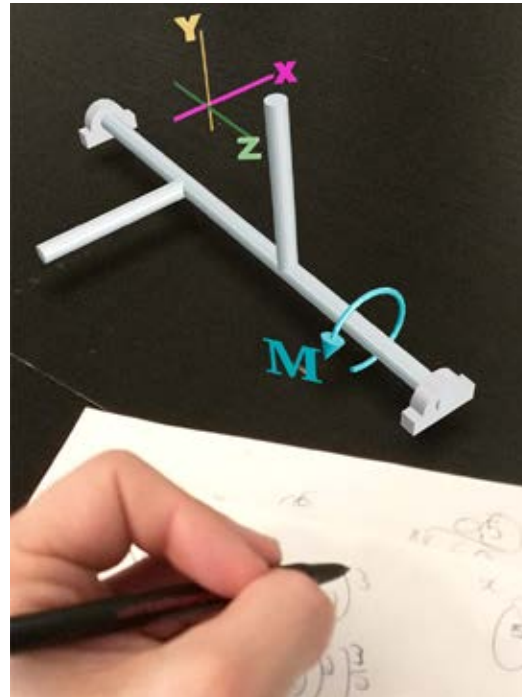
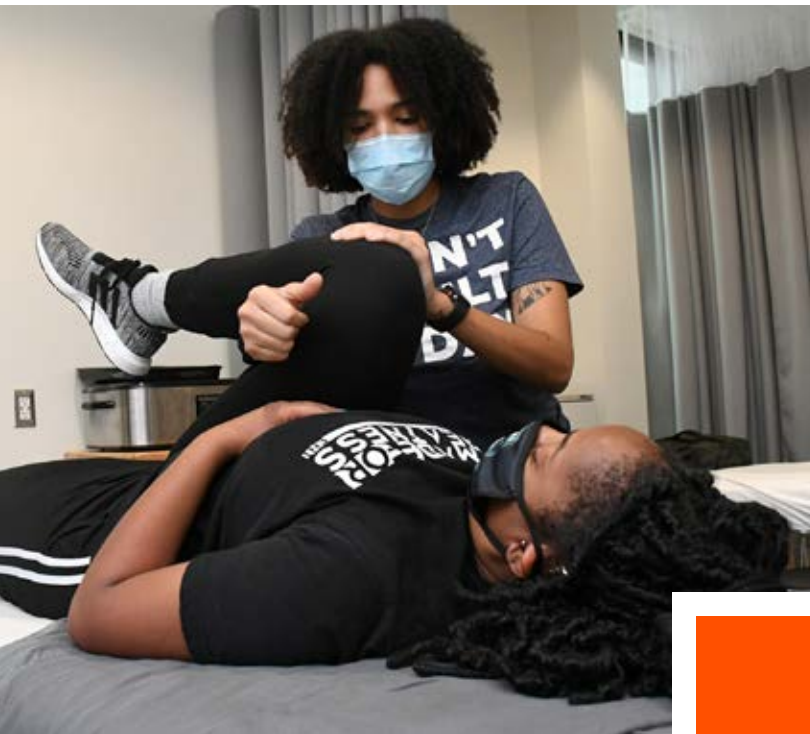


SAN JACINTO COLLEGESM CareerFocus

Summer 2021 Volume 2 • Issue 2

MASSAGE THERAPY PROGRAM celebrates new space, same solid training




Professor engineers **HOMEWORK TECHNOLOGY SOLUTION**



JOIN CLOUD COMPUTING FIELD with San Jac's new AAS degree program

San Jacinto College
4624 Fairmont Parkway
Pasadena, TX 77504

NON PROFIT ORG.
US POSTAGE
PAID
DALLAS, TX
PERMIT # 3328



San Jacinto Helping Others

Are you a compassionate, willing listener who is eager to help others during difficult times? If so, the San Jacinto College **Mental Health Services Program** can give you the training you need to provide counseling and other specialized services to individuals and families who need it most.

SAN JACINTO COLLEGE
An Equal Opportunity Institution

sanjac.edu/program/mental-health-services



PIPEFITTING TECHNOLOGY

CRAFT AN EXCITING FUTURE

- Hands-on training in a simulated fabrication shop at the College's Center for Industrial Technology
- High-demand career opportunities with world-class companies
- Get the training you need for NCCER exams and earn your certificate in one semester

SAN JACINTO COLLEGE sanjac.edu/program/pipefitting
An Equal Opportunity Institution



BECOME A KEY MEMBER OF A LEGAL TEAM

PARALEGAL

Paralegals, or legal assistants, support attorneys in areas like research, documentation, interviewing, scheduling, and more. The paralegal program at San Jacinto College provides you with knowledge and skills for employment in law firms, corporations, government agencies, and other legal departments.

Learn more at sanjac.edu/program/paralegal.
281-998-6150 | www.sanjac.edu

Connect with us on 

SAN JACINTO COLLEGE
An Equal Opportunity Institution

SMALL BUSINESSES: ARE YOU PREPARED?

San Jac's **Business Continuity - Proactive Planning and Prevention** course is a one-day workshop designed to help small business owners prepare for the "what-if" scenarios associated with natural disasters, pandemics, and other events.

Tues., July 20
8 a.m. - 4 p.m.

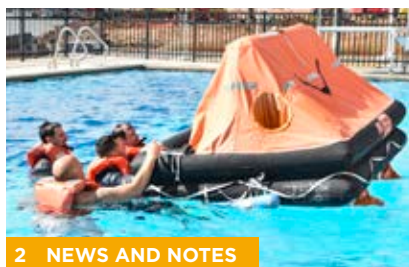
Central Campus
Building 1, Room 206



SAN JACINTO COLLEGE
An Equal Opportunity Institution

LEARN MORE AND ENROLL NOW!
sanjac.edu/CPD
281-542-2020

CareerFocus



2 NEWS AND NOTES



11 SAN JAC HAPPENINGS



4 MOOD CHANGERS



12 HOMEWORK TECHNOLOGY



6 MASSAGE THERAPY PROGRAM



17 CHOOSE YOUR PATH



8 CPD AND LIFELONG LEARNING



20 STUDENT SERVICES

- 2 News and Notes from around the College
- 3 San Jac named national Top 5 community college by Aspen Institute
- 4 Mood changers: Cosmetology students transform clients, themselves
- 5 San Jac students awarded Occidental scholarships
- 6 Massage therapy alumna: Program celebrates new space, same solid training
- 7 Finding common ground: Dr. Eddy Ruiz
- 8 Community Engagement, Professional Development, and Lifelong Learning at San Jac
- 9 San Jacinto College Aerospace Education Camps
- 10 Summer 2021 San Jac Happenings
- 11 Pathways to Careers
- 12 Professor engineers homework technology solution
- 14 Join cloud computing field with San Jac's new AAS degree program
- 15 The Partnership of Petrochemical Leaders at San Jacinto College
- 16 Perseverance personified: Veronica Capozzoli
- 17 Choose Your Path: Guide to Careers
- 20 Student services reach above and beyond academics



Visit San Jacinto College online at sanjac.edu. Call us at 281.998.6150.



Follow us on Facebook at facebook.com/SanJacintoCollege and Twitter and Instagram @SanJacCollege.

About San Jacinto College

Surrounded by monuments of history, evolving industries, maritime enterprises of today, and the space age of tomorrow, San Jacinto College has served the people of East Harris County, Texas, since 1961. San Jacinto College is among the top five community colleges in the nation, as designated by the Aspen Institute for Community College Excellence in 2021, and was named an Achieving the Dream Leader College of Distinction in 2020. The College spans five campuses, serving approximately 45,000 credit and non-credit students annually, and offers more than 200 degrees and certificates across eight major areas of study that put students on a path to transfer to four-year institutions or enter the workforce. San Jacinto College's impact on the region totals \$1.3 billion in added income, which supports 13,044 jobs.

CareerFocus is published three times a year by San Jacinto Community College District, 4624 Fairmont Parkway, Suite 210, Pasadena, Texas, 77504, in partnership with Academic Marketing Services.

All rights reserved. No part of the material printed may be reproduced or used in any form or by any means, electronic or mechanical, including photocopying, recording, or by any information storage retrieval system without the permission of the publisher.

©2021 San Jacinto Community College District

Questions about San Jacinto College programs and services described in this publication should be directed to the Contact Center at 281-998-6150. Comments or questions about the publication can be directed to the San Jacinto College Marketing, Public Relations, and Government Affairs Department at 281-998-6152.

Executive Editor: Amanda Fenwick,
Vice President, Marketing and Public Relations

Editor: Torrie Hardcastle,
Director of Public Relations

Contributing Writers: Torrie Hardcastle,
Courtney Morris, Melissa Trevizo, and Andrea Vasquez

Contributing Photographers: Courtney Morris,
Melissa Trevizo, and Andrea Vasquez

Read *CareerFocus* on your mobile device.



sanjac.mycareerfocus.org

NEWS AND NOTES

FROM AROUND THE COLLEGE



SAN JACINTO COLLEGE, CAPITAL IDEA HOUSTON TEAM UP TO TRAIN MARINERS

San Jacinto College and Capital IDEA Houston are co-recipients of a Port Houston grant to train future maritime workers.

