer System Troubleshooting or Approved Elective
- Sensors and Automation
- Telecommunications Transmission Media
- Communications Circuits or Approved Elective
- Electromechanical Systems or Programmable Logic Controllers I
San Jacinto College is a public community college in East Harris County, Texas, serving a district defined by the combined areas of the Channelview, Deer Park, Galena Park, La Porte, Pasadena and Sheldon Independent School Districts. San Jacinto College is located in one of the nation’s greatest and most diverse cities. Houston, the nation’s fourth-largest city, is a focal point for art and culture; is home to industries from entertainment to petrochemical, and from space exploration to medicine; and boasts more than two million people. The Port of Houston, one of the top 10 largest ports in the world, borders the College district.

We offer more than 140 degree programs and certificates, as well as academic transfer programs and workforce training. For more information, please visit the San Jacinto College website at www.sanjac.edu, call a counselor at 281-998-6150, or pick up a class schedule at the campus nearest you! CF

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture &amp; Construction</td>
<td>Air Conditioning Technology</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>N, S</td>
<td>Entry-level technicians in residential and light commercial air conditioning, refrigeration and heating.</td>
</tr>
<tr>
<td></td>
<td>Electrical Technology</td>
<td>Associate of Applied Science, Certificate of Technology, Occupational Certificate of Technology</td>
<td>C, N, S</td>
<td>Entry-level jobs in the fields of construction, maintenance, design, residential, industrial, commercial and other electrical-related industries.</td>
</tr>
<tr>
<td></td>
<td>Engineering Design Graphics (Drafting, C.A.D.)</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment in 3D technical animation, 3D solid modeling, architecture, electronics, topographic, mechanical, structural and piping.</td>
</tr>
<tr>
<td></td>
<td>Interior Design</td>
<td>Associate of Applied Science, Certificate of Technology, Professional Certificate of Technology</td>
<td>C</td>
<td>Employment as a home decorator or interior designer.</td>
</tr>
<tr>
<td></td>
<td>Welding Technology</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N</td>
<td>Employment as a welding technician or structural welder in fabrication, construction and manufacturing industries.</td>
</tr>
<tr>
<td>Arts &amp; Sciences</td>
<td>Anthropology</td>
<td>up to 9 credit hours</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Art</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Employment as an artist or for transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Astronomy</td>
<td></td>
<td></td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Biology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Allied health / pre-professional programs.</td>
</tr>
<tr>
<td></td>
<td>Chemistry</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Dance</td>
<td>Associate of Arts</td>
<td>S</td>
<td>Employment as a performer, choreographer, dance educator or transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Drama</td>
<td>Associate of Arts</td>
<td>C, S</td>
<td>Employment in professional theatre or film, arts administration, education, general business, communications and media, and the entertainment industry.</td>
</tr>
<tr>
<td></td>
<td>Economics</td>
<td></td>
<td></td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>English, Language Arts &amp; Reading</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Environmental Science</td>
<td>Associate of Science</td>
<td>C, N, S</td>
<td>Employment in the field performing laboratory and field tests to monitor the environment and investigate sources of pollution. Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Foreign Language</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Geography</td>
<td>Associate of Applied Science</td>
<td>C</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>Geology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Employment in the petroleum industry, paleontology, field and laboratory research, teaching.</td>
</tr>
<tr>
<td></td>
<td>Government</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td></td>
<td>History</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
</tr>
<tr>
<td>Area of Study</td>
<td>Degree/Certificate</td>
<td>Campus</td>
<td>Prepares You For</td>
<td>Salary Range*</td>
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</tr>
<tr>
<td>Journalism / Communications</td>
<td>Associate of Arts</td>
<td>C</td>
<td>Transfer to a four-year institution.</td>
<td>$33,883</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Mexican American Studies</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Music</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Philosophy</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Physics</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Psychology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Speech</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Arts, A/V Technology & Communications**

