



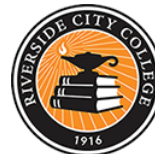
TAACCCT

STAKEHOLDERS' REPORT

2017



INTECH
INDUSTRIAL TECHNICAL LEARNING CENTER





Courtesy of InTech



Courtesy of Chaffey/JHill



Courtesy of Chaffey/JHill



Courtesy of VVC



Courtesy of Norco College



Courtesy of InTech



Courtesy of InTech



Courtesy of Chaffey/JHill



Courtesy of Chaffey/JHill



Courtesy of Barstow



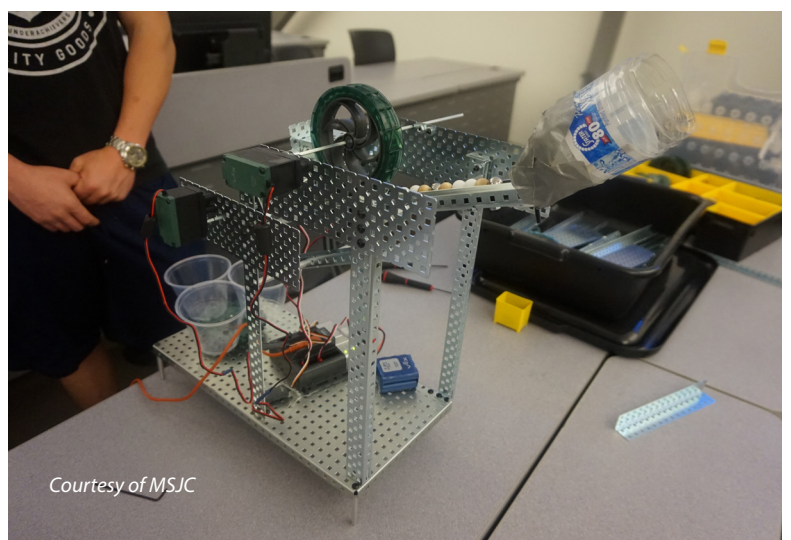
Courtesy of Chaffey/JHill

TAACCCT & Beyond

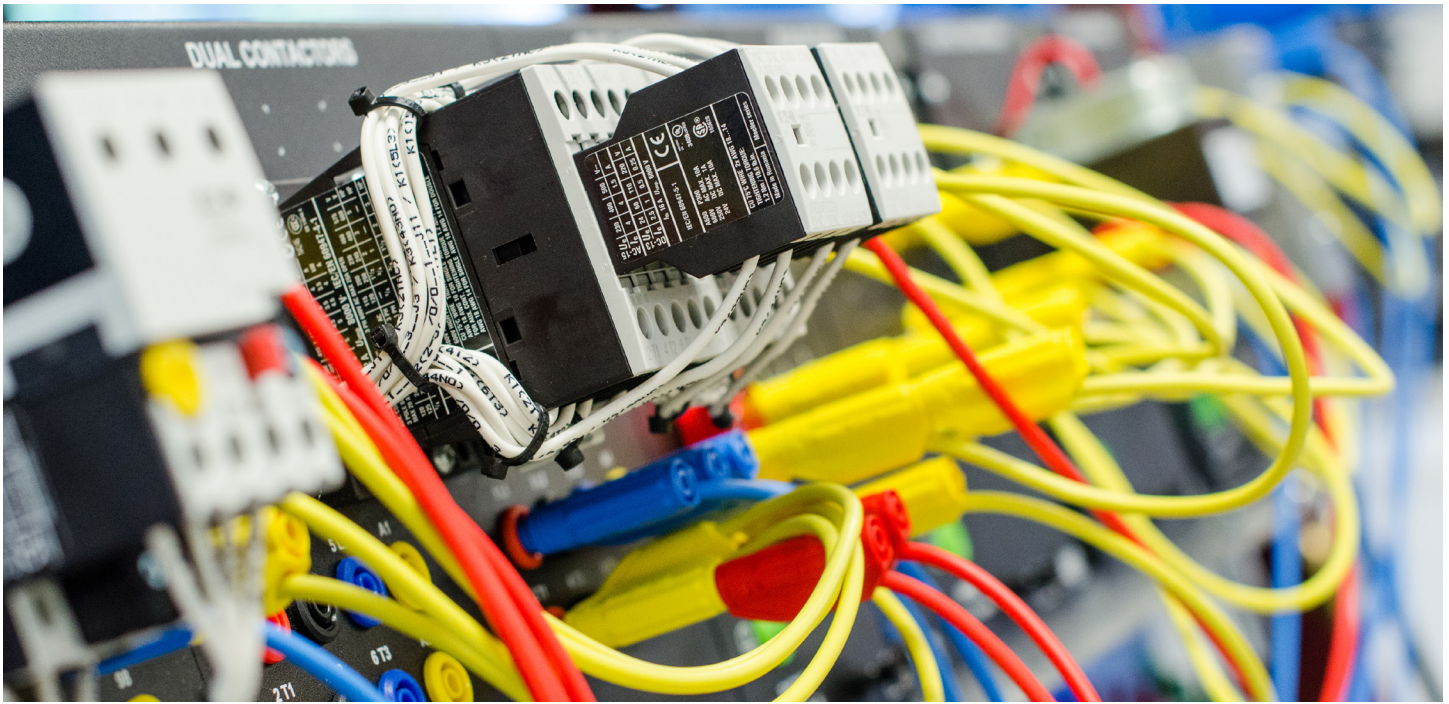
Many success stories can be attributed to the \$14.9 million TAACCCT grant awarded to the Inland Empire Regional Training Consortium (IERTC) in 2014. Within these pages, you will find how industry partnered with educators, how new careers led to stable families and growth, and how dignitaries see the Inland Empire as a model for the nation. As we celebrate our TAACCCT accomplishments, we look forward to the future and the opportunity to further expand economic prosperity throughout the region.



Courtesy of Chaffey/Duane Tkatch



Courtesy of MSJC



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TAACCCT

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Message from the Chaffey College Superintendent/President

Chaffey College has been partnering with local manufacturing employers for over 25 years to ensure we provide the rapid response to training that industry needs. This private-public collaboration, in particular with California Steel Industries, led to Chaffey College being the lead institution for the TAACCCT grant. When we work with industry, we are providing the training required to sustain its economic imprint on the region, further strengthening growth and impact throughout the Inland Empire and California.

By pushing ourselves to be responsive, to be collaborative, to be innovative - we become a unique and valuable resource to employers. Our goal is to not only help businesses achieve economic success, but to engage students in training that places them in a new career immediately. The TAACCCT grant has enabled Chaffey College and our partners to become a global competitor.

As educators, we have set the standard, both regionally and nationally. Now, it is our responsibility to our industry partners and our students to carry it forward beyond the TAACCCT grant.

Henry D. Shannon
Henry D. Shannon, Ph.D.
Superintendent/President
Chaffey College

Message from the TAACCCT & InTech Director



When the Inland Empire Regional Training Consortium (IERTC) received the \$14.9 million TAACCCT grant in 2014, the only one awarded in California, we knew as educators that we had a responsibility to provide vocational and technical training to individuals who were looking for a second chance in life. And as colleges, we hit the ground running. Our projected outcomes at the end of the grant in September 2018 were to serve 2,847 unique participants. As of September 2017, we have served a total of 4,832 individuals. That means almost 2,000 more individuals have received marketable job skills and highly technical training and are better prepared to enter the workforce.

One reason for our success is not only our commitment to serving students, but our partnerships with San Bernardino County and Riverside County Workforce Development Boards and multiple employers who are key to the economic prosperity of the region. By working with employers to address skills and experience gaps, we are able to upskill incumbent workers into higher-wage positions and usher in our newly trained participants into entry-level positions. It's a cycle that provides tremendous opportunity for regional economic growth and one I am proud to be a part of.

Sandra Sisco
TAACCCT Program Director
Chaffey College InTech Center



TAAAC

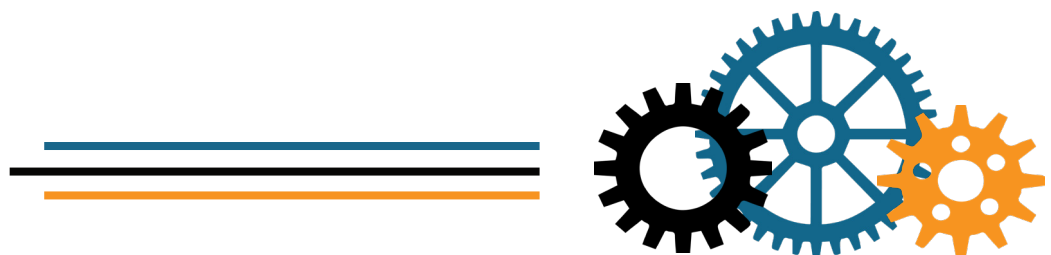
What is TAACCCT?