The goal of the grant is to train 25 individuals in maritime logistics. Eligible students will take three courses and after successful completion are prepared for an entry-level training position alongside a seasoned mariner to learn vessel and company policies and procedures.

The three courses included in the free training are Tanker Man, Basic Training (first aid, CPR, basic firefighting, personal survival techniques, personal safety, and social responsibilities), and Vessel Personnel Designated Security Duties. To qualify for the free training, individuals must reside in the Greater Houston area, be 18 or older, be a U.S. citizen, have a high school diploma or GED, be at or below 200 percent of Federal Poverty Guidelines, have access to transportation, meet the minimum qualifications to obtain a TWIC card, and have a commitment to completing the program.

- Interested students should begin the application process at: <https://bit.ly/3b5i9I6>. For more information about the grant, visit www.capitalideahouston.org/sanjac or call 281-459-5483.

LYONDELLBASELL UNVEILS GLASS LAB AT SAN JACINTO COLLEGE CPET

LyondellBasell unveiled a world-class glass distillation lab at the LyondellBasell Center for Petrochemical, Energy, & Technology (CPET) at San Jacinto College on Friday, March 5.

“This training facility truly is unequalled in the state and in the country,” said Dr. Brenda Hellyer, San Jacinto College Chancellor. “The way that we work and partner with the industries that are a part of our community like LyondellBasell is important to the success of our students and to the success of the petrochemical industry.”

San Jacinto College’s partnership with LyondellBasell goes back many years—from developing of CPET and its curriculum to supplying volunteers to serve on steering committees and beyond.

“For years, the challenge has been in developing the workforce of the future,” said Michael VanDerSnick, senior vice president of Americas Manufacturing, LyondellBasell. “A partnership between higher education and industry was the solution, and the glass lab truly is the centerpiece of that partnership.”

The LyondellBasell glass distillation lab is a scaled model distillation plant which shows the chemical and physical processes that take place within a chemical plant. The plant is designed to be a hands-on training tool for the next generation of operators, teaching process technology and instrumentation.

What differentiates LyondellBasell’s glass distillation lab from others is that the model incorporates the mechanics of an entire distillation facility, while other process technology programs have single pieces of distillation equipment as a teaching tool. A key benefit of the glass lab is its transparency. Students will view vaporization, heat transfer, and condensation that is involved in the distillation process.

“There is nothing like this lab anywhere else in the world,” said Jim Griffin, associate vice chancellor, senior vice president, CPET. “Our students will have the opportunity here to learn hands-on using innovative technology in a one-of-a-kind facility.”



From left to right: Marie Flickinger, Chair, San Jacinto College Board of Trustees; Kory Haywood, representing Congresswoman Sylvia Garcia; Joel Herold, LyondellBasell; Dr. Brenda Hellyer, Chancellor, San Jacinto College; Chuck Ziegler, LyondellBasell; Michael VanDerSnick, senior vice president of Americas Manufacture, LyondellBasell; James Darby, LyondellBasell; Jay Burditt, LyondellBasell; David Gosnay, LyondellBasell; Holly Montondon, LyondellBasell; Pat Beard, LyondellBasell; Dan Mims, Member, San Jacinto College Board of Trustees

San Jac named national Top 5 community college by Aspen Institute

● By Andrea Vasquez

The Aspen Institute has once again named San Jacinto College a national Top 5 institution among more than 1,100 community colleges nationwide. The College received the Finalist with Distinction designation May 18 at the Aspen Prize for Community College Excellence virtual award ceremony.

“Receiving this honor clearly says we put students first,” said Dr. Laurel Williamson, deputy chancellor and president. “Students have many options when making decisions about college. Whether they are new high school graduates, returning students, or students who want to advance in or change their careers, the choices in the Houston area are vast. We are a College that cares. We prioritize student success by providing access and support that lead to equity for all students.”

The \$1 million Aspen Prize for Community College Excellence, awarded every two years, is the nation’s signature recognition for America’s community colleges. It honors institutions with outstanding achievement in four areas: teaching and learning, certificate and degree completion, workforce success, and equitable outcomes for students of color and low-income students.

By lifting up models that work, the Aspen Prize celebrates excellence, focuses on equitable student success, and stimulates replication of effective culture and practice.

In 2020, the College moved to altered operations, with instruction and student services online due to COVID-19. Jose DejesusGil, director of outreach and

recruitment, feels the College’s success goes to administrators, staff, and faculty. They went beyond the extra mile to ensure students had the same resources even in a virtual environment.

“San Jacinto College has long been a leader in excellence, and this recognition just confirms that commitment,” said DejesusGil. “Our employees’ work in a normal year is phenomenal, but even more so given the challenges the pandemic presented. From our maintenance teams who installed hand sanitizers and kept facilities ready for students and staff to return, to our student services staff who guided students through virtual meetings and engagement opportunities, to our faculty who recreated their lessons virtually, every employee has remained committed to our students’ success.”

Last year, the Aspen Institute and the Siemens Foundation presented San Jacinto College the Excellence and Equity in Community College STEM Award, honoring its associate degree nursing and process technology programs. The College was the only one nationwide to be recognized for two programs. The award recognizes outstanding community college programs that prepare students for high-demand jobs in advanced manufacturing, energy, health care, and information technology.

Each winning program was also recognized for its intentional outreach and support of diverse populations that typically are underrepresented in science, technology, engineering, and math (STEM) careers. Programs received \$50,000 each, with half



Pictured left to right: Teri Crawford, vice chancellor, external relations/ executive director, San Jacinto College Foundation; Marie Flickinger, chair, board of trustees; Dr. Brenda Hellyer, Chancellor; and Steve Cowart, chair, San Jacinto College Foundation Board. Photo courtesy of Melissa Trevizo, San Jacinto College.

of the funds for program development and half for scholarships for outstanding students, known as Siemens Technical Scholars.

“When community, business, and industry leaders want to make significant changes for the well-being of citizens and workers, they should look for a partner who understands how to effect and manage change. San Jacinto College is that partner,” said Williamson. “We are leaders in workforce and economic development, and we are leaders in transfer pathways.”

The College partners with universities to ensure students are ready to take the next step: completing bachelor’s degrees. It also collaborates with local community and business organizations to reskill and upskill employees.

“This national Aspen recognition will create additional opportunities for us to be a partner of choice for national and international industries who are looking for an institution that can provide innovative training for the evolving workforce demands,” Williamson added.

The Aspen Institute first recognized San Jacinto College in 2017 as a national Top 5 community college and a Rising Star award recipient. In 2019, the College was named as a Top 10 finalist for the Aspen Prize.

► For more information about San Jacinto College and its Aspen Institute recognitions, visit sanjac.edu/aspen.

Mood changers:

Cosmetology students transform clients, themselves

● By Courtney Morris



BEFORE



AFTER

Alyssa Guedry before and after makeover (Photos courtesy of Maria Johnson)

When it came time to do a final cosmetology group project, no one raised eyebrows when Christly Guedry, Maria Johnson, and Andrea Morales picked each other as teammates.

The three students had teamed from the moment they started the San Jacinto College Cosmetology Operator Program at the South Campus last fall.

“We’re always together, always asking each other questions,” Morales said. “We depend on each other, and we have a really good chemistry.”

Wrapping up their program this spring, the three students went from restyling classroom manikins to transferring their skills to a real makeover client together. But the lessons didn’t end there.

Makeover moxie

All exit-level cosmetology students must do a full makeover on a relative, friend, or salon client, including color, haircut, style, and makeup. The project not only builds students’ portfolio for job interviews but also builds their confidence.

“They have learned all of these skills in pieces on a manikin,” Diana Perez, cosmetology instructor, said. “This is their chance to put it all together and see it.”

Guedry laughs that her mom had been bugging her for a while to cover her grays and trim her hair, so she asked her teammates if this could be their group project.

Several consultations followed. Guedry talked to her mom first, and then the whole group chatted online.

“She wanted to go for her natural rich brunette color,” Guedry said. “She wanted the grays covered and everything blended naturally.”

Oh-la-la

On makeover day, Guedry’s mom sat in a tall chair in the middle of her kitchen, draped in a haircutting cape. Around her -- hair products, clips, scissors, and blow dryer on hand -- hovered the three students.

They applied color first, using a toner to darken her hair from a faded auburn with gray roots to a rich chocolate. After rinsing her hair at the sink, they trimmed it into soft, face-framing layers.

A coloring and cutting newbie, Guedry picked up tricks from Johnson and Morales. Then she whipped out her airbrush kit and gave them a mini master class thanks to her wedding makeup background.

“We started with a mother of the bride look, natural glam,” she said. “Then I showed them tips to make it more glam for a younger person or a bride.”

Guedry applied makeup on half her mother’s face, while Johnson and Morales matched the look on the other side.

Since students took on individual projects too, Johnson has transformed her own mom, who is going platinum to match her roots.

“Christly’s mom is in love with her hair, and my mom is in love with hers as well,” Johnson said. “She enjoys not being a brunette anymore. Blondes really do have more fun.”

Mood changers

Pre-pandemic, Perez remembers one special makeover in the campus salon: A longtime client, recently widowed, agreed to be a student’s model. After getting the deluxe treatment, she posed for photos.

“She was a new woman!” Perez said. “I know it didn’t change the fact that she was grieving, but for a few hours that day, she was blissfully happy. That’s what we do as stylists. We are mood changers.”