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Art</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Employment as an artist or for transfer to a four-year institution.</td>
<td>$41,332</td>
</tr>
<tr>
<td>Audio Engineering</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in recording studios, television and radio stations, convention centers, hotels, churches and other private entities.</td>
<td>$32,838</td>
</tr>
<tr>
<td>Dance</td>
<td>Associate of Arts</td>
<td>S</td>
<td>Employment as a performer, choreographer, dance educator or transfer to a four-year institution.</td>
<td>Varies</td>
</tr>
<tr>
<td>Drama</td>
<td>Associate of Arts</td>
<td>C, S</td>
<td>Employment in professional theatre or film, arts administration, education, general business, communications and media, and the entertainment industry.</td>
<td>Varies</td>
</tr>
<tr>
<td>English, Language Arts &amp; Reading</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Interior Design</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment as a home decorator or interior designer.</td>
<td>$40,948</td>
</tr>
<tr>
<td>Music</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Speech</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Visual Communications</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, S</td>
<td>Employment in commercial art and design, desktop publishing, 3D animation, multimedia development, video and post-production in a variety of industries.</td>
<td>$38,661</td>
</tr>
<tr>
<td>Accounting</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as a beginner accountant or bookkeeper.</td>
<td>$30,946</td>
</tr>
</tbody>
</table>

**Business Management & Administration**

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as a beginner accountant or bookkeeper.</td>
<td>$38,692</td>
</tr>
<tr>
<td>Business</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Business Administration</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Business Management Supervision Option</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as a first-line supervisor in a business organization.</td>
<td>$34,806</td>
</tr>
<tr>
<td>Business Software Specialist</td>
<td>Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as an office clerk at a school, hospital, corporate, legal or medical office, and government agency.</td>
<td>$33,062</td>
</tr>
<tr>
<td>Executive / Administrative Assistant</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N, S</td>
<td>A variety of administrative duties such as planning meetings, scheduling appointments, preparing reports, greeting visitors, and organizing an office.</td>
<td>$34,749</td>
</tr>
<tr>
<td>General Office Clerk</td>
<td>Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as an entry-level office clerk.</td>
<td>$23,359</td>
</tr>
<tr>
<td>International Business &amp; Logistics</td>
<td>Associate of Applied Science, Occupational Certificate of Technology</td>
<td>N</td>
<td>Entry-level management positions in a global business environment.</td>
<td>Varies</td>
</tr>
<tr>
<td>Legal Secretary</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N</td>
<td>Employment in a law office.</td>
<td>$40,696</td>
</tr>
<tr>
<td>Medical Administrative Assistant</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment in a medical office setting as a receptionist, administrative assistant or office specialist.</td>
<td>$27,255</td>
</tr>
<tr>
<td>Paralegal</td>
<td>Associate of Applied Science</td>
<td>N</td>
<td>Employment as a paralegal or legal assistant in the public and private sectors of legal practices.</td>
<td>$56,114</td>
</tr>
<tr>
<td>Small Business Entrepreneur</td>
<td>Associate of Applied Science</td>
<td>C, N, S</td>
<td>Entry into company ownership or transfer to a four-year institution.</td>
<td>Varies</td>
</tr>
<tr>
<td>Area of Study</td>
<td>Degree/Certificate</td>
<td>Campus</td>
<td>Prepares You For</td>
<td>Salary Range*</td>
</tr>
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</tr>
<tr>
<td>Computer Information Technology</td>
<td>Business Software Specialist</td>
<td>Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as an office clerk at a school, hospital, corporate, legal or medical office, and government agency.</td>
</tr>
<tr>
<td></td>
<td>Desktop Support and Network Administration</td>
<td>Associate of Applied Science, Certificate of Technology, Occupational Certificate</td>
<td>C, N, S</td>
<td>Install, maintain, repair, replace and upgrade desktop computers, as well as work as Microsoft computer network service technicians, with an emphasis placed on installing and maintaining networks.</td>
</tr>
<tr>
<td></td>
<td>Database Design</td>
<td>Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment in the expanding and exciting database field to analyze, design, implement or maintain large industrial database systems.</td>
</tr>
</tbody>
</table>