The U.S. Department of Labor's Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant program is a major investment to increase the ability of community colleges to address the challenges of today's workforce. Grants awarded are designed to help workers eligible for training under the TAA for Workers program, as well as a broad range of other adults.

Every U.S. state received funding for each of four years through 256 grants totaling \$1.9 billion. TAACCCT grants, which continue through September 2018, are impacting 60% of the nation's publicly-funded community colleges and building industry-aligned programs in manufacturing, healthcare, information technology, energy, transportation and other industries.

Through TAACCCT, community colleges have developed or redesigned nearly 2,600 Programs of Study to help adults learn skills that lead to family-supporting jobs. Each college or consortium of colleges developed programs of study aligned with local and regional business needs, which were identified through partnerships formed or strengthened with grant funds. To help adult students obtain industry-recognized credentials more quickly, colleges are using TAACCCT funding to innovate with strategies such as career pathways, credit for prior learning, competency-based models, online training, and strong student support systems.

Through this expansive effort, the Department of Labor is helping to strengthen our nation's institutions of higher education as engines of economic opportunity where adults can succeed in acquiring the skills, degrees, and credentials needed for high-wage, high-skill employment while also meeting the needs of employers in hiring skilled workers. The Department is implementing the TAACCCT program in partnership with the Department of Education.



TAACCCT



TAACCCT & the IERTC

Industry/educator partnerships in the Inland Empire date back more than 25 years, but a more formalized relationship was established around 2001 with the formation of a manufacturing association, currently known as the Manufacturers' Council of the Inland Empire (MCIE).

In the early stages of the relationship, the manufacturing industry reached out to the Economic & Workforce Development Department at Chaffey College seeking help to establish an accelerated craft training program. Industry partners, including SteelScape, Brithinee Electric, California Steel Industries (CSI), Vista Metals, California Portland Cement, Cott Beverages, Ventura Foods, Tamco, TST, Celestica, and a myriad of other employers, worked specifically on curriculum development to meet the training needs of manufacturers within the Inland Empire region.

The current MCIE Board continues to grow and works on a variety of projects with several community colleges, including Chaffey, San Bernardino Valley, Riverside City, Victor Valley, Barstow, and Norco Colleges.

Based on the outcomes of these relationships and the continuing need to address regional skills shortages, MCIE members concluded that industry would benefit from a regional training center. This idea was realized in 2014, when the Inland Empire Regional Training

Consortium (IERTC) successfully wrote for and received a \$14.9 million TAACCCT grant.

The consortium includes nine community colleges, two universities, MCIE employers, and both San Bernardino and Riverside County Workforce Development systems. The award also spawned a public-private partnership between California Steel Industries (CSI) and Chaffey College.

A portion of the grant funds were used for the renovation of a 33,000 square foot building located on the CSI property. CSI donated the building to the consortium to be used as a regional training center. CSI also used \$1.9 million of its own investment to renovate the building for use and leases it to Chaffey College for \$1.00 annually. It was established in February 2016 as the Industrial Technical Learning Center (InTech Center), a regional facility designed to train and upskill a workforce pipeline for advanced manufacturing companies in the Inland Empire region.

The rest of the funds were divided among the consortium partners to develop the highly trained/highly technical workforce necessary to advance industry and the economy of the region. Five areas of emphasis were identified: pre-engineering/engineering technology; industrial maintenance; machining; automation & robotics; and metal fabrication/welding.

IERTC TAACCCT DIVISIONS

- Chaffey College: \$7,380,126
- Norco College: \$1,684,882
- College of the Desert: \$1,619,805
- San Bernardino Valley College: \$1,264,945
- Mt. San Jacinto College: \$862,701
- Riverside City College: \$597,891
- MiraCosta College: \$529,011
- Barstow College: \$401,618
- Victor Valley College: \$295,340
- Cal State University, San Bernardino: \$219,649
- University of California, Riverside: \$98,760
- Crafton Hills College: \$25,556



Barstow College received \$401,618 in TAACCCT funds for their project. With these monies, Barstow College was able to expand upon its credit offerings in its Industrial Maintenance Mechanic Technology and Industrial Maintenance Electrical and Instrumentation programs. These 2-year programs offer National Center for Construction Education and Research (NCCER) stackable and latticed certifications embedded within an Associates of Science degree program. These credentials are highly desirable among the employers in the High Desert, which include Rio Tinto, Mitsubishi Cement, and CalPortland Cement.

In addition to traditional credit offerings, Barstow College has been able to greatly increase their contract training programs delivered to incumbent workers, mostly from mining/manufacturing companies seeking to train their employees in Industrial Maintenance, Welding, and Cal-OSHA. This training plan was primarily built based on input from the High Desert Manufacturers' Advisory Committee. Formed in 2015, the purpose of the Advisory Committee is to identify and establish training needs unique to manufacturers in the High Desert. This committee also works with local educational entities to train the upcoming workforce to fulfill hiring needs and to train incumbent workers to promote within their companies.

DATA

Students Served



SERVING **ALMOST 500 STUDENTS** OVER THE LIFE OF THE TAACCCT GRANT, IT HAS EQUATED TO **ALMOST 5,300 CREDIT HOURS** COMPLETED, AND STILL CLIMBING.

Sustainability

K-12 outreach is important to Barstow College because it exposes their future students and parents to careers within the fields of Mechanical and Electrical crafts. Recruitment for their programs has been an obstacle for Barstow due to their rural, remote location. They have addressed this through progress on articulation of their courses with local high schools, concurrent enrollment, classroom presentations by faculty to K-12 students and parents, and other CTE STEM events, such as their Summer Youth Program which has been running for 9 consecutive years. In particular, their College Career Pathways Program is of note, in which their biggest high school partner provides concurrent training to high school students, allowing them to complete the first two levels of their Industrial Maintenance program at Barstow's training center.



Ruben Ramirez

Maintenance and Electrical Degree

Maintenance Technician
CalPortland Cement

Like many others, Ruben Ramirez started out with some obstacles in his adulthood. After dropping out of high school in 10th grade to support his child, Ruben had some run-ins with the law as he struggled to make ends meet. Ruben got his GED a few years later, but was faced with time in prison. After his release in 2010, he completed a certificate at a private trade school but still had trouble finding work that paid enough. He enrolled in Barstow College's Maintenance and Electrical degree programs and graduated with a dual degree in only one year through their full-time TAACCCT-funded training program. Ruben participated in the Alpha Gamma Sigma honor society at Barstow College and received the Diligence Award and Edison Scholarship during his time there. He is now working as a Maintenance Technician at CalPortland Cement. Ruben plans to continue his education and get a degree in business with the goal of starting his own company one day.

“AT TIMES I WANTED TO QUIT AND TAKE A BREAK, BUT I KNEW THERE WAS A LIGHT AT THE END OF THE TUNNEL, SO I WENT FULL FORCE AHEAD. I’M THE FIRST MEMBER OF MY FAMILY TO GRADUATE FROM COLLEGE WHICH MEANS A GREAT DEAL TO ME AND MY FAMILY. I CAME A LONG WAY, AND I STILL HAVE PLENTY OF ROOM TO GROW.”

Photos courtesy of Barstow College



For more information about the Edison scholarship, go to www.edison.com/community



California State University, San Bernardino received \$219,649 in TAACCCT grant monies to design and deliver their Entrepreneurial Technician classes housed under the University's Inland Empire Center for Entrepreneurship (IECE). These classes are taught at the InTech Center and are available to participants across the consortium; the program is applicable to students training in any industry who wish to start a business or enhance their value to employers by acquiring the basics of entrepreneurship. The program includes developing a business plan, presenting/pitching your business idea, and completing hands-on components like QuickBooks so that students learn how to manage their business accounts.

The IECE has developed two pathways in this program: Entrepreneurial Technician 1.0 and 2.0. The 2.0 program is a deeper dive so that prospective entrepreneurs can build upon their existing knowledge and continue their focused instruction. Additionally, an Entre for Educators course was developed for middle and high school educators who want to insert the touchpoints of entrepreneurial thinking and practice into their teaching methods and curriculum. This course is offered in a hybrid format featuring both online and face-to-face instruction to make it easier for instructors to attend with their busy teaching schedules.

The California State University, San Bernardino IECE has been honoring the entrepreneurial spirit in the Inland Empire since 2003 with the annual "Spirit of the Entrepreneur" Awards Program. The purpose of the awards is to recognize and reward the entrepreneurial men and women who innovate, take risks, and build businesses that contribute significantly to our local economy.