The South Campus Cosmetology Program has mastered restyling others -- and itself. In the last two years, it merged with the Central Campus program and moved to a new building. Then COVID-19 broke out, and instructors moved training online.

Now the program has returned to about 50 percent face-to-face instruction.

“Cosmetology is always changing and evolving,” Perez said. “I think that’s why we have been able to roll with the punches.... As long as someone is willing to learn, we are here to teach and change lives one haircut, color, manicure, or facial at a time.”

Group goals

Guedry, Johnson, and Morales have taken more from the makeover than hands-on application of classroom lessons. They all get a fresh start in their own way.



Team at work

Guedry will begin teaching makeup artistry in her bridal job. The makeover gave her the chance to flex her instruction muscles.

“It was cool to see them learn something from me,” she said. “Then I would feel more confident in what I learned from them.”

Johnson can finally pursue that beauty career after dropping out of beauty academy two decades ago because of finances. Thanks to Guedry’s help, she has developed a touch for makeup.

“I’m still using natural colors, but I’m blending better,” Johnson said. “My personal [makeup] collection has grown.”

Besides learning styling techniques from her older teammates, Morales says their confidence in her has rubbed off. Now a salon receptionist, she looks forward to transitioning to cuts, styles, and other beauty services.

“You need those type of people who will push you to be better,” Morales said. “I met them at the right time.”

San Jac Students Awarded **Occidental Scholarships**

● By **Melissa Trevizo**

Houston-based energy company Occidental (Oxy) recently awarded 12 scholarships to San Jacinto and Houston Community College students and invited them to participate in a year-long immersive program to prepare them for the workforce.

“I appreciate the time Oxy took to carefully select me for this wonderful scholarship,” said Irasema Jimenez, instrumentation student. “I love to learn new things and keep growing as a person. Hopefully one day I can be a great teacher to pass on my knowledge as well.”

The Oxy Impact Scholarship provides financial support to students studying instrumentation and electrical, process technology, and petroleum engineering. This is the first year Occidental is offering the future workforce program, which gives scholarship recipients access to professional workshops, mock interviews, resume review, and valuable networking opportunities and a chance to learn from Occidental leadership.

Joining the students for the virtual ceremony on April 26 were staff members from each college, along with Occidental’s university relations team and Occidental employees Danny Holderman and Jeanne Perdue.



“I appreciate the time Oxy took to carefully select me for this wonderful scholarship.”

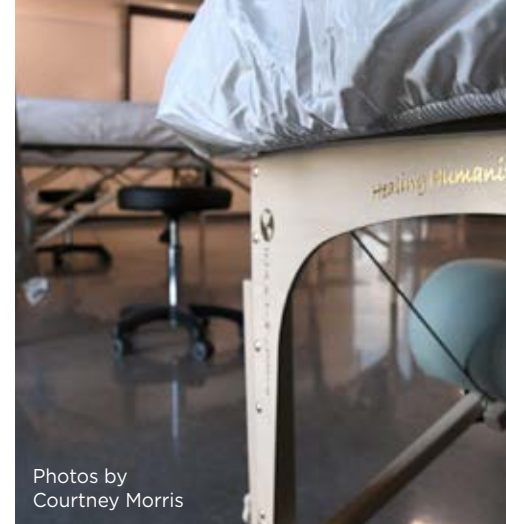
-Irasema Jimenez, instrumentation student

Holderman, who helps manage Occidental’s assets in the Permian Basin, talked to the students about how the company “continually invests in our employees and is always looking to develop our future workforce.” He encouraged students to “pursue an education that will prepare them for careers in the oil and gas and chemical industry.”

Students awarded the scholarships:

- > **Chase Romero**
instrumentation
- > **Joel Munoz**
process technology
- > **Irasema Jimenez**
instrumentation
- > **Kerry Kelly**
process technology

Massage therapy alumna: Program celebrates new space, same solid training



Photos by
Courtney Morris

● By Courtney Morris

Carlene Ashworth had never considered massage as a tool for relieving post-traumatic stress disorder.

But visiting the Center for the Intrepid, the American Legion Auxiliary national president saw massage therapy helping veterans who were recovering from burns, limb trauma, and amputations.

After ending her ALA service, she knew she couldn't return to accounting. Instead, she enrolled in San Jacinto College's massage therapy program, wanting to help veterans and others improve their health.

Now as the program settles into its new space at the South Campus, Ashworth not only chairs its advisory committee but encourages the next generation of therapists.

Beginning with the best

San Jac was Ashworth's natural choice for massage therapy training in 2012.

Ashworth had experienced great instructors at the College in the '80s, and the two-semester program offered



Carlene Ashworth

a more well-rounded curriculum than other programs she found, with classes in business ethics, kinesiology, and pathology.

"The more classroom hours you get, the more you'll succeed in the real world," she said. "I think it's the best program around."

After finishing at the top of her class, Ashworth worked three months for an established practice. Then she found a massage business with a room for rent, so she switched to working as an independent therapist – eager for more hands-on hours.

Two years later, she took over the building lease, becoming owner of Pasadena's Therapeutic Massage and Spa. Now four other independent therapists rent space from her.

Ashworth enjoys helping longtime clients maintain health and new ones experience pain relief for the first time. She encourages clients to pursue a maintenance program of at least monthly massages.

"It lowers your blood pressure, helps relax you," she said. "There are so many benefits people don't understand or know about until they experience it themselves."

Gaining elbow room

When she is not kneading muscles and working out tension, Ashworth chairs the massage program's advisory committee. She, other therapists, and massage chain representatives update San Jac instructors on industry trends.

Committee members also toured the program's former space at the Central Campus and shared what students needed to experience in their curriculum.

In fall 2020, the program moved to the new South Campus Cosmetology Center. While the building features natural daylight and state-of-the-art equipment throughout, massage therapy also gained an embedded classroom and larger massage cubicles for its internship area.

"We have more space, which allows students to practice without bumping into each other," Professor Shelley McCaul said. "And the rooms feel more open and modern."

Former phlebotomist Sandra Luna started in spring 2020, before the program moved. For her, solid instruction tops off the new "welcoming" atmosphere.

"The professors here help you," Luna said. "They take the time to address the difficulties you have and make sure you're comfortable – that you've got it."

Combined, McCaul and the four other instructors have about 125 years of massage experience. Beyond seasoned instructors, the program offers extra training at 640 hours (the state requires only 500), and students may qualify for financial aid and earn college credits.

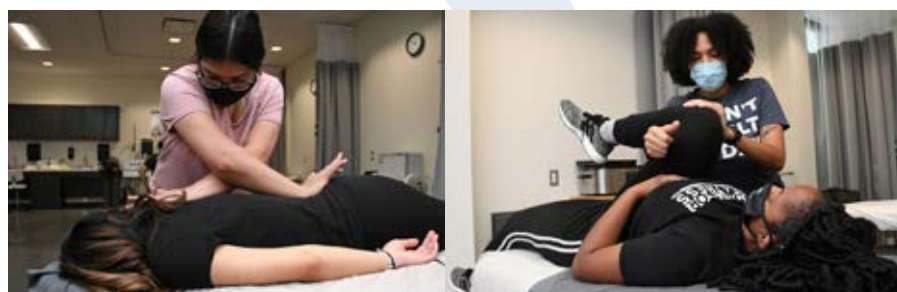
Paying it forward

When it comes to self-care, Ashworth enjoys getting a massage herself at San Jac, helping students clock their internship hours. She encouraged her last massage therapist-in-training to pursue sports massage, which she felt the student had the right touch for.

"I've had some really good massages there," she said. "I felt they really were going to make good massage therapists."

Ashworth feels the new space goes hand in hand with dedicated instructors to improve students' outlook on massage therapy and their career options after graduation.

"It's a great field if you're not pursuing medical – to be a part of the 'good health' world," she said.



Massage therapy students

Finding common ground: Dr. Eddy Ruiz

● By Andrea Vasquez

Intentional listening is perhaps one of the greatest strengths Dr. Eddy Ruiz brings to the table. As San Jacinto College's newly named assistant vice chancellor for diversity, equity, and inclusion (DEI), he's been busy making his rounds across the College's five campuses and in various Zoom meetings, getting to know his new colleagues and gaining insight into the College's culture regarding DEI.

Hailing from California, Ruiz says that what initially drew him to the position was the opportunity to make an impact for students, staff, and the community.

"I knew that this role would allow me to be at an institution that has a high underrepresented student population," he said. "The demographics in Texas are transitioning, becoming more diverse, and the cultural climate is shifting to becoming more inclusive. It was also a way for me to get out of my comfort zone from

Hailing from California, Ruiz says that what initially drew him to the position was the opportunity to make an impact for students, staff, and the community.



implementing program-specific DEI to implementation within an institution at the district level."

Ruiz adds that there can be positive and negative reactions to DEI on any level at any institution or corporation. However, it all breaks down to concern for others.

"DEI is really thinking about others—advocacy, mutual respect and understanding, belonging, and accountability," he said. "When you think about other people and how their prosperity

Finding common ground is what Ruiz says will help facilitate conversations about DEI among the entire College community.

advances society, it can create a positive atmosphere where people invest in each other."