### Education & Training

#### Teaching
- **Associate of Arts in Teaching**
  - Campus: C, N, S
  - Prepares You For: Employment as a teacher in elementary or secondary education.
  - Salary Range: Varies

#### Teaching fields / academic discipline concentrations for grades 8-12 certification
- Dance; English; Language Arts & Reading; Foreign Language; Geography; History; Journalism / Communications; Life Sciences; Mathematics; Mathematics, Physical Science & Engineering; Mathematics & Physics; Physical Sciences; Science; Social Studies; Speech

#### Teaching fields / academic discipline concentrations for EC-12 all-level certification
- Art; Physical Education; Theatre

### Finance

#### Accounting
- **Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology**
  - Campus: C, N, S
  - Prepares You For: Employment as a beginner accountant or bookkeeper.
  - Salary Range: $38,692

#### Business Administration
- **Associate of Arts**
  - Campus: C, N, S
  - Prepares You For: Transfer to a four-year institution.
  - Salary Range: N/A

### Government & Public Administration

#### Government
- **Associate of Arts**
  - Campus: C, N, S
  - Prepares You For: Transfer to a four-year institution.
  - Salary Range: N/A

#### History
- **Associate of Arts**
  - Campus: C, N, S
  - Prepares You For: Transfer to a four-year institution.
  - Salary Range: N/A

#### International Business & Logistics
- **Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology**
  - Campus: N
  - Prepares You For: Entry-level management positions in a global business environment.
  - Salary Range: Varies

### Social Sciences

#### Social Sciences
- **Associate of Arts**
  - Campus: C, N, S
  - Prepares You For: Transfer to a four-year institution.
  - Salary Range: N/A

### Speech

#### Speech
- **Associate of Arts**
  - Campus: C, N, S
  - Prepares You For: Transfer to a four-year institution.
  - Salary Range: N/A

### Health Science

#### Emergency Medical Technology
- **Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology**
  - Campus: C, N
  - Prepares You For: Employment with fire departments, private EMS services and hospitals.
  - Salary Range: $35,859

#### Eye Care Technology
- **Associate of Applied Science, Certificate of Technology**
  - Campus: C
  - Prepares You For: Employment in the eye care industry, including contact lens technician, ophthalmic assistant, ophthalmic surgical assistant, ophthalmic technician, optician, optometric assisting, retinal photographer, field service technician.
  - Salary Range: $36,000**

#### Fire Protection Technology
- **Associate of Applied Science, Certificate of Technology**
  - Campus: C
  - Prepares You For: Employment as a firefighter.
  - Salary Range: $45,297

#### Health Information Management
- **Associate of Applied Science, Certificate of Technology**
  - Campus: N
  - Prepares You For: Entry-level employment as a coder, biller, insurance technician, medical record technician, front office support, supervisor in a medical facility, doctor's office or insurance agency.
  - Salary Range: $27,715

#### Massage Therapy
- **Certificate of Technology**
  - Campus: C
  - Prepares You For: Employment as a massage therapist.
  - Salary Range: $31,303

#### Medical Assisting
- **Certificate of Technology**
  - Campus: N
  - Prepares You For: Employment in a physician's office or clinic performing routine administrative and clinical tasks.
  - Salary Range: $28,410

#### Medical Imaging Technology
- **Associate of Applied Science, Certificate of Technology**
  - Campus: C
  - Prepares You For: Employment in radiography, computed tomography, diagnostic sonography, and magnetic resonance imaging.
  - Salary Range: $50,739

#### Medical Laboratory Technology
- **Associate of Applied Science**
  - Campus: C
  - Prepares You For: Employment as laboratory professionals, supervisors, directors and researchers.
  - Salary Range: $27,243