DATA

Students Served

0
2015
(as of 9/30/17)

58
2016
(as of 9/30/17)

125
2017
(as of 9/30/17)

ORIGINALLY DEVELOPED AS A SUPPLEMENTAL "TEASER" COURSE INTO THE WORLD OF **ENTREPRENEURSHIP**, THE DEMAND HAS GROWN SO MUCH THAT THEY HAVE EXPERIENCED OVER A **200%** INCREASE IN PARTICIPATION IN THE LAST YEAR ALONE.



Crystal Williams with her Entrepreneurial Technician instructor, Al Gohary.

Crystal Williams

Entrepreneurial Technician 1.0 & 2.0 Certificate

**Founder/Owner
Crystal's Designs**

After 16 years working at a family-owned company, Crystal was ready to take the knowledge she had obtained in the printing industry and start her own business. She began her company, Crystal's Designs, in the fall of 2016, but knew she needed to learn the "business part" of running a successful enterprise. By taking Cal State University's Inland Empire Center for Entrepreneurship's TAACCCT-funded classes at the InTech Center, Crystal learned such topics as QuickBooks, Business Planning, and Social Media Design and Management. Crystal's new venture continues to grow, and she remains in touch with her instructor, Al Gohary, who still provides her with mentorship and advice as she grows her business.

Check out Crystal's Designs at www.crystalsdesigns.com or on Facebook at [@wantdesigns](https://www.facebook.com/wantdesigns).

"THE COURSE WAS EXACTLY WHAT I NEEDED. IT HELPED ME SET REAL GOALS AND GAVE ME THE TOOLS I NEEDED TO RUN MY OWN BUSINESS WITH MORE CONFIDENCE."



Chaffey College

As the project lead, Chaffey College was responsible for maintaining data records and ensuring all colleges received the help they needed to complete their TAACCCT programs. The remaining funds went to developing and implementing advanced manufacturing programs to unemployed and underemployed individuals in the Inland Empire.

Training programs include Industrial Electrical, Industrial Mechanical, Automation & Process Control, Mechatronics, HVAC, AutoCAD, MasterCam, SOLIDWORKS, Construction, Welding, Office Occupations and Forklift Training. Technical training is based off the National Center for Construction Education and Research (NCCER) curriculum. Trainees qualify and receive NCCER certifications, which are nationally recognized by multiple industries.

DATA

Students Served

| | | |
|-----------------|-----------------|-----------------|
| 13 | 305 | 446 |
| 2015 | 2016 | 2017 |
| (as of 9/30/17) | (as of 9/30/17) | (as of 9/30/17) |

SINCE THE INTECH CENTER OPENED IN FEBRUARY 2016, THEY HAVE SERVED OVER **1,200 STUDENTS** AND HAVE A **77%** PLACEMENT RATE. ADDITIONALLY, THE INTECH CENTER HAS UPSKILLED ALMOST **750 INCUMBENT WORKERS.**

INTECH

INDUSTRIAL TECHNICAL LEARNING CENTER

The InTech Center is located on California Steel Industries' (CSI) property and is a 33,000 square foot facility with six classrooms, a computer lab, pre-engineering lab, electrical lab and mechanical lab. Chaffey College invested \$2.1 million of the TAACCCT grant into the renovation of the InTech Center, with CSI investing an additional \$1.9 million. The InTech Center officially opened its doors to training in February 2016.

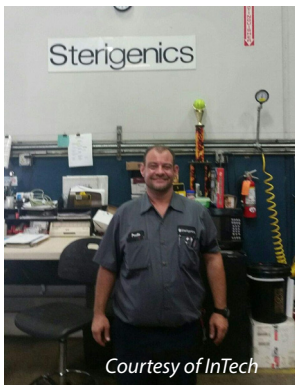
The InTech Center is unique because they have a job placement specialist who works with trainees to develop their resumes and improve their interview skills. "We provide job matching services that benefit our preferred employer partners," said Sandra Sisco, Director of Economic Development and the InTech Center. "We don't just offer jobs to our program trainees, but long-term career paths that provide a living wage and better quality of life."

Other services InTech provides are targeted youth programs, Welfare-to-Work and paid internships for trainees at no cost to employers. The InTech Center and key industry partners were also recently approved by the California Division of Apprenticeship Standards (DAS) to provide apprenticeships in Industrial Maintenance Electrician and Industrial Mechanic occupations.



TRAINEE SUCCESS STORIES

PAULO AGUILAR



Paulo was a determined individual who had been working, but was not being paid well and wanted a new career. He enrolled in an InTech training program over a year ago; during that time, he became unemployed, frustrated and discouraged. With guidance from the InTech Center staff, he applied for and obtained employment as a technician at Sterigenics. He demonstrated a desire to learn and maintained a positive attitude. Due to his diligence and strong work ethic, Paulo began to show his leadership abilities by making suggestions to improve processes. He is now being groomed and trained to take on the lead position when his supervisor retires, and is still taking additional courses at the InTech Center to upskill himself.

LUIS A. RIVAS II

As a young millennial, Luis initially wanted nothing more than to stay at home and play video games. However, after hearing about the InTech Center's electrical program, he decided to pursue his dream of becoming an electrical engineer. His dedication and passion helped him excel in the program, and upon completion, he was able to begin an intensive internship with Northrup Grumman, one of the most prestigious defense manufacturers in the world. He remained committed to the position, and after four months, was offered a permanent position with the company with numerous opportunities for growth. Now with a wonderful job, Luis is working toward his goal of obtaining an electrical engineering degree.



LINDA WILSON

One of the most significant issues that may affect success of a training program is the lack of a strong support system. Unfortunately for Linda, her support system was disrupted early in the training – she experienced the loss of a family member within the household. This directly disrupted Linda's and her minor child's financial assistance. However, through hard work and dedication, she was able to continue coming to school and providing for her family. After program completion, Linda encountered more challenges with background issues that caused employers hesitation. She remained diligent and continued to apply regardless of any adversity. Linda ultimately acquired the first InTech internship with Domino's and has returned for training at the InTech Center to further advance her skillset.





College of the Desert was awarded \$1,619,805 of the TAACCCT grant to expand its existing HVAC programs to meet the needs of industry and a changing workforce. TAACCCT funds paid for the development of the new Building and Energy Systems Professional (BESP) Associate of Science degree program at College of the Desert. This program contains varied industry-recognized certifications in 16 different occupations all under the same degree program and represents a model of how TAACCCT funds enabled huge improvements in a credit-bearing program in direct response to student and industry needs. A key feature of the program is that students can choose a concentration within the degree to focus on industry specialties that are in high demand and are able to stack their certificate with other credentials and certificates. Students have the option to focus on particular advanced energy careers by choosing from various depths of study, such as Alternative Energy Systems, Building Control and Environmental Systems, Advanced Lighting Systems, Building Analysis, Construction, and Inspection within the Zero Net Energy (ZNE) related fields. The Heating, Ventilation, Air Conditioning, and Refrigeration (HVACR) Collaborative has been instrumental in informing curriculum and aligning learning outcomes for students as well as preparing new curriculum for emerging technologies.

DATA

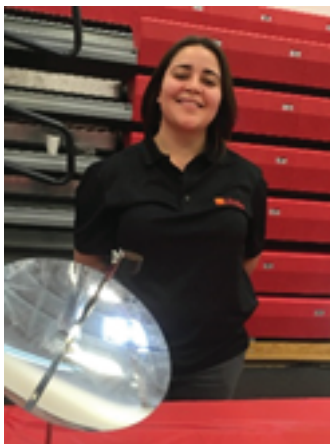
Students Served

| | | |
|-----------------|-----------------|-----------------|
| 55 | 121 | 272 |
| 2015 | 2016 | 2017 |
| (as of 9/30/17) | (as of 9/30/17) | (as of 9/30/17) |

AFTER RE-VAMPING THEIR WHOLE ENERGY PROGRAM, COLLEGE OF THE DESERT HAS GROWN IN **200%** INCREASES EACH YEAR OF THE GRANT, ALLOWING THEIR STUDENTS TO EARN STACKABLE CREDENTIALS THROUGHOUT THEIR DEGREE PROGRAMS.