Ruiz also says that the community will play a large role in what he wants to accomplish at the College.

"Creating a 'town and gown' partnership is a very important goal of mine, meaning that those relationships extend far beyond industry, administration, donors, employees, and students," he said. "We are a community college, so I want to know what the community wants. The only way we'll find out what our opportunity gaps are is to go out and talk to people, ask questions, and figure out strategic ways in which we can implement those needs so that it benefits all of our stakeholders. San Jac definitely has that drive and initiative to engage in that discourse, which is hard to find at most institutions. Our students are the community, and they go home to their families, and their families see them succeeding and accomplishing great things, so that's what will ultimately create more opportunities if we remain culturally responsive."

Finding common ground is what Ruiz says will help facilitate conversations about DEI among the entire College community. It will also aid in building trust and rapport with students, staff, faculty, and administration.

"With the College having a high Hispanic/Latinx student population, being able to engage with them about the inequities that they've experienced and what I've experienced- that's common ground, and finding that is important," he said. "That allows you to have an environment where students feel welcomed and feel that they belong, which helps with their persistence in achieving their degree or certificate and transferring to a university to increase that higher education pipeline to graduate degrees. I'm just one person, but if I can create an opening with the help of my colleagues and the open hearts of the community, that's where that transformation takes place. That's giving back."

Ruiz holds a Doctorate of Philosophy in Higher Education and Organizational Change from the University of California Los Angeles. He and his wife, Shila, reside in Houston with their sons, ages 13 and 6.

Ruiz says that the community will play a large role in what he wants to accomplish at the College.

Community Engagement, Professional Development, and Lifelong Learning at San Jac

● By Andrea Vasquez

Have you ever wanted to try your hand at pottery? What about learning a new office software? Thinking about buying a motorcycle and need the license to ride? Or maybe you've been wanting to enter a new career field or add a new certification to your current professional expertise.

San Jacinto College Continuing and Professional Development (CPD) can help you achieve your goals, whether it's learning a new hobby, being more informed on your health and well-being, or taking the first steps toward your new career.

Community Engagement

CPD's Community Engagement Center offers free health and wellness Learn@Home workshops that provide information on a variety of topics, including health care, fitness tips, financial planning, and career information sessions.

Recent Learn@Home workshops included MD Anderson's nutrition and cancer prevention, understanding telemedicine, stress management, budget tips during a pandemic, Medicare 101, long-term care insurance, and career information sessions from various workforce training programs. These free workshops are hosted via Zoom.

► For more information on upcoming free Community Education Center workshops,

visit the Learn@Home webpage at sanjac.edu/learn-home. To register, email community.engagement@sjcd.edu or call 281-476-1893.

Adult Education

Community Engagement offers Adult Education and Literacy (AEL) grant programs for the adult learner, such as English as a Second Language (ESL), GED, Child Development Associate (CDA), and paraeducator training. These grants are available to assist those needing to improve their English proficiency, earn a high school equivalency diploma, or develop skills for college and career readiness.

ESL students begin by completing a free placement evaluation for one of the four ESL levels, with classes available monthly at the Central, North, and South Campuses. The GED preparation classes prepare individuals to successfully pass the GED exam to earn a high school diploma equivalency. The CDA program prepares students to become certified to work at child care facilities and is also offered in a bilingual English-Spanish format. The paraeducator training courses qualify students to work as Level 1 teacher aides at local school districts. Both the CDA and paraeducator programs are great first steps to a teaching career pathway.

The Texas Public Education Grant (TPEG) program places adult learners on a fast track to entry-level employment. For those who qualify, the program provides financial aid to economically disadvantaged residents desiring to

enroll in designated CPD workforce training programs. Courses include Microsoft Office specialist, medical office professional, accounting specialist, payroll specialist, QuickBooks, Intro to CNC, and commercial driving license (CDL). Additional courses may be available.

► For more information on CPD adult education, language, and TPEG courses, visit sanjac.edu/continuing-professional-development/grants or call 281-542-2020.

Professional Development and Workforce Training

For those looking to upskill or move into a new career field, CPD's professional development and workforce training courses can help you achieve that next step.

The Business Operations, Supply Chain, and Entrepreneurship sector offers courses in accounting, banking, business, career development, human resource management, project management, and supply chain.

The IT Tech area offers courses in advanced manufacturing, keyboarding, business applications, and drafting.

Health and Safety courses include certified nurse aid (CNA), emergency health, medical office professional, and phlebotomy technician.

Applied Trades courses include auto body collision repair, motorcycle basic rider, truck driving, occupational health and safety, construction, and welding.



Aerospace education and workforce development provides courses in FAA Part 107 Drone Pilot License Test Prep, drone flight operations, and drone building. Additional courses include aerospace composites and mechanical and quality structures technician tracks, aerospace engineering drawings, nondestructive examination, and more.

► For more information about CPD professional development and workforce training courses, visit sanjac.edu/continuing-professional-development.

Lifelong Learning

CPD lifelong learning programs offer more than 40 low-cost leisure learning courses for exploring personal enrichment, learning new skills, expanding your horizons, and having fun. The affordable and flexible course schedules make it easy to fit learning into any busy lifestyle. Popular courses include cake decorating, Spanish, guitar, Zumba, Pilates, Qigong, yoga therapy, Tai Chi, aromatherapy, massage therapy, jewelry design, and more. New courses in special event planning, basic sewing, and crochet will be available soon.

► For more information on CPD lifelong learning courses, visit sanjac.edu/continuing-professional-development/community/life-long-learning.

SAN JACINTO COLLEGE AEROSPACE EDUCATION PRESENTS

PATHWAY TO THE STARS

A FREE STEM VIRTUAL CAMP

Students will experience hands-on STEM activities that focus on space exploration and NASA's journey to Mars, such as human health in space, radiation effects on spacesuits, energy resources, navigation, and communication technology. Supplies will be provided for pick-up at the College with information on dates and times sent after registration.

AGES: **4th-5th and 6th-8th GRADES**

DATES: **JULY 12-16, JULY 19-23,
and JULY 26-30**

TIMES: **8:30 a.m. - 4:30 p.m.**
MONDAYS THROUGH THURSDAYS

8 a.m. - 12 p.m.
FRIDAYS

LOCATION: **ONLINE**

REGISTRATION FEE:
NONE (Free)

CAMP STEMPACT

A FREE STEM CAMP Designed especially for AGES 14-18

Camp STEMPACT will focus on math and science related to engineering and STEM careers. Hands-on experiments and an SAT math prep will be facilitated. There will also be exciting and relevant STEM industry speakers and a field trip to Space Center Houston, NASA Johnson Space Center Mission Control, and the Sonny Carter Neutral Buoyancy Lab.

AGES:
14-18

DATES:
JULY 12-16

TIMES:
8 a.m. - 5 p.m.

LOCATION:
NORTH CAMPUS

REGISTRATION FEE:
NONE (Free)

REGISTRATION CONTACT: Janice Sullivan
janice.sullivan@sjcd.edu
281-998-6150 ext. 2015

 SAN JACINTOSM
COLLEGE
Your Goals. Your College.

www.sanjac.edu/CPD-camps | 281-998-6150 | Connect with us  @SJCAerospace  @jac_academy

The material contained in this document is based upon work supported by a National Aeronautics and Space Administration (NASA) grant or cooperative agreement. Any opinions, findings, conclusions, or recommendations expressed in this material are those of the author and do not necessarily reflect the views of NASA.
An Equal Opportunity Institution.

San Jac Happenings

All times and event schedules listed are subject to change. For more information, visit sanjac.edu.

3-5
July

Independence Day-College closed
Site: All campuses and online classes

6
July

Pathways to Careers workshops begin
Time: TBD
Site: North and Central Campuses;
Visit sanjac.edu/pathways-careers

8-9
July

Summer Camp: Exploring Industry
Time: 8:30 a.m.-12:30 p.m. & 1-4 p.m.
Site: Central Campus; Visit sanjac.edu/summer-camps

12-16
July

Summer Camp: Pathway to the Stars Virtual Camp
Time: 8:30 a.m. - 4 p.m.
Site: Online; Visit sanjac.edu/summer-camps

12-16
July

Summer Camp: Camp STEMPACT
Time: 8 a.m. - 5 p.m.
Site: North Campus; Visit sanjac.edu/summer-camps

14-15
July

Summer Camp: Exploring Automotive
Time: 8:30 - 11:30 a.m.
Site: Central Campus; Visit sanjac.edu/summer-camps

16
July

Maritime Information Session
Time: 10 a.m.
Site: Online; Register at sanjac.edu/form/maritime-information-session-registration

19-23
July

Summer Camp: Pathway to the Stars Virtual Camp
Time: 8:30 a.m. - 4 p.m.
Site: Online; Visit sanjac.edu/summer-camps

19-23
July

Summer Camp: Camp STEMPACT
Time: 8 a.m. - 5 p.m.
Site: South Campus; Visit sanjac.edu/summer-camps

23
July

Summer Camp: San Jac Girls Softball Camp
Time: 10 a.m. - 12:30 p.m.
Site: South Campus softball field;
Visit sanjac.edu/summer-camps

26-30
July

Summer Camp: Pathway to the Stars Virtual Camp
Time: 8:30 a.m. - 4 p.m.
Site: Online; Visit sanjac.edu/summer-camps

27
July

CPD: Women and Wealth: A Clear View to Retirement
Time: 12-1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

28
July

CPD: How to Start a Business Plan-Business Series with BBVA
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

3
Aug.

“Wow, I Didn’t Know That”- Free Resources from the Pasadena Library
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

6
Aug.

Maritime Information Session
Time: 10 a.m.
Site: Online; Register at sanjac.edu/form/maritime-information-session-registration

23
Aug.

Fall 2021 classes begin
Site: All campuses and online

25
Aug.

CPD: How Businesses Obtain Credit-Business Series with BBVA
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

26
Aug.

CPD: Medicare 101
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

30
Aug.

CPD: How to Plan a Special Event
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

6
Sept.

Labor Day- College closed
Site: All campuses and online

29
Sept.

CPD: How Businesses Use Credit- Business Series with BBVA
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

30
Sept.

CPD: Medicare 101
Time: 12 - 1 p.m.
Site: Online; Register at community.engagement@sjcd.edu or call 281-476-1893

READY *to* EXPLORE CAREERS?