#### Mental Health Services
- **Associate of Applied Science, Certificate of Technology**
  - Campus: N, S
  - Prepares You For: Employment as counselors, mental health technicians, social workers and substance abuse counselors.
  - Salary Range: $33,350
<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Nursing - Registered Nurse (RN)</td>
<td>Associate of Science, Associate of Applied Science</td>
<td>C, N, S</td>
<td>Employment in the nursing field or transfer to a four-year institution.</td>
<td>$60,688</td>
</tr>
<tr>
<td>Nursing - LVN-RN</td>
<td>Associate of Applied Science</td>
<td>S</td>
<td>Employment in the nursing field or transfer to a four-year institution.</td>
<td></td>
</tr>
<tr>
<td>Nursing - Paramedic-RN Mobility</td>
<td>Associate of Applied Science</td>
<td>C</td>
<td>Employment in the nursing field or transfer to a four-year institution.</td>
<td></td>
</tr>
<tr>
<td>Nursing - Paramedic-RN Transition</td>
<td>Associate of Applied Science</td>
<td>C</td>
<td>Employment in the nursing field or transfer to a four-year institution.</td>
<td></td>
</tr>
<tr>
<td>Occupational Health &amp; Safety Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in the safety / environmental field working to eliminate conditions in the work place that may result in occupational injury or disease.</td>
<td>$47,712 - $60,716</td>
</tr>
<tr>
<td>Pharmacy Technician</td>
<td>Certificate of Technology</td>
<td>N, S</td>
<td>Employment in hospital, retail and home fusion pharmacies.</td>
<td>$28,346</td>
</tr>
<tr>
<td>Physical Therapy Assistant</td>
<td>Associate of Applied Science</td>
<td>S</td>
<td>Employment in a variety of settings working under the supervision of a physical therapist.</td>
<td>$50,788</td>
</tr>
<tr>
<td>Respiratory Care</td>
<td>Associate of Applied Science</td>
<td>C</td>
<td>Deliver therapeutic procedures, assist doctors in performing diagnostic procedures, and provide emergency cardiopulmonary care in the emergency room.</td>
<td>$49,040</td>
</tr>
<tr>
<td>Surgical Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment as scrub technicians, surgical technicians, surgical orderlies or technicians.</td>
<td>$37,458</td>
</tr>
<tr>
<td><strong>Hospitality &amp; Tourism</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Chef’s Apprenticeship</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>N</td>
<td>Employment as a chef’s apprentice.</td>
<td>$19,769 - $34,588</td>
</tr>
<tr>
<td>Chef Training</td>
<td>Associate of Applied Science, Certificate of Technology, Certificate of Specialization</td>
<td>C</td>
<td>Employment as an assistant cook, chef, baker, baker’s helper.</td>
<td></td>
</tr>
<tr>
<td>Dietetics</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment as dietitians, nutrition counselors, school food service and private practice.</td>
<td>$48,967</td>
</tr>
<tr>
<td>Food Service Management</td>
<td>Associate of Applied Science, Certificate of Technology, Certificate of Specialization</td>
<td>C</td>
<td>Employment in food service operations as managers, supervisors, dietary technicians or other related occupations.</td>
<td>$49,133</td>
</tr>
<tr>
<td>Restaurant Management</td>
<td>Associate of Applied Science, Certificate of Technology, Certificate of Specialization</td>
<td>C</td>
<td>Employment as a supervisor / manager in a commercial food service setting.</td>
<td>$49,133</td>
</tr>
<tr>
<td><strong>Human Services</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Behavioral Sciences</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Child Development / Early Childhood Education</td>
<td>Associate of Applied Science, Associate of Arts, Certificate of Technology</td>
<td>C, N</td>
<td>Employment as a teacher, director or owner of a private, church-related, government, corporate or non-profit school for children, or as a teacher’s aide in a public school system, or transfer to a four-year institution.</td>
<td>Varies</td>
</tr>