Sustainability

Another feature of College of the Desert's outcomes is the creation of a new CTE website for the College called CODtoCareers. The site features a "Decision Tree" interactive graphic in which individuals who are considering careers in Energy can "Plug Into Your Energy Career." It also has a page for middle and high school students who are interested in more information about career pathways and college, and a placement page which features internship, work experience, and placement services for participants. Of particular note is the Energize Colleges program, which provides paid internships for students in the ZNE program under the umbrella of the BESP degree. This program, which is supported by a grant from Strategic Energy Innovations, places ZNE students in paid internships with local industry partners, allowing students to gain practical field experience and to work on renewable energy/energy efficiency projects in the community. College of the Desert and Strategic Energy Innovations give interns college credit and pay them for up to 85 hours of work, thus allowing students to gain valuable work experience while they are still in school. Interns have worked on projects like improving HVAC efficiency, installing and maintaining air conditioning systems, working with water controls, engaging in solar sales, and analyzing solar controls/monitoring systems. These internships have been hosted by College of the Desert's industry partners, many of whom have hired students upon completion of their internship. The Energize Colleges is one of many examples of how College of the Desert is leveraging other funding streams to enhance its TAACCCT-funded projects.



Miriam Macias

Building and Energy Systems Professional
Associate of Science Degree

Solar Monitoring Intern
Hot Purple Energy

Miriam Macias is taking classes in College of the Desert's Building and Energy Systems Professional program, and thanks to their Energize Colleges Internship Program, is also working at Hot Purple Energy as a Solar Monitoring intern. She has worked in this position since March 2017 and has been trained in using a solar database and monitoring software. During her internship, she uses the software to monitor the output of installed solar panels, identify equipment and network malfunctions, and update client information. Miriam has also assisted in outreach efforts to educate high school students about careers in solar energy.

Photos courtesy of College of the Desert



®

Goodwill Southern California

Goodwill Industries works to enhance the dignity and quality of life of individuals and families by strengthening communities, eliminating barriers to opportunity, and helping people in need reach their full potential through learning and the power of work. They meet the needs of all job seekers, including programs for youth, seniors, veterans, and people with disabilities, criminal backgrounds and other specialized needs.

Goodwill Industries is committed to inclusion and diversity and respecting the people they serve, their community members, and the people with whom they work. They believe in putting people first, providing a safe space for their employees and creating environments where people have the support they need to build their work skills and care for their families. As a result of their commitment to those in the region, Goodwill partnered with Chaffey College to use the InTech Center training programs as an option when discussing career goals with individuals who come in seeking help.

After they assess a candidate's interests, they may refer that individual to the InTech Center, and while that candidate attends a program, assist them with supportive services, such as English language training,

additional education, or access to transportation and child care. It doesn't stop when the program is over - the InTech Career Team works with the individual to place them at a company, and again, Goodwill works with them as needed, including providing tool kits, steel-toed boots, or other items.

Goodwill's partnership with local community colleges provides a full-circle, guided pathway that shows individuals where to begin, what they need, and how they can get success in a new career. It's partnerships like these that make the IERTC and the TAACCCT grant vital to the economy in the region.



There are multiple Goodwill locations in Southern California.

For a list, please visit:

www.goodwillsocal.org

www.goodwill.org



CRAFTON HILLS COLLEGE

Crafton Hills College received \$25,556 in TAACCCT funds to expand the Three Dimensional Design Course and to launch the new Multi-Media Art Certificate Program. These programs train participants in skills that will enable them to be successful in careers related to engineering and design. The 3D printers are in use for production of 3D-related design and plastic art applications such as functional design, modular design, industrial design, toys, architecture and jewelry. Crafton Hills College has a much smaller project in relation to other partners in the consortium, but it's one that is destined to have a positive impact on students. The first cohort began classes in fall 2017, utilizing recently purchased classroom instructional supplies which enables them to prototype and produce their designs using hands-on lab activities and a 3D printer.



DATA

Students Served

| | | |
|--------------------------------|--------------------------------|--------------------------------|
| 0 | 0 | 32 |
| 2015 (as of 9/30/17) | 2016 (as of 9/30/17) | 2017 (as of 9/30/17) |

AFTER RECENTLY PURCHASING STATE-OF-THE-ART EQUIPMENT, CRAFTON HILLS COLLEGE IS WELL ON THEIR WAY TO MAKING A STRONG IMPACT IN THEIR SERVICE AREA IN THE FIELD OF ENGINEERING.



MiraCosta College received \$529,011 of TAACCCT grant funding which has expanded the programs being delivered at its Technology Career Institute (TCI). The TCI was actually the inspiration for the InTech Center and was instrumental in helping to lay the foundation for the InTech facility development and program infrastructure. TAACCCT-funded programs include not-for-credit programs for the Engineering Technician and Advanced Manufacturing pathways. Embedded in these programs is a strong supportive service and job placement component which assists students to be more successful in their completion and employment goals. MiraCosta College is also leveraging grant resources from Interfaith Services to cover fee-based class costs, while Alliance for Regional Solutions funding is helping students with transportation assistance. Another example of how MiraCosta College's TCI is strategically leveraging additional resources to benefit its students is its use of the SoCal America's Promise grant to cover instructor salaries and equipment costs for TAACCCT participants.

Employer engagement is increasing through ongoing outreach efforts at TCI. In addition to providing guest speakers, allowing students to tour their facilities, and offering feedback and consultation on curriculum, TCI has also greatly grown the contract training classes provided for employers to train their incumbent workforce. Training classes include CNC machining and Electronic Assembly.

Additionally, MiraCosta College just received final approval from the California Division of Apprenticeship Standards (DAS) to offer five Registered Apprenticeship programs along with four sub-programs in Engineering Technology. Work is underway with employers who are on their Apprenticeship Committee to plan and implement the curriculum for these programs.



DATA

Students Served

43

2015
(as of 9/30/17)

209

2016
(as of 9/30/17)

333

2017
(as of 9/30/17)

MIRACOSTA PLACES STUDENTS IN CAREERS, NOT JUST JOBS. THEY HOLD TIGHT AT AN **89%** RETAINED IN EMPLOYMENT RATE. MIRACOSTA IS TRULY CREATING A LASTING IMPACT IN THE LIVES OF THEIR STUDENTS.



Courtesy of MiraCosta College

Eugenia Fernandez

Engineering Technician Certificate

Civilian Optics Technician
R&P Technologies

Eugenia Fernandez is a single mother who enrolled at MiraCosta College's Technology Career Institute in their Engineering Technician program with the hopes of fulfilling her dreams of working on Navy ships in nearby San Diego. Eugenia faced multiple life obstacles during her training, including finding herself and her young son homeless partway through her training. She persevered and successfully completed the program and found entry-level work as a technician. As she gained experience and earned enough money to move into a new apartment with her son, she was able to pursue a job as a Navy Civilian Optics Technician and is now working on Naval vessels — her dream job. Her salary has increased by 225% compared to this time last year as a result of the TAACCCT-funded training.



MSJC

MT. SAN JACINTO COLLEGE

Mt. San Jacinto College received \$862,701 of TAACCCT funds, which they utilized to stand up their flagship Principles of Engineering course and develop the Engineering Technologist Support Certificate program. This program prepares students for a career in a variety of industries including civil engineering, architecture, surveying, and manufacturing processing.

TAACCCT funding also modernized a classroom at the Santa Fe Education Center in Hemet where grant-funded courses are being scheduled to take place. This facility, along with the Mt. San Jacinto Menifee campus, offers greater accessibility to participants in terms of their location. Classrooms on the Menifee campus feature engineering devices constructed by students in the Principles of Engineering class to demonstrate various mechanical engineering processes. These devices are also utilized by high schools with articulated pathways to the Engineering program so that there is alignment with the principles and hands-on modules being taught.

Mt. San Jacinto College recently conducted an Engineering and Computer Information Systems Skills Panel in which several industry experts advised students and faculty about the desired technological and soft skills needed in the workplace, and what they are looking for in candidates for open positions and promotions. Industry also engages with Mt. San Jacinto College through the Engineering Advisory Council, in which employers provide curriculum feedback and input to faculty. K12 engagement is strong, and several articulation agreements are in place with Hemet Unified School District and several other districts within the College's service area to provide alignment and a seamless transition between high school and college engineering and math coursework.