✓ If you're a high school junior, senior, or college freshman, check this out!

This summer, we're offering intensive, 3-week courses designed to help you explore careers in **health care** or **computer technology**. You'll figure out which career is right for you and what it takes to get there. Courses are **FREE** and enrollment is limited, so don't wait!

What to expect:

- Hands-on learning
- Field trips
- Industry presentations
- Team building
- Earn a credential!

Students who participate and provide feedback will receive a \$300 stipend after completing the course. Classes meet 40 hours each week, so you'll learn a lot!

Program begins July 6.



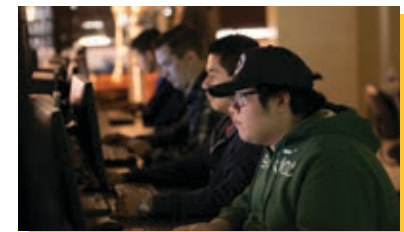
▶ Pathways to Health Care Careers

Explore a wide variety of career pathways, including nursing, pharmacy technician, surgical technician, health information management technician, medical laboratory technician, occupational therapy assistant, **and more**. You'll also earn an **Emergency Medical Responder certification**.



▶ Pathways to Computer Technology Careers

Explore a wide variety of career pathways, including website design, software development, cybersecurity, networking, **and more**. You'll also earn an **IT Fundamentals certification**.



Professor engineers homework technology solution

● By Courtney Morris

When Dr. Nathaniel Wiggins worked for a tutoring center, he used manipulatives to help students grasp concepts. Hands-on activities, he found, inspired critical thinking better than static images and text.

Years later, the San Jacinto College distinguished professor of engineering and mathematics has developed a mixed reality homework system technology to solve a similar need.

What he calls his critical thinking assessment technology not only helps teachers measure critical thinking but also gives students kinesthetic-style opportunities in the virtual learning environment.

How it began

While artificial intelligence and augmented reality (AI and AR) were taking off in government and industry, Wiggins saw a disconnect in education.

Students often relied on one-dimensional images or text to understand complex concepts, even in science, technology, engineering, and math (STEM) fields. Meanwhile, teachers spent significant time grading short answers on tests, or they resorted to multiple-choice questions that didn't gauge students' understanding.

Instead, they needed 3D models and automatic assessment of free responses.

"Unfortunately, there are currently limited examples of these technologies in education," Wiggins said.

Moreover, this technology often cannot integrate into learning management systems, which deliver course content, homework assignments, exams, and grades online.

Enter IMathAS. Created by a university researcher, this math interpreter system not only lets teachers program problem types but also interprets students' free responses.



Dr. Nathaniel Wiggins

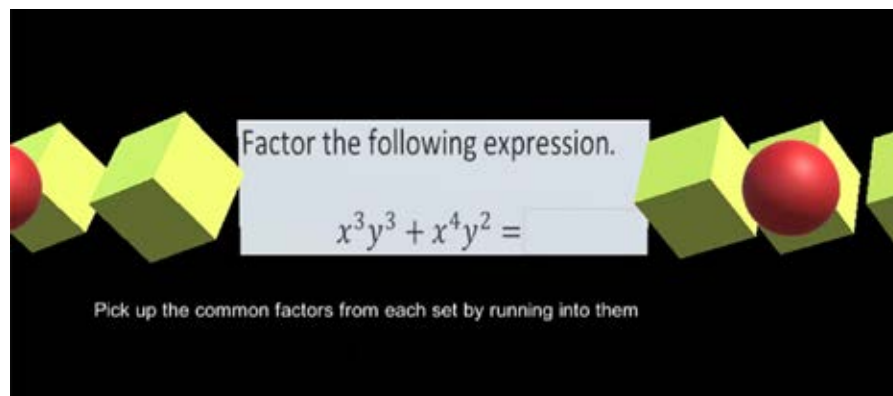
IMathAS offered a basis with libraries and other capabilities. With a server to store the system, Wiggins could develop his own system on top: "My specialization is designing a process to make things happen."

What it looks like

Wiggins used HTML5 coding to design processes for his critical thinking assessment technology. Then he could deploy 3D virtual manipulatives, create neural networks to analyze short answers, and secure online testing.

He has implemented this technology in his own engineering classes and is helping

"If you have someone with learning challenges and they're trying to learn factoring, being able to turn that into something you can handle and move around ... can make a huge difference." -Dr. Nathaniel Wiggins



Mixed reality technology for an equation (image courtesy of Nathaniel Wiggins)

colleagues and other institutions use these processes.

While many students don't have access to virtual reality headsets, Wiggins realized they have the next best thing to view 3D manipulatives: smartphones.

Most new smartphones can run Google's ARCore, software that allows the phone to interact with its physical environment. If students can't deploy AR via their phones, they can see 3D images in their browsers instead.

"It really opens up that ability that we didn't have before," Wiggins said.

Beyond AR deployment, he also focused on neural networks – training a system

to find data patterns and apply to future situations.

To package a test question, Wiggins gets three to five versions of the teacher's desired response. He then matches student work to the teacher's response at least 50 times so the system learns the desired response. Afterward, he creates a test set, aiming for 90 percent accuracy.

Since students can post answers to multiple-choice questions on cheating sites, automating assessment of free response not only saves the teacher time but also reduces cheating.

In summer 2020, Wiggins piloted his technology in two engineering classes with double blind studies. The result? Students who could deploy 3D models and get automatic feedback on their free responses scored much higher than classmates without these resources.

How it helps

From his tutoring days to present, Wiggins has seen most students excel with interactive learning.

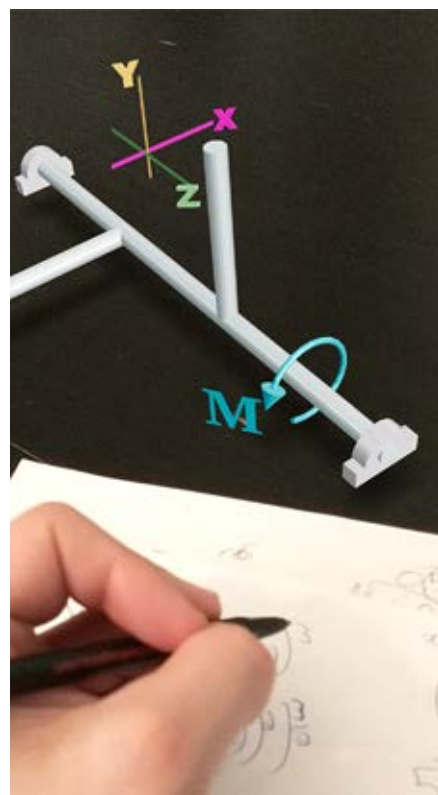
“I would like learning to be interactive, highly engaged so students can make quick advancement.”

-Dr. Nathaniel Wiggins

“If you have someone with learning challenges and they’re trying to learn factoring, being able to turn that into something you can handle and move around ... can make a huge difference,” he said.

Students also need instant feedback.

“They need successes quickly,” Wiggins said. “Early successes and quick feedback give them motivation.”



Augmented reality technology for a math problem (image courtesy of Nathaniel Wiggins)

His homework technology provides both interactive content and constructive feedback.

Wiggins gives an example of students entering an online classroom: They click on a homework system with these built-in processes. They view a video-driven lesson with guided components, then get into the homework. Not understanding, they can deploy an AR illustration through their smartphones.

Next, they answer an open-ended question. The system gives feedback: “That’s on the right path. Elaborate.”

By the time students reach exams, they have mastered free response.

While ideal for STEM classes, the technology can work in any field, including liberal arts. For example, students could view historical event recreations and rotate 3D sculptures to view from all angles.

“I would like learning to be interactive, highly engaged so students can make quick advancement,” Wiggins said.

How others use it

The processes Wiggins has designed allow teachers to develop new problem types within the IMathAS system.

San Jac math professors Rebecca Heath and Seann Sturgill use MyOpenMath, an IMathAS homework management system.

Heath has programmed matrix questions that require students to show their intermediate steps. During 20-plus

The processes Wiggins has designed allow teachers to develop new problem types within the IMathAS system.



calculations, they can see where they went wrong and correct themselves instead of giving up. After Heath implemented the system, her business calculus students scored 15 percent higher on their homework than students had from any previous semester. Their test scores rose too.