<tr>
<td>Cosmetology</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as a cosmetologist, instructor or entrepreneur.</td>
<td>Varies</td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>Associate of Arts, Associate of Applied Science, Certificate of Technology</td>
<td>C, N</td>
<td>Employment in law enforcement, social services, criminal justice and fire and arson.</td>
<td>Varies</td>
</tr>
<tr>
<td>Mental Health Services</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>N, S</td>
<td>Employment as counselors, mental health technicians, social workers and substance abuse counselors.</td>
<td>$34,262</td>
</tr>
<tr>
<td>Psychology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Real Estate</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment at a realtor, broker, leasing agent or contract specialist.</td>
<td>$30,692</td>
</tr>
<tr>
<td>Sociology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td><strong>Law, Public Safety, Corrections &amp; Security</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Criminal Justice</td>
<td>Associate of Arts, Associate of Applied Science, Certificate of Technology</td>
<td>C, N</td>
<td>Employment in law enforcement, social services, criminal justice and fire and arson.</td>
<td>Varies</td>
</tr>
<tr>
<td>Emergency Medical Technology</td>
<td>Associate of applied science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N</td>
<td>Employment with fire departments, private EMS services and hospitals.</td>
<td>$35,859</td>
</tr>
<tr>
<td>Fire Protection Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment as a firefighter.</td>
<td>$45,297</td>
</tr>
<tr>
<td>Legal Secretary</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N</td>
<td>Employment in a law office.</td>
<td>$40,696</td>
</tr>
<tr>
<td>Occupational Health &amp; Safety Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in the safety / environmental field working to eliminate conditions in the work place that may result in occupational injury or disease.</td>
<td>$47,712 - $60,716</td>
</tr>
<tr>
<td>Paralegal</td>
<td>Associate of Applied Science</td>
<td>N</td>
<td>Employment as a paralegal or legal assistant in the public and private sectors of legal practices.</td>
<td>$56,114</td>
</tr>
<tr>
<td><strong>Manufacturing</strong></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>Instrumentation Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in the processing industry, oil exploration and production, municipal water treatment facilities, electrical powerplants and manufacturer field technician positions.</td>
<td>$47,191</td>
</tr>
<tr>
<td>Area of Study</td>
<td>Degree/Certificate</td>
<td>Campus</td>
<td>Prepares You For</td>
<td>Salary Range*</td>
</tr>
<tr>
<td>-------------------------------------</td>
<td>---------------------------------------------------------</td>
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<td>---------------------------------------------------------------------------------------------------------------------------------------------------</td>
<td>-------------------------------</td>
</tr>
<tr>
<td>Non-Destructive Testing Technology</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C</td>
<td>Employment as a welder, contractor, business owner, engineer or inspector.</td>
<td>Varies</td>
</tr>
<tr>
<td>Occupational Health &amp; Safety Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in the safety / environmental field working to eliminate conditions in the work place that may result in occupational injury or disease.</td>
<td>$47,712 - $60,716</td>
</tr>
<tr>
<td>Process Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment into either the operations division or laboratory department of a process plant.</td>
<td>Varies</td>
</tr>
<tr>
<td>Welding Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N</td>
<td>Employment in the manufacturing industry.</td>
<td>$32,911</td>
</tr>
</tbody>
</table>