DATA

Students Served

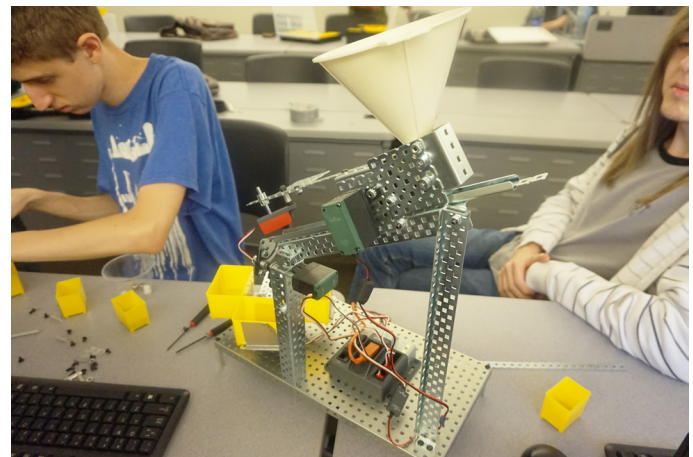
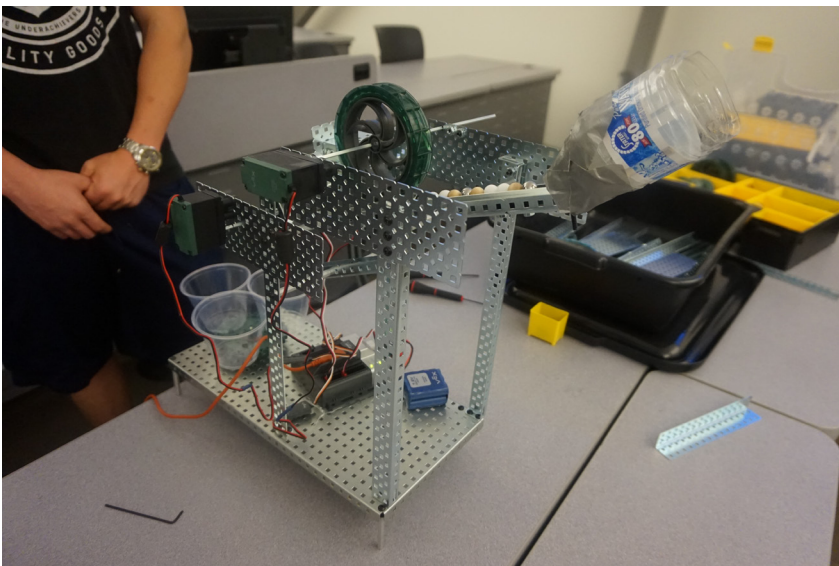
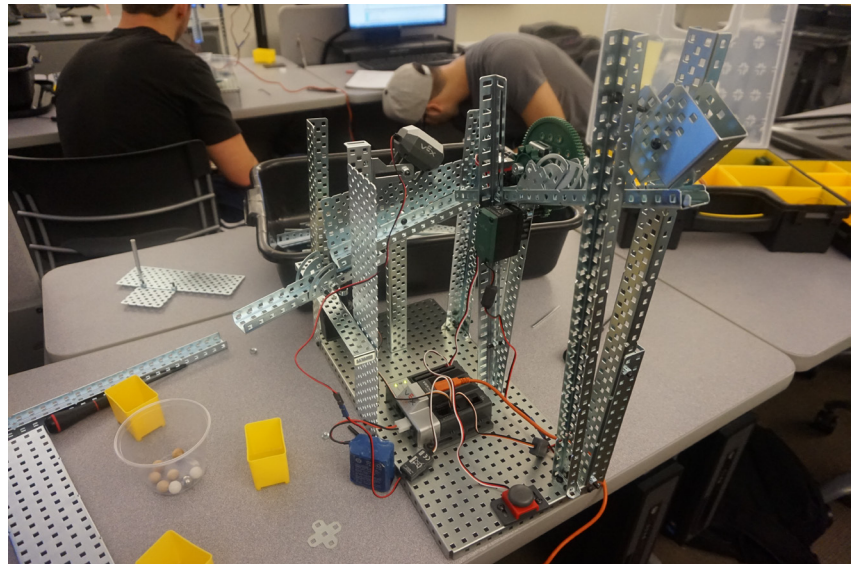
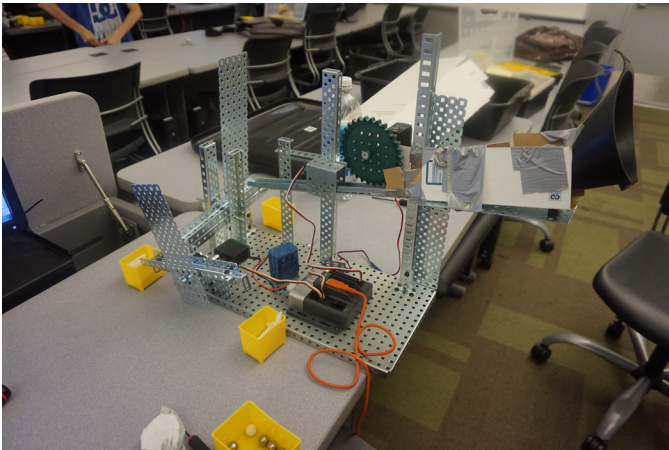
0
2015
(as of 9/30/17)

331
2016
(as of 9/30/17)

159
2017
(as of 9/30/17)

FOCUSED ON ENGINEERING, MSJC HAS DONE A TREMENDOUS JOB OF OUTREACH, ATTRACTING FEMALE STUDENTS WHO NOW ACCOUNT FOR OVER **40%** OF CLASS ENROLLMENT.

PRINCIPLES OF ENGINEERING



Photos courtesy of MSJC



ABOVE, Numerous mechanical-electrical devices are constructed by students as projects in the TAACCCT-funded Principles of Engineering classes. These teach and demonstrate designed processes.

LEFT, The Engineering and Computer Information Systems Skills Panel was developed by MSJC to engage and connect industry experts with students and faculty regarding open positions and promotions, and the technological and soft skills needed in the workplace.



NORCO COLLEGE


Norco College was awarded \$1,684,882 of TAACCCT funds which enabled them to design and develop the ACE (Accelerated Certificate and Employment) program. Norco's certificate programs range anywhere from 12 to 29 units. Students move through their classes as a cohort, so they get to know each other and their instructors extremely well and can offer encouragement and motivation to their peers. After obtaining their certificate, students may continue on in their education at Norco to obtain an Associate of Science degree since the courses are degree-applicable.

What makes these programs different from other CTE programs at Norco College is the accelerated full-time schedule, which allows students to complete their programs in a matter of months. A Monday-Friday, 8 a.m.-5 p.m. schedule is not typical at a community college. However, Norco College recognized the skills gap and urgency to produce qualified candidates and worked diligently with college administration to create several full-time programs. The TAACCCT funding has resulted in positive institutional change at Norco College, which allows ACE students to take additional units during the term, provides express counseling for students, and amends other financial aid processes to fit the program.

The ACE program provides additional services to students, such as case management, workshops on academic and personal support topics, tutoring, industry tours, coordination with resources on and off campus, and placement upon graduation. Programs of study include Business Information Worker, Conventional Machine Operator, and Industrial Automation.

Norco College recently received \$50,000 in funding from the Golden State Environmental Justice Alliance. This private gift will provide funding for program-related expenses, including student support services, supplies, and instructional equipment. It will also help cover scholarships for the cost of tuition, fees, transportation and other needs directly related to ACE training for low-income students.

Norco College has convened several Industry Panels for their ACE students, in which employer representatives speak about the technical skills and work ethic traits they require at their companies. Panelists also take time to network with future graduates regarding future job opportunities. As the ACE program has gained popularity in the region, local high school districts, such as Riverside Unified School District, are sending their students to these events to learn more about the advanced manufacturing career pathways. These high school students, who may be future Norco College students, leave these events with enough information to choose a career pathway and find a college that will provide them with the technical skills needed to succeed.



DATA

Students Served

30

2015
(as of 9/30/17)

102

2016
(as of 9/30/17)

145

2017
(as of 9/30/17)

OPERATING ON AN **90%**
PLACEMENT RATIO, NORCO COLLEGE
HAS BEEN ABLE TO IMPACT HUNDREDS
OF LIVES AND TRULY MAKE A
DIFFERENCE IN OUR ECONOMY.



Courtesy of Norco College

Michael Carlos

Industrial Automation Certificate

**Maintenance Multi-Skilled Technician
Walmart Fulfillment Center**

Michael Carlos enrolled in Norco's full-time ACE (Accelerated Certificate & Employment) program with the goal of gaining job skills and training for a new career. Michael demonstrated commitment, hard work and dedication during his time in the program, so much so that his classmates nominated him for an "Award of Excellence" for his team-oriented attitude and professionalism. After graduating and interviewing with several employers, Michael chose to work for Walmart Fulfillment because of the great pay and flexible work schedule, which allowed him to further pursue education. Michael has already advanced to a top-level technician role at Walmart.

Michael Carlos reconnected with the ACE Program team in late 2017 and has agreed to serve as an advisor and mentor to new graduates. He has committed to participating in upcoming orientations, workshops, and industry panels. His knowledge and technical expertise will positively impact future ACE graduates!"

"THE ACE PROGRAM IS GREAT. WE COVERED EVERYTHING FROM AUTOMATION, PLCs, MICROPROCESSORS, AC/DC ELECTRONICS, HYDRAULICS, AND SO MUCH MORE. IT WAS A GREAT OPPORTUNITY TO GAIN NEW SKILLS, WHICH EVENTUALLY HELPED ME FIND A GREAT JOB WITH WALMART FULFILLMENT."



Riverside City College received \$597,891 in TAACCCT funds which was utilized to develop and deliver two credit-bearing programs: an Information Security and Cyber Defense certificate program as well as a Quality Assurance stackable certificate program. Participants are usually job-ready and hired after they receive their first industry-recognized certification in both of these programs. On the not-for-credit contract training side at Riverside Community College District, these programs have been adapted and customized to serve incumbent workers under the Quality Assurance program. Workers receive certificates that include American Society of Quality (ASQ) material on Six Sigma Yellow Belt and Green Belt, as well as other topics covered by ASQ subjects. These certifications qualify completers to move up within their companies.

Both Information Security and Cyber Defense and Quality Assurance have specific technical demands that require modern laboratories for hands-on learning. The Cyber lab is an incredible feat of network engineering that required integrating legacy technology with the latest hardware and software. The Metrology lab provides students with measuring instruments, including a Coordinate Measuring Machine purchased with TAACCCT funds. The lab also provides testing methods that meet the fundamental industry demands of global quality assurance.

In addition, K-12 outreach to recruit non-traditional students to these opportunities continues to grow at Riverside City College. Several successful examples include the Non-Traditional Employment for Women and “We Are CTE at RCC” events, both of which serve over 1,000 high school students and expose underrepresented individuals to college pathways leading to high-skill, high-wage careers after high school graduation. Riverside City College also hosts an American Air Force CyberCamp during the summer for high school students. Using braided funds, the camp is designed to teach students about cyber ethics and critical network security skills and tools. The camp culminates in a team-based competition that puts students in the role of IT administrators tasked with finding and addressing cybersecurity vulnerabilities in simulated network environments.

DATA

Students Served

0

2015
(as of 9/30/17)

95

2016
(as of 9/30/17)

177

2017
(as of 9/30/17)

SINCE THE START OF RCC'S CYBER SECURITY AND QUALITY ASSURANCES PROGRAMS, THEY HAVE ISSUED MORE THAN **201 CERTIFICATES** AND ARE STILL CLIMBING.

Brad Crane

Cisco Networking Certificate

Lab Assistant

Riverside City College

Brad Crane has a passion for computer networking and began his education with Riverside City College's Cisco Networking class. He then moved through the Cisco Networking program, taking three more Cisco courses to complete the course requirements for a Cisco Networking certificate. He was then hired by Riverside City College to work as a Lab Assistant in the newly-opened Cyber Lab. Brad is continuing his education and is currently taking additional coursework. He is able to assist other students who are moving through the program with his experience and expertise that he gained in the program.



Riverside City College's American Air Force CyberCamp students on their last day of the program. Brad Crane is fourth from the left in the white T-shirt. Photo courtesy of Riverside City College.



San Bernardino
Valley College



San Bernardino Valley College/San Bernardino Community College District (SBCCD) was awarded \$1,264,945 in TAACCCT monies and has primarily utilized their allocation to expand and enhance SBCCD's Mechanical Craft and Welding programs. These programs are not-for-credit and result in industry-recognized National Center for Construction Education and Research (NCCER) stackable certifications. In response to industry feedback, the Cal/OSHA 10 certification has been added to these programs. Most trainees who complete their training program receive salary increases in their current position or are hired at a different company making a higher wage. SBCCD was also able to serve TAA-eligible workers who were laid off from a large furniture manufacturer in the summer of 2016 offering training classes in HVAC that increased their Mechanical aptitude and provided a stronger re-hire portfolio.

SBCCD purchased welding equipment to provide the most up-to-date hands-on experience that employers are asking for, allowing students to test for the American Welding Standard (AWS) certification. Meanwhile, trainees in the Mechanical Craft program performed their hands-on instruction at the Mechanical Lab located at the InTech Center. The Mechanical Craft program has been a very successful example of how a TAACCCT sub-recipient college has utilized the resources at InTech to enrich the learning process for their students. Employers who have benefitted from these programs include California Steel Industries, 3M, Dollar Tree, and Lynam Industries.

In addition, San Bernardino Valley College utilized another funding stream, the Ramp Up Grant (funded through Victor Valley College from the California Community College Chancellor's Office), to enhance articulation between high school and college career pathways. This model of dual enrollment, virtual tours, and competency sequencing are working to enrich the transition between high school and college courses.

DATA

Students Served

| | | |
|-----------------|-----------------|-----------------|
| 15 | 189 | 216 |
| 2015 | 2016 | 2017 |
| (as of 9/30/17) | (as of 9/30/17) | (as of 9/30/17) |

SBCCD HAS BEEN ABLE TO FOCUS ON SERVING "NEW STUDENTS" AND BUILDING OUR WORKFORCE, BUT THEY HAVE ALSO IMPLEMENTED A HIGHLY COMPETITIVE AND SUCCESSFUL INCUMBENT WORKER UPSKILLING PROGRAM, WHERE MORE THAN **HALF** OF THEIR PARTICIPANTS RECEIVED WAGE INCREASES.



John LaCoste

NCCER Industrial Maintenance &
Mechanical Craft Certification

**Water Reclamation Technician
Eastern Municipal Water District**

John LaCoste was working as a maintenance technician for Stater Bro's Markets Inc. in San Bernardino, CA from 2015-2017. Stater Bro's management supported his desire to learn and paid his wages while he attended classes one day a week taking maintenance classes offered by SBCCD at InTech. John successfully completed their 144-hour Industrial Maintenance/Mechanical Craft Level 1 program as well as an Cal/OSHA 10 course. During the class, he spent a considerable amount of hands-on time in the shop working with hydraulics, bearing installation, rigging, and using power tools. This was vital for John because he is predominately a kinesthetic and visual learner. John was also introduced to a circle of professionals that helped him with his professional goals. The San Bernardino Valley College program truly proves the positive impact that the TAACCCT funding has on helping workers upskill and gain career and wage advancement. Due to the marketability of students upon completion of training, there is more opportunity. John was ultimately hired as a Water Reclamation Technican at the Eastern Municipal Water District.

“CALIFORNIA’S INCUMBENT WORKERS CAN GREATLY BENEFIT FROM TRAINING PROGRAMS SUCH AS THESE. IF AN INDIVIDUAL WERE EVER DISPLACED FROM HIS/HER NORMAL CAREER, IT WOULD NOT BE HARD FOR HIM/HER TO GET NOT JUST ANOTHER JOB BUT A SKILLED AND WELL-PAYING JOB AFTER GRADUATING. I WAS BLESSED TO HAVE BEEN ABLE TO PARTICIPATE IN THIS PROGRAM FOR FREE. IT HAS GREATLY IMPROVED MY LIFE AND I AM VERY GRATEFUL.”



MANUFACTURERS' COUNCIL *of the* INLAND EMPIRE

The Manufacturers' Council was originally started in 2001 when six manufacturers came together to train their maintenance employees to improve their skill base. Unfortunately, due to changes in the economy, the employers and programs fell apart after one year.

In 2005, the Manufacturer's Council of the Inland Empire (MCIE) was reborn, in large part due to California Steel Industries' (CSI) and Chaffey College Economic Development Director Kathy Dutton. There were 15 manufacturers, including many from the original council, who came together to talk about the common need to develop employees for high paying advanced manufacturing positions. Chaffey College spearheaded this effort when it identified manufacturing as a growing area in employment in the Inland Empire.

Over the last eight years, the Manufacturers' Council

has grown to 50 manufacturers and implemented nine new programs, collaborating with Chaffey College, SBCCD and the San Bernardino County Workforce Investment Board. The programs include: Intermediate and Advanced Electrical and Mechanical Craft Development, Welding, Entry-Level Manufacturing Skills, Management, and Lean Manufacturing/5S Training.

In an effort to educate manufacturers on current and future challenges, recognize outstanding innovative manufacturers in the Inland Empire, and showcase the variety of manufacturers' in the Inland Empire, the Council sponsored the first annual MCIE Summit in February 2012. The first event had 250 attendees. Since the first Summit, the MCIE event has grown to over 600 attendees and 45 sponsors.

The current MCIE Board is made up of members from CSI, Vista Metals, Brithinee Electric, Mitsubishi Cement, Combustion Associates, and Microdyne. The MCIE continues to grow and works on a variety of projects with several community colleges that participate in the TAACCCT grant.

The MCIE, TAACCCT grant and the InTech Center likely would not have been successful if not for the guidance and commitment of Kathy Dutton. As Chaffey Director of Economic Development, Kathy was crucial to developing partnerships with employers and delivering rapid response training to their entry-level and incumbent workers. Though Kathy retired in January 2017, we are thankful for everything she has done to make the Inland Desert region an economic force, both nationally and globally.

www.mfgcouncilie.com

ANNUAL MANUFACTURERS' SUMMIT • INLAND EMPIRE

Save the Date!

7TH ANNUAL MANUFACTURERS' SUMMIT
February 15, 2018 | 7 a.m. – 2 p.m.
Ontario Convention Center

- Industry Speakers
- Vendor Exhibit Area
- Breakout Sessions on Specialty Topics
- Manufacturing Innovation Awards
- Made in the I.E. Manufacturers Displays

Visit MFGCouncilie.com for additional information

Contact us at contact@MFGCouncilie.com

CALLING ALL MANUFACTURERS
Enter the E= mc² Innovation Awards.



Pictured from left to right are Rod Hoover of California Steel and Dr. Henry Shannon and Kathy Dutton of Chaffey College during an event about the TAACCCT grant in Fontana in 2014. Photo courtesy of the Fontana Herald News.

UC RIVERSIDE UNIVERSITY OF CALIFORNIA

University of California, Riverside received \$98,760 in TAACCCT grant funds. The University's role in the consortium is unique because it is the only educational entity not providing training or classes. Rather, through the Center for Economic Development & Innovation (CEDI), the University provides considerable outreach on behalf of the TAACCCT consortium, using its reach and influence to increase awareness of TAACCCT-funded programs. Considering that four of the consortium colleges are located in Riverside County, there is immense impact as the University of California, Riverside CEDI markets their programs at meetings/events with representatives of K12 educational professionals, county economic and workforce development departments, chambers of commerce, community-based organizations, and elected officials.



Courtesy of U.C., Riverside



Victor Valley College received \$295,340 in TAACCCT funds which aided the expansion of their Welding Certificate credit program. This allowed them to purchase technologically-advanced equipment which fulfills the needs of local employers who hire graduates from their program. Students receive certification through the American Welding Society (AWS). The use of leveraged funding has been instrumental to the implementation and success of Victor Valley College's project. Utilizing Measure JJ bond monies, nearly 6,000 square feet of instructional and lab space was created for the Welding program. The new Welding Vocational Complex opened in February 2017 and replaced the old Welding building which was built in 1980. This enabled Victor Valley College to nearly double its instructional capacity and train additional students to meet employer demands. The TAACCCT-funded equipment is housed in the new welding complex and has been instrumental in teaching the skills required by employers for Welding occupations.

Additionally, in response to a request from the High Desert Manufacturers' Advisory Committee and one company in particular, Mitsubishi Cement, Victor Valley College expanded its contract training programs delivered to incumbent workers with a special not-for-credit Welding training class. Victor Valley College designed and delivered this project utilizing Chaffey College's Employment Training Panel (ETP) funds. The class took place in the new Welding Complex.

Articulation efforts, both with local high schools and San Bernardino Valley College's Welding program, continue to occur. High Desert employers, public entities, and community partners frequently tour the new Welding complex and assist with outreach by sharing their positive experience with their constituent groups.

DATA

Students Served

| | | |
|--------------------------------|--------------------------------|--------------------------------|
| 0 | 16 | 433 |
| 2015 (as of 9/30/17) | 2016 (as of 9/30/17) | 2017 (as of 9/30/17) |

SKYROCKETING AFTER THEIR NEW WELDING TRAINING FACILITY WAS BUILT EARLIER THIS YEAR, VVC HAS EXPERIENCED A **2700%** INCREASE FROM YEARS 1 AND 2 TO YEAR 3.



VICTOR VALLEY COLLEGE WELDING PROGRAM



1 The outside of Victor Valley College's Welding Vocational Complex that opened in February 2017.

2 Ian Ramirez uses a track cutter during the welding program.

3 Ian Ramirez cools down his metal piece in the quench tank.

4 Armando Aceves uses the Dynasty 350 Stick/TIG welder.

5 Leonard Campbell utilizes an anvil to straighten metal pieces before welding.



TAACCCT HIGHLIGHTS

During the period of the TAACCCT grant, the colleges have experienced a number of events, dignitary visits and great achievements. As we complete our last year, we take a look back at all we have accomplished.



Senator Kamala Harris visited and toured the InTech Center in August 2017 to discuss with local industry leaders the positive impacts of workforce development and job creation to the region and nation. Harris stated she would return to Washington, D.C. to share what she thinks is a “national model”.

Due to the successful public-private partnership with California Steel Industries (CSI) and the Manufacturers’ Council of the Inland Empire (MCIE), the Partnership for Industry and Education (PIE) award was given to Chaffey College, CSI and MCIE at the 2017 California Economic Summit.

Nearly 1,000 students registered for Manufacturing Day on October 6, 2017, serving districts from San Bernardino County, Riverside County and Los Angeles County. There were 10 school districts, 22 school sites and over 30 vendors and hands-on exhibits, including tours of California Steel Industries’ Steel Mill.



 Chaffey College

U.S. Department of Labor Secretary Alexander Acosta and Congresswoman Norma Torres visited and toured the InTech Center in October 2017. Other officials who have toured InTech include Supervisor Robert Lovingood, Congressman Pete Aguilar and State Senators Connie Leyva and Scott Wilk.



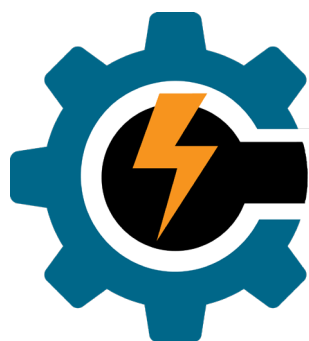
Senator Diane Feinstein's rep visited MiraCosta College's Technology Career Institute (TCI) this past quarter, in addition to the San Diego County Board of Supervisors (Supervisor Kristin Gaspar). Also, three events for Manufacturing Day were hosted at the TCI.

New welding and automotive shops opened in February 2017 at Victor Valley College, allowing them to double the number of students they are able to serve in those programs.



In the summer of 2017, College of the Desert's Energy Training Program was selected as the recipient of GRID Alternative Inland Empire's Sunshine Award for Workforce Development. The Sunshine Award honors organizations, businesses, associations, and individuals who are expanding access to green and clean energy careers and leadership opportunities in our Inland communities. COD's Solar Energy Training Program was honored for having trained hundreds of local residents in solar energy installation, giving them the knowledge and resources to be successful in the fast-growing solar industry.

The COD BESP program also received a Certificate of Recognition from the California Legislature Assembly, presented by Assemblymember Eduardo Garcia, for promoting sustainable workforce development in the Coachella Valley.



SUSTAINABILITY OF THE INTECH CENTER

Over the next five years, there is an anticipated 40% loss of skilled craft workers in the Inland Empire manufacturing sector, due to employee retirements and a widening skills and experience gap. Specifically, there is a need for industrial electrical and industrial mechanical technicians and conventional machinists. The Industrial Technical Learning Center's (InTech Center) primary goal is to ensure that a steady stream of manufacturing craft workers are well-trained to fulfill the immediate and future needs of manufacturing employers. Other industries experiencing growth in the region, and which the InTech Center is expecting to accommodate through training programs are: logistics and distribution, utilities/energy, and construction.

Several characteristics make the InTech Center unique. The building is owned by a manufacturer, but is operated by a college. It serves all populations at all levels, meaning funding is not restricted to just low-income participants, youth, etc. It assists incumbent workers, new entrants into the workplace, and those with no skills or intermediate skills, so training is delivered at all levels of the career spectrum and leads to nationally-recognized industry certifications. The InTech

Center's training is scheduled in a flexible variety of modalities so that the greatest number of students can find a pathway that suits their availability; pathways also feature multiple "on-ramps" and "off-ramps" to best accommodate students and set them up for success. In addition, the InTech Center staff regularly convenes with workforce and industry partners to ensure the curriculum is aligned with industry needs. They are known for closely listening to and quickly implementing what employer partners require for their training or hiring needs.

As a result of TAACCCT, which provided the funds necessary to build a regional facility and create programs that are responsive to industry needs, the InTech Center has become 100% self-sustaining and has leveraged other funding sources to be maintained for years to come. The InTech Center receives funding sources at the federal, state and county levels, as well as from philanthropic foundations. Through these additional sources, InTech has been able to implement several programs and services, placing it at the forefront of rapid educational response to multiple industries.

PAID INTERNSHIPS

The InTech Center received a grant from the James Irvine Foundation to place NCCER-trained interns with employers at no cost to them. InTech covers payroll and worker's compensation through their partnership with the Foundation for California Community Colleges (FCCC); \$15/hour paid internships for up to 400 hours for 60 interns (no more than 29 hours in one week); and offers training to individuals in Industrial Electrical, Industrial Mechanical and HVAC programs.

APPRENTICESHIPS

The InTech Center and an Inland Desert Employer Committee was recently approved by the California Division for Apprenticeship Standards (DAS) to provide apprenticeships in Industrial Maintenance Electrician and Industrial Maintenance Mechanic positions. This apprenticeship program is revolutionary to DAS, as it allows employers to determine when an apprentice has performed well enough to move to their next wage advancement - instead of it being determined by number of hours worked.

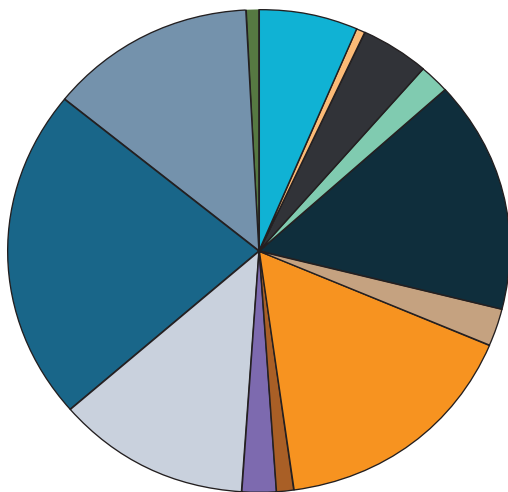
JOB PLACEMENT

Individuals who have successfully completed InTech training programs make excellent candidates for entry-level positions. Trainees have received hands-on instruction in a variety of topics, including HVAC, Industrial Maintenance, Industrial Electrical, AutoCAD, SOLIDWORKS, Construction and, coming soon, Conventional Machining. InTech's Career Center team works with trainees to develop their resumes, and job match the candidates with employers who match their culture to maximize success.

EMPLOYEE TRAINING

Chaffey College Workforce Training Institute (CCWTI) delivers low or no cost training to qualified organizations through the California Employment Training Panel (ETP) that creates greater operational efficiencies, enhanced productivity and increased organizational performance. With CCWTI staff at InTech, they help to deliver customized training programs to align with an employer's needs and goals, handling the administrative processes, including applications, contracts, trainers and ETP monitoring.

INTECH CENTER FUNDING SOURCES 2017-18



| | |
|---|--|
|  | America's Promise: \$400,000 Time Period: 1/1/2017 - 12/21/2020 |
|  | Arconic Foundation: \$20,000 Time Period: 8/1/2017 - 6/30/2018 |
|  | Contract Education: \$256,778 Time Period: 7/1/2017 - 6/30/2018 |
|  | EDD: \$128,562 Time Period: 8/25/2017 - 6/30/2018 |
|  | ETP: \$949,434 Time Period: 7/1/2017 - 6/30/2019 |
|  | GIA Award: \$150,000 Time Period: 10/1/2017 - 9/30/2019 |
|  | James Irvine Foundation: \$1,000,000 Time Period: 2/7/2017 - 1/6/2019 |
|  | JPMorgan Chase: \$75,000 Time Period: 10/1/2016 - 12/31/2017 |
|  | San Bernardino County WDD: \$125,000 Time Period: 8/25/2017 - 6/30/2018 |
|  | Strong Workforce: \$767,143 Time Period: 2/1/2017 - 12/31/2018 |
|  | TAACCCT: \$1,367,349 Time Period: 7/1/2017 - 9/30/2018 |
|  | Vocational Education: \$800,000 Time Period: 7/1/2017 - 6/30/2018 |
|  | Wells Fargo: \$25,000 Time Period: TBD |

TOTAL: \$6,064,266



ERICK MARTINEZ

B1 Electrical Maintenance California Steel Industries



Erick Martinez was working at the County of Riverside CalWORKs office as an Eligibility Technician in early 2016, when he was unexpectedly laid off from his position. They directed him to the unemployment office where he saw an InTech Center flyer promoting the new Industrial Electrical, Industrial Mechanical and HVAC training programs. Erick had always been someone who enjoyed tinkering with and fixing things. When he saw the flyer, he knew it was a sign of the next step to a new career.

Erick enrolled in the InTech Electrical Boot Camp, as well as the HVAC program, where he developed a love for the craft. As he learned more about the industrial maintenance topics that were needed in manufacturing, he knew he had chosen the right path. Due to the training he received at the InTech Center, Erick applied for the California Steel Industries (CSI) internship that was to begin in June 2017. While he was not initially accepted into the CSI internship program, CSI partnered with InTech, who had recently begun their own internship program, to give Erick a trial run to see how he performed.

Immediately, Erick's hard work and positive attitude was evident. Upon completion of the internship hours, CSI was so impressed with him that they offered him a full-time position as a B1 Electrical Maintenance Technician on August 30, 2017. Since then, Erick has continued to flourish at CSI. He is scheduled to begin the next level of CSI's apprenticeship program next year.

"I DIDN'T GROW UP WITH THE SKILLS I'VE LEARNED IN THE PAST TWO YEARS AT THE INTech CENTER AND CSI. THERE'S TREMENDOUS VALUE AT THE END OF [TRAINING]. YOU'RE INVESTING, YOU'RE SACRIFICING, BUT IT'S ALL WORTH IT... WHEN I MEET SOME OF MY CO-WORKERS, THEY SAY THEY'VE BEEN THERE FOR 15 YEARS, 20 YEARS, 30 YEARS - THAT LONGEVITY IS COMFORTING, AND IT'S SOMETHING I STRIVE FOR."

Photos Courtesy of Chaffey/JHill



Erick speaking with Senator Kamala Harris in August 2017 when she toured the InTech Center.

KRIS FAHRING

Maintenance Mechanic Burlington Stores

Kris Fahring is a veteran, who after being honorably discharged from the Navy, enrolled in IT classes at ITT Tech. After graduating, he got a job at a data center, where he worked for a few years until he was laid off in December 2016. Kris began looking for job, but soon realized his skillset was outdated, which made it difficult to get hired. He was referred to the InTech Center, and was enrolled into the full-time Industrial Electrical & Mechanical training program in January 2017.

While a trainee in the program, Kris struggled with mathematics. However, due to the InTech Center offering tutoring services, he was able to master the concepts and pass the module tests of his program. In May 2017, Kris applied for the California Steel Industries (CSI) Industrial Electrical internship. He completed his Industrial Electrical & Mechanical program in June, before being offered the CSI internship. During the internship, Kris was able to better grasp and understand the electrical concepts associated with the job. He not only received on-the-job training, but engaged in CSI's apprenticeship training, which included two additional days of classroom instruction.

When the CSI internship ended in August, Kris began applying for other positions. He was offered a Maintenance Mechanic position at Spray-Tech in Rialto. He also received a job offer from Burlington Stores. Kris is grateful for the opportunity he received of hands-on training through the InTech Center, which led to a new career. Kris has spoken at several veteran events, encouraging displaced veterans to find a new career with the assistance and training that the InTech Center offers.



“STARTING AT THE SCHOOL, IT ENABLED ME TO GET COMFORTABLE WITH THE MATERIAL THAT I WOULD BE USING AND EXPERIENCING IN THE FIELD. THE HANDS-ON ASPECT IS PRICELESS...I HAVE A MUCH BETTER FUTURE NOW BECAUSE OF THE INTECH CENTER.”

TAACCCT IMPACT

All results are as of September 30, 2017

The TAACCCT grant was awarded to the Inland Empire Regional Training Consortium (IERTC) in September 2014. Over the past three years, the grant monies have touched thousands of individuals who were looking to increase their skillset and move into sustainable, lifetime careers. The numbers in this impact report highlight not only the growth in students/trainees, but the colleges too. Each number is representative to the time, commitment and dedication it requires to get successful programs up and running.












Economic Impact

In 2014, the Inland Empire Center of Excellence (COE) examined the median annual salary of individuals in San Bernardino and Riverside counties employed in advanced manufacturing occupations. Across TAACCCT's five focus areas, the 2014 median annual income was approximately \$39,031[1]. In contrast, the 2014 median annual salary of generally skilled laborers in the same

two-county region was approximately \$27,000.

Applying a conservative 2% cost-of-living adjustment to the annual salaries of generally skilled laborers and individuals employed in the five TAACCCT focus areas, over the span of an average work life (25 years), it is projected that prospective TAACCCT-trained employees stand to earn approximately \$393,096 more than their generally skilled laborer counterparts. Over the four-year TAACCCT project period, it is estimated that 2,589 workers and other adults will be served. Applying conservative employment projections to this population (2.7% annual job growth in advanced manufacturing occupations through industry growth and/or replacement over