“Initially, I thought it might have [just] been that group of students, but the homework and test averages went up in every class I have implemented MyOpenMath since then,” she said. “I am using MyOpenMath in every course now.”

Sturgill also uses the free system in all his classes. Not only does it work on tablets and smartphones, but it also removes course material cost barriers since students are paying only for a scientific calculator, paper, and pencils.

“I find MyOpenMath more capable than other more expensive homework systems,” he said. “Students generally tend to do the homework more on this homework system than homework systems I have used in the past.”

What comes next

Wiggins sees applications for his technology processes in industry as well.

While ideal for STEM classes, the technology can work in any field, including liberal arts.

San Jac already works with companies like Serl.io to further AR and mixed reality in business.

As he works out possibilities for his technology, one goal remains: giving instructors more ability to personalize their lessons and reach students in the virtual environment.

After all, his technology has made a difference in his own classes.

“Even though [students are] at home – isolated from the world – we can turn it into a rich learning experience,” Wiggins said. “Even in hard times, when some areas and some schools were seeing large drops in enrollment, San Jac’s engineering program didn’t see that.”

Join cloud computing field with San Jac's new AAS degree program

● By Courtney Morris

Dr. Roger Watkins knew it was time for San Jacinto College to offer a cloud computing degree when job listings began exploding.

“When you’re seeing that many jobs out there, it is a growing area,” said Watkins, South Campus department chair of business and computer technology services.

To prepare students for this expanding tech field, San Jac is launching a cloud computing Associate of Applied Science degree program this fall at the South Campus.

Students can earn the affordable degree within two years, equipping them to enter an exciting and rewarding career field.

Welcome to the cloud

Cloud computing has taken off in the last several years. While 2020 didn’t introduce telecommuting, the explosion of remote work in the COVID-19 era has gone hand in hand with cloud technology.

Computer storage has progressed from floppy drives and hard drives to localized servers with hard-wired connections. Now cloud technology removes the physical connection.

“[Cloud computing] is taking that to another level, where all this is remote and you don’t need an IT staff to manage it,” Watkins said.

Rather than installing and maintaining IT infrastructure on site, many companies



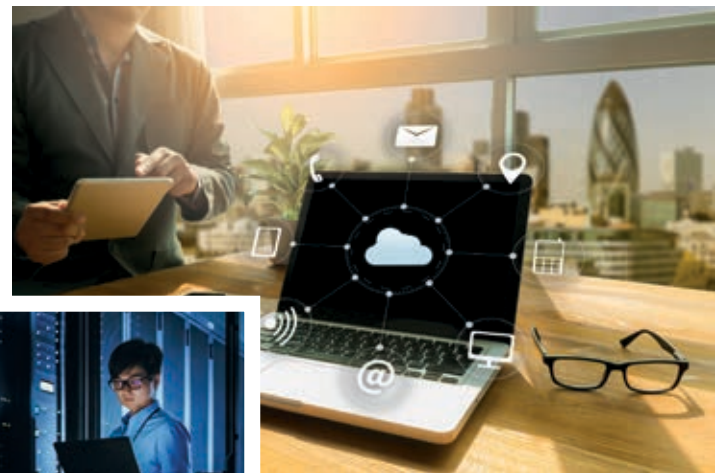
now rely on cloud services platforms like Amazon Web Services and Microsoft Azure. Employees access servers, data storage, applications, and other resources on demand from these providers.

Watkins compares it to direct depositing money into a bank. While you could stash money under your mattress, the bank offers added protection, allowing you to access what you need when you need it.

Solid intro to profitable field

San Jac’s cloud computing program will train students to become cloud support technicians who can securely support and manage infrastructure and workloads on cloud platforms.

While computer background is helpful, it is not required. Students can come straight from high school or from non-tech industries.



\$108,000 a year in the Gulf Coast region (texaswages.com).

According to Watkins, tech employers focus on candidates’ work ethic more than personality, looking for people who are reliable, hard-working, and willing to stay late or work flexible hours when urgent issues crop up.

Students who knock on doors, market themselves well, and show entry-level experience can often beat out those who hold higher degrees.

“Book knowledge is one thing,” he said. “Getting the work done is another.”

Learn more

Students can enroll in the 60-credit-hour cloud computing AAS degree program full time or part time. After completing the program, they can test for marketable industry certifications.

“This is a great opportunity to learn something that will be around for a while,” Watkins said. “The beauty of the IT industry is once you start getting experience and exposure to things, you can spend your whole career building on what you know and learning new things.”

► To learn more about the program, contact Watkins at 281-929-4603 or roger.watkins@sjcd.edu.



THE PARTNERSHIP OF PETROCHEMICAL LEADERS AT SAN JACINTO COLLEGESM



The **Partnership of Petrochemical Leaders (PPL)** is a consortium of academic and industry partners within the **LyondellBasell Center for Petrochemical, Energy, & Technology** at San Jacinto College, providing a foundation for leadership excellence in the petrochemical and refining industries and related service companies. It is a hub for the collaborative development of programs and solutions for the most pressing needs of the industry—solutions to enhance informed and ethical decision making in the new era of constant change.

GET INVOLVED

We welcome the opportunity to work with you. We can customize content to meet your specific company or organization's needs. Drop us an email at PPL@sjcd.edu or call us at **281-542-2092**.

An Equal Opportunity Institution

Perseverance personified: Veronica Capozzoli

● By Andrea Vasquez

Like many college students in 2020, Veronica Capozzoli struggled with completing her classes online due to COVID-19. As a hands-on learner, she found an online biology dissection lab challenging. But she met the challenges head on, just as she has any obstacle that's stood in her way. In August 2020, she accomplished something that she never imagined would be possible: She graduated with a college degree. Another barrier broken along a journey that began being alone and homeless on the streets of Chicago.

Even her graduation milestone was unprecedented – San Jacinto College's first virtual commencement ceremony. But Capozzoli took it in stride, just being overjoyed that she was officially a college graduate.

"I've been through a lot of difficult things in my life, and I haven't let any of them stop me from getting where I am today," she said. "This was just another bump in the road, and I am proud of what I achieved."

For Capozzoli, this degree meant a future, something no one could take away from her. It meant the start of opening doors for other foster youth like her. Since she grew up in group homes, a date loomed

over her head with each passing year. Two weeks after her 21st birthday, she aged out of the system. That day, the facilitator of her group home grabbed a box of garbage bags and told her she had until 5 p.m. to pack her things and leave. That night she was homeless. With nowhere to go and no one to turn to, everything became about surviving.

For Capozzoli, this degree meant a future, something no one could take away from her.

The next 10 years were filled with ups and downs, and sometimes the dark corners seemed impossible to escape.

"I had no one," she said. "I had a pretty bad downside. I attempted suicide multiple times. I didn't think I deserved to live or to be anything, and then I did."

Within that time, she had a job selling magazines door-to-door across the U.S. It was then Capozzoli said she found God, her self-esteem, and for the first time the belief that she was worth something.

"I learned more about life just by the people that were put in my path while I was traveling the country," she said. "My whole life I had a negative outlook about myself, but I always had a positive outlook on life. I always knew the glass was half full, but I just felt that I didn't deserve it. The people I met along the way I believe were put there for a reason. They showed

me that I was somebody, that I was smart, and that I deserved the life I wanted for myself."

What she didn't know was that her uphill climb was about to get steeper. In 2016 she moved to Houston and not even a year later lost everything to Hurricane Harvey. Determined to continue on her new, positive path, she started rebuilding her life piece by piece from scratch. With the help of friends and community members, she was able to successfully get back on her feet. Finally, in 2018, she decided to enroll at San Jacinto College, which she says changed her life. She was making A averages in all of her classes and joined the Phi Theta Kappa (PTK) Honor Society. In addition to the genuine friendships she made, Capozzoli said PTK showed her what she was capable of and gave her a new confidence not only about herself but for the personal and educational goals she suddenly found herself planning for.

This past Christmas, she celebrated another milestone – the purchase of her very own home.

"Getting my degree has redefined me and the legacy that I'm going to leave," said Capozzoli. "It has given me the confidence, encouragement, and the drive to do something to help other young adults out there like me. I want to help the youth in the system that are getting ready to age out, the ones who have nothing and no one. Because of my education and the bridges I am building, I have plans for an independent living program for young girls who are wards of the state. It will teach them the basics about how to live a life as an adult, and it's going to be taught by someone who lived that same life and experienced it the hard way – not the



"I've been through a lot of difficult things in my life, and I haven't let any of it stop me from getting where I am today."

corporations or the system. Someone who IS them, who defied all odds, and who refused to become a statistic."

Today Capozzoli is majoring in criminology at the University of Houston-Clear Lake and will graduate with her bachelor's degree in 2022.

► For more information about former and current foster youth resources at San Jacinto College, visit sanjac.edu/student-services/student-support/student-support-resources/foster-care-alumni.

Choose **your path**

At San Jacinto College, our mission is to ensure you succeed and to empower you to achieve your goals, redefine expectations, and explore new opportunities.

With eight career pathways, you can equip yourself with the training and tools to succeed in a career, find your place in the world, and pursue the life you've always wanted. If you plan to earn an associate degree and transfer to a four-year university, we can help you along your path. If career training for a certificate or associate degree is more your focus, we can help you find the program that is right for you. Before you register for classes, you should discuss your career goals with a San Jacinto College educational planner. We'll make sure you're selecting courses that meet the curriculum requirements of the certificate or associate degree you want to earn or four-year university you plan to attend. Learn more at sanjac.edu, or call 281-998-6150 to speak with an educational counselor. ■



Art, Humanities, Communication, and Design

Art & Design
 Audio Engineering
 Communications
 Dance
 English
 Interior Design
 Modern Languages
 Music
 Speech
 Theatre and Film

Career opportunities

*(some may require a bachelor's or master's degree)**

Broadcast Technician.....	\$36,117
Choreographer	\$61,813
Editor.....	\$66,528
Film and Video Editor.....	\$46,449
Graphic Designer.....	\$45,612
Interior Designer.....	\$54,114
Multimedia Artist and Animator.....	\$57,651
Musicians and Singers.....	\$22.60** per hour
Public Relations Specialist.....	\$58,222
Sound Engineering Technician.....	\$64,669



Business

Accounting
 Business Administration
 Business Management
 Business Office Systems and Support
 Economics
 Entrepreneur
 Long Term Care Administration
 Paralegal
 Real Estate

Career opportunities

*(some may require a bachelor's or master's degree)**

Accountant and Auditor.....	\$76,309
Budget Analyst.....	\$80,417
Credit Analyst.....	\$69,068
Executive Secretaries and Executive Administrative Assistants.....	\$60,755
Financial Analyst.....	\$87,552
Paralegal and Legal Assistant.....	\$54,768
Real Estate Sales Agent.....	\$67,455



Construction, Industry Manufacturing, and Transportation

Air Conditioning Technology (HVAC)
 Automotive Collision Repair
 Automotive Technology
 Biomedical Clinical Equipment Technician
 Construction Management Technology
 Diesel Technology
 Electrical Technology
 Electronics Technology
 Environmental Health and Safety Technology
 Global Logistics and Supply Chain Management
 Instrumentation
 Maritime Transportation
 Non-destructive Testing
 Pipefitting
 Process Technology
 Welding Technology

Career opportunities

*(some may require a bachelor's or master's degree)**

API Inspector.....	\$145,622^^
Automotive Body and Related Repairer.....	\$38,540
Automotive Service Technician and Mechanic.....	\$39,550
Captains, Mates, and Pilots.....	\$118,709
Chemical Plant and Systems Operators.....	\$71,453
Electrician.....	\$55,448
Environmental Science and Protection Technician, including Health.....	\$40,913
Heating, Air Conditioning, and Refrigeration Mechanic and Installer.....	\$48,779
Helper – Electrician.....	\$30,609
Helper – Plumber, Pipefitter, and Steamfitter.....	\$35,642
Medical Equipment Repairer.....	\$42,161
NDT Technician Level I.....	\$71,884^^
NDT Technician Level II.....	\$101,397^^
NDT Technician Level III.....	\$125,699^^
Occupational Health and Safety Technician.....	\$53,314
Plant and Systems Operators (all others).....	\$41,236
Plumber, Pipefitter, and Steamfitter.....	\$53,243
Sailors and Marine Oilers.....	\$36,201
Welder, Cutter, Solderer, and Brazier.....	\$47,979



Education

Child Development /
Early Childhood Studies Teaching

Career opportunities

*(some may require a bachelor's or master's degree)**

Child Care Workers	\$21,396
Elementary School Teacher (except Special Ed)	\$58,009
Education Administrator, Preschool, and Child Care Center.....	\$42,961
Preschool Teacher	\$26,840
Secondary School Teacher (except Special Ed)	\$59,525



Health Sciences

Cancer Data Management
Diagnostic Medical Sonography
Emergency Medical Services
Eye Care Technology
Health Information Management
Medical Assisting
Medical Billing
Medical Coding
Medical Laboratory Technology
Medical Radiography
Mental Health Services
Nursing
Occupational Therapy Assistant
Personal Trainer
Pharmacy Technician
Physical Therapist Assistant
Respiratory Care
Surgical Technician

Career opportunities

*(some may require a bachelor's or master's degree)**

Athletic Trainer	\$59,824
Certified Ophthalmic Assistant.....	\$51,032 ^{^^^}
Certified Ophthalmic Technician.....	\$41,268 ^{^^^}
Certified Tumor Registrar	\$53,296 ^{^^^}
Diagnostic Medical Sonographer.....	\$72,455
Emergency Medical Technician.....	\$34,456
Environmental Science and Protection Technician, Including Health	\$40,913
Fitness Trainers.....	\$35,732
Licensed Practical and Licensed Vocational Nurse (LVN)	\$47,758
Medical Assistant.....	\$32,445
Medical Records and Health Information Technician.....	\$42,515
Mental Health and Substance Abuse Social Worker	\$43,896
Occupational Therapy Assistant.....	\$75,784
Pharmacy Technician	\$34,776
Physical Therapist Assistant.....	\$72,842
Radiologic Technologist.....	\$64,492
Registered Nurse.....	\$79,507
Respiratory Therapist.....	\$59,927
Surgical Technologist	\$53,692



Public Safety and Human/Consumer Services

Chef Training
Cosmetology
Criminal Justice
Fire Protection Technology
Massage Therapy
Pastry Chef
Personal Trainer
Restaurant Management

Career opportunities

*(some may require a bachelor's or master's degree)**

Chefs and Head Cooks (including Pastry Chefs).....	\$40,953
Correctional Officers and Jailers.....	\$42,621
Firefighter	\$51,734
Food Service Manager	\$60,036
Hairdressers, Hairstylists, and Cosmetologists.....	\$20,981
Massage Therapist.....	\$35,302
Police and Sheriff's Patrol Officers.....	\$62,648
Private Detectives and Investigators	\$52,509
Probation Officers and Correctional Treatment Specialists	\$44,526
Skin Care Specialists (Esthetician).....	\$19,540



Science, Technology, Engineering, and Math (STEM)

Applications / Programming
 Biology
 Chemistry
 Cloud Computing
 Computer Science
 Computer Simulation & Game Design
 Desktop Support and Network Administration
 Engineering
 Engineering Design Graphics (Drafting)
 Environmental Science
 Geology
 Information Technology Security
 Mathematics
 Microsoft and CISCO
 Physics
 Web Design

Career opportunities

*(some may require a bachelor's or master's degree)**

Accountant and Auditor	\$76,309
Agricultural and Food Science Technicians	\$47,505
Chemical Engineer	\$137,233
Chemists	\$90,215
Civil Engineer	\$106,006
Computer Network Support Specialist	\$76,184
Computer Programmer	\$89,024
Database Administrators.....	\$95,250
Desktop Publisher	\$39,929
Drafter	\$45,805
Environmental Engineer	\$106,637
Environmental Science and Protection Technicians, including Health.....	\$40,913
Environmental Scientists and Specialists, including Health.....	\$83,739
Geological and Petroleum Technicians.....	\$60,275
Information Security Analyst.....	\$101,382
Mechanical Drafter.....	\$66,592
Mechanical Engineer.....	\$98,761
Network and Computer Systems Administrator.....	\$93,294
Physicists.....	\$99,556
Software Developers (Applications).....	\$108,408
Software Developers (Systems Software).....	\$102,435
Web Developer.....	\$74,533



Social and Behavioral Science

Anthropology
 Government
 History
 Philosophy
 Psychology
 Sociology

Career opportunities

*(some may require a bachelor's or master's degree)**

Anthropologists and Archeologists	\$85,882
Clinical, Counseling, and School Psychologists.....	\$68,865
Counselors.....	\$61,949
Mental Health Counselors	\$54,018
Museum Technicians and Conservators	\$37,016
Psychologists.....	\$109,609
Philosophy and Religion Teachers, Postsecondary	\$80,091
Political Scientists	\$93,683
Sociology Teachers, Postsecondary.....	\$79,570
Social Science Research Assistants	\$42,538

* Salary source: texaswages.com, Gulf Coast Region, 2018 Annual WDA Wages

** Salary source: U.S. Bureau of Labor Statistics

Noncredit Classes for Professional and Life Long Learners

Whether you're preparing for a career or picking up a new hobby, the San Jacinto College Continuing and Professional Development (CPD) division offers a variety of noncredit courses for workforce training and lifelong learning. The division's workforce area offers courses that keep workers up to date on the latest technologies in industries in the Gulf Coast region. These courses are available through contract training, open enrollment, and grant funding. Not only does the division provide vital training for workers, but you can enjoy picking up new skills you've been eager to learn. CPD offers lifelong learning courses to promote leisure learning and to help you extend your horizons. To learn more, visit sanjac.edu/cpd.

Workforce Development and Job Training

Applied Technology and Trades
 Business and Professions
 Computers, IT, CNC, PLC, and Robotics
 Health Occupations
 Maritime

Corporate Training and Consulting

Task/Job/Organizational Performance Analysis
 Training Needs/Gap Analysis
 Measuring Training Effectiveness and ROI
 Implementing Effective On-the-Job Training
 Apprenticeships
 Transitioning Training from a Functional Unit to a Business Unit
 Train-the-Trainer for Regulatory Compliance
 Strategies for Selecting, Training, and Qualifying Shift/Relief Supervisors
 Approaches to Team Training and Diagnostics
 Organizational and Human Performance Needs Assessments

Community Programs

Aerospace Education and Workforce
 Education
 Life Long Learning
 Youth Programs

Grants

Adult Education and Literacy
 Health Career Pathways Partnership Grant
 TPEG
 TWC Business Funding Opportunities

^^ Salary source: PQNDT 2018 Salary Survey

^^^ Salary source: Payscale, Houston Region

Student services reach above and beyond academics

● By Melissa Trevizo

Student support services at San Jacinto College offer students many resources to help them succeed on their college journey. In addition to academic services, students are also eligible to access wraparound services relating to socio-economic and mental health issues.

Tanesha Antoine, dean of student support services, has been able to pull educational planning, counseling, accessibility services, and student engagement under the same umbrella, allowing each of these areas to work together more effectively while focusing on their individual roles to better serve students.

“Our goal is to be more intentional with each student,” Antoine said. “Pulling each of these areas out and aligning them with accessibility services counselors is going to open up a lot of opportunity to follow up personally with each student and make sure they are connecting with the resources we provide.”

Students are referred to the student support services division in a variety of ways: faculty or staff referral through an early alert system, student surveys at the start of their San Jac journey that help identify food or housing insecurity, and self-referral.

“Our counselors are able to help connect students to a wide variety of programs not just within the College but to partner programs as well,” Antoine said, “whether



Student support services at San Jacinto College is set up to help all students be succeed, using a variety of campus and partner programs and personalized service with a counselor or educational planner.

that be our food market or café meals program, child care assistance, mental health services, or helping to apply for benefits like WIC or food stamps.”

San Jacinto College is an official community partner with Texas Health and Human services. The community partner program builds bridges between Texas Health and Human Services and communities statewide to provide access to food, cash, and health care.

“By bringing education and awareness to our counselors, we are more prepared to help our students,” said Antoine. “We give them monthly training to stay abreast of updates in our resources and how we can help remove any roadblocks to students’ educational experience.”

Using CARES Act funding this year, student support services was able to offer two scholarship programs, the Tuition Assistance Program (TAP) and the Book Assistance Program (BAP). These

programs offer assistance to students who were hindered from completing full registration because they were short on cash.

“During the last three weeks of registration, as students were speaking with educational planners and the business office if they were a little short or had an unexpected cost, and it was going to stop them from admitting, we were able to cover that last bit for them,” said Joanna Zimmerman, associate vice chancellor, student services. “We did the same for books when students were just a bit shy of their cost. This was at the discretion of our employees so there was no paperwork on the student’s end to slow down the process. It was just a conversation with a struggling student and an educational planner.”

Student support services at San Jacinto College is set up to help all students be succeed, using a variety of campus and partner programs and personalized service with a counselor or educational planner.

“We could just give a student a phone number, but help them make the call and make sure they connect with the right people – it makes a big difference,” said Antoine. “Sometimes, once a need is identified, the need changes because life changes. It is important to us to follow up with students to see how they are faring and if their needs have changed not only through the semester but through their journey at San Jacinto College. We know sometimes life outside of the classroom can impact success, and we are here to ease those worries.”

► To find out more about the student support services at San Jacinto College, visit <https://www.sanjac.edu/student-support>.

STUDENT SERVICES: WE'RE HERE TO HELP!

STUDENT SUPPORT



Accessibility Services – Accommodations may be available if you have a documented disability. Apply for accommodations at sanjac.edu/accessibility.

Café Meal Assistance Program – This program allows you to purchase meals for up to \$8 at any campus café location. Go to sanjac.edu/engage for more information.

Career Services – Explore your career options and get help with résumés, interviewing skills, job searches, and career assessments. Visit sanjac.edu/career-services for more information.

Coat Closet – If you need cold weather apparel, you may receive jackets and sweaters by completing the request form at sanjac.edu/engage or visiting any student engagement and activities office.

Educational Planning – Receive guidance on degree/certificate requirements to ensure you are taking the right classes for your major. See an educational planner/advisor to review your educational plan. Visit sanjac.edu/educational-planning.

Financial Aid – Resources are available to help you with tuition and expenses. See a campus financial aid advisor for information on applying for financial aid. Visit sanjac.edu/financial-aid.

Food Market – The Food Market is a partnership with Houston Food Bank, allowing you to self-select perishable and non-perishable items weekly throughout the semester. For more information, visit sanjac.edu/food-market.

International Student Services – If you are an international student with an F-1 visa, you may receive immigration advising and social/cultural adjustment assistance. Visit www.sanjac.edu/international-students.

Personal Counseling – Short-term counseling is available if you are experiencing challenges with school, home, family, work, or relationships, or facing a crisis. Visit sanjac.edu/mental-health-resources for more information.

Student Engagement and Activities – You have many opportunities to get involved on campus. Visit sanjac.edu/engage to learn about athletics, rec sports, student clubs, performing arts, and more.

Testing Center – The campus testing centers administer, report, and store confidential student assessment (testing) records. Visit sanjac.edu/testing.

Veteran Services – The men, women, and families of those who have honorably served our country may receive assistance with educational planning, priority enrollment, certification of veteran education benefits, and other veteran resources. Visit sanjac.edu/veterans.

SCHOLARSHIPS AND FINANCIAL ASSISTANCE



Foundation Scholarships –

The San Jacinto College Foundation awards scholarships each fall and spring semester. Visit sjcd.academicworks.com for information about completing the general scholarship application.

Grad TX Scholarship – The Grad TX program is designed for students who stopped attending before graduating or completing a credential. It provides a \$250 scholarship so you can take the classes you need to complete your certificate or degree. Visit sanjac.edu/admissions-aid/scholarships-grants to learn more.

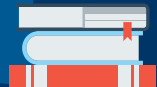
San Jac Finish Line Scholarship – The Finish Line program covers the cost of your tuition for up to three semesters (\$2,500 max), as long as you're participating in one of our eligible programs and you meet some basic student requirements. Finish your degree or credential fast and debt-free! Learn more at sanjac.edu/admissions-aid/scholarships-grants.

Foster Care Liaisons – Foster care liaisons are in the financial aid and educational planning, counseling, and completion (EPCC) offices. For more information, email educational.planning@sjcd.edu.

Carl Perkins Childcare Grant – If you are pursuing an Associate of Applied Technology or occupational certificate, you may be eligible for childcare assistance. For information, email educational.planning@sjcd.edu.

Workforce Solutions – San Jacinto College partners with Workforce Solutions to provide childcare assistance to eligible students. Visit a campus financial aid office for information or email finaid@sjcd.edu.

LEARNING LABS / TUTORING



Student Success Centers offer free peer tutoring in a variety of subjects.

Math tutors provide assistance with math classes. Calculators, textbooks, and video resources are available for checkout.

Writing tutors offer assistance with completing writing assignments and identifying grammar errors. Computers are also available for your use.

Online tutors are available. You may schedule an appointment online through TutorTrac at sjctutortrac.sanjac.edu.

Central Campus
8060 Spencer Highway
Pasadena, Texas 77505

North Campus
5800 Uvalde Road
Houston, Texas 77049

South Campus
13735 Beamer Road
Houston, Texas 77089

Maritime Campus
3700 Old Hwy. 146
La Porte, Texas 77571

Generation Park Campus
13455 Lockwood Rd.
Houston, Texas 77044

281-998-6150 | www.sanjac.edu

The San Jacinto College District is committed to equal opportunity for all students, employees, and applicants without regard to race, creed, color, national origin, citizenship status, age, disability, pregnancy, religion, gender, sexual orientation, gender expression or identity, genetic information, marital status, or veteran status in accordance with applicable federal and state laws. The following College official has been designated to handle inquiries regarding the College's non-discrimination policies: Vice Chancellor of Human Resources, 4624 Fairmont Pkwy., Pasadena, TX 77504; 281-991-2659; Sandra.Ramirez@sjcd.edu.

 SAN JACINTOSM
COLLEGE

STUDENT DEVELOPMENT



San Jacinto Your Success

REGISTRATION **NOW OPEN** FOR **FALL 2021**

CLASSES START **AUGUST 23**

CENTRAL CAMPUS
8060 SPENCER HWY.
PASADENA, TX 77505

NORTH CAMPUS
5800 UVALDE RD.
HOUSTON, TX 77049

SOUTH CAMPUS
13735 BEAMER RD.
HOUSTON, TX 77089

MARITIME CAMPUS
3700 OLD HWY. 146
LA PORTE, TX 77571

GENERATION PARK CAMPUS
13455 LOCKWOOD RD.
HOUSTON, TX 77044

SAN JACINTOSM
COLLEGE

281-998-6150 | sanjac.edu

The San Jacinto College District is committed to equal opportunity for all students, employees, and applicants without regard to race, creed, color, national origin, citizenship status, age, disability, pregnancy, religion, gender, sexual orientation, gender expression or identity, genetic information, marital status, or veteran status in accordance with applicable federal and state laws. The following College official has been designated to handle inquiries regarding the College's non-discrimination policies: Vice Chancellor of Human Resources, 4624 Fairmont Pkwy., Pasadena, TX 77504; 281-991-2659; Sandra.Ramirez@sjcd.edu.