**Marketing, Sales & Service**

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Business Administration</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Business Management Supervision Option</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment as a first-line supervisor in a business organization.</td>
<td>$50,054</td>
</tr>
<tr>
<td>Journalism / Communications</td>
<td>Associate of Arts</td>
<td>C</td>
<td>Transfer to a four-year institution.</td>
<td>$33,883</td>
</tr>
<tr>
<td>Real Estate</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment at a realtor, broker, leasing agent or contract specialist.</td>
<td>$30,692</td>
</tr>
<tr>
<td>Speech</td>
<td>Associate of Arts</td>
<td>C, N</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Visual Communications</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, S</td>
<td>Employment in commercial art and design, desktop publishing, 3D animation, multimedia development, video and post-production in a variety of industries.</td>
<td>$38,661</td>
</tr>
</tbody>
</table>

**Science, Technology, Engineering & Mathematics (STEM)**

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Biology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Allied health / pre-professional programs or transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Biotechnology</td>
<td>Associate of Science</td>
<td>S</td>
<td>Employment as technicians in biotechnology companies, chemical environments or research lab.</td>
<td>$35,294</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Engineering</td>
<td>Associate of Arts, Associate of Science</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Engineering Design Graphics (Drafting, C.A.D.)</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C, N, S</td>
<td>Employment in 3D technical animation, 3D solid modeling, architecture, electronics, topographic, mechanical, structural and piping.</td>
<td>$43,066</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Associate of Science</td>
<td>C, N, S</td>
<td>Employment in the field performing laboratory and field tests to monitor the environment and investigate sources of pollution or transfer to a four-year institution.</td>
<td>$38,468</td>
</tr>
<tr>
<td>Geology</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Employment in the petroleum industry, paleontology, field and laboratory research, teaching or transfer to a four-year institution.</td>
<td>Varies</td>
</tr>
<tr>
<td>Instrumentation Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in the processing industry, oil exploration and production, municipal water treatment facilities, electrical powerplants and manufacturer field technician positions.</td>
<td>$47,191</td>
</tr>
<tr>
<td>Interior Design</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment as a home decorator or interior designer.</td>
<td>$40,948</td>
</tr>
<tr>
<td>Mathematics</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
<tr>
<td>Physics</td>
<td>Associate of Arts</td>
<td>C, N, S</td>
<td>Transfer to a four-year institution.</td>
<td>N/A</td>
</tr>
</tbody>
</table>

**Transportation, Distribution & Logistics**

<table>
<thead>
<tr>
<th>Area of Study</th>
<th>Degree/Certificate</th>
<th>Campus</th>
<th>Prepares You For</th>
<th>Salary Range*</th>
</tr>
</thead>
<tbody>
<tr>
<td>Aeronautical Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment as professional pilots, airline dispatchers, aviation management and aircraft maintenance management.</td>
<td>Varies</td>
</tr>
<tr>
<td>Automotive Technology</td>
<td>Associate of Applied Science, Occupational Certificate of Technology, Certificate of Technology</td>
<td>C</td>
<td>Employment in the rapidly changing automotive repair industry. Programs include Toyota, Ford, General Motors, Honda.</td>
<td>$35,111</td>
</tr>
<tr>
<td>Commercial Truck Driving</td>
<td>Continuing Education Occupational Certificate of Technology</td>
<td>C</td>
<td>Employment as a commercial truck driver.</td>
<td>$39,398</td>
</tr>
<tr>
<td>Diesel Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>N</td>
<td>Employment in the repair and maintenance of diesel engines, heavy truck transmissions, brakes and differentials.</td>
<td>$33,614</td>
</tr>
<tr>
<td>Occupational Health &amp; Safety Technology</td>
<td>Associate of Applied Science, Certificate of Technology</td>
<td>C</td>
<td>Employment in the safety / environmental field working to eliminate conditions in the work place that may result in occupational injury or disease.</td>
<td>Varies</td>
</tr>
</tbody>
</table>

*Source: Texas Workforce Commission, www.texaswages.com, June 2010
**Source: Association of Technical Personnel in Ophthalmology
C=Central campus, N=North campus, S=South campus
Start a career as a...

Nail Technician

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With over 140 degrees and certificates, there’s really no limit to who you can become. Not only are our classes more affordable than most four-year universities, we also offer financial aid and scholarships to help you pay for college. For information or to enroll, visit sanjac.edu or call 281-998-6150.

Analyzer Technician Training

Receive training in analytical instrumentation technology for the installation, troubleshooting, and repair of online analyzers used to automate and control industrial processes and monitor emissions. Classes begin Fall 2011.

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INVENT YOURSELF.

Take part in Building the Future
Child Development/Early Childhood Education

San Jacinto College
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Learn about the Energy Industry this summer:
• Find out about cutting edge technology
• Work in teams and participate in hands-on interactive games, chemistry labs and a field trip
• Learn about career opportunities in the field

WHAT: EnergyVenture Camp  
FOR: Girls and guys 14 and older  
WHEN: One week camps in June and July  
WHERE: San Jacinto College Central, North and South Campuses in Pasadena and Houston

Corporate sponsors are providing scholarships to cover the cost of the camp—it’s FREE—no cost to the students. Daily snacks, field trip transportation, T-shirt and all supplies are included.

Space is limited. Plan to attend a registration session—call the hotline for details: 281.478.2772.

www.energyventurecamp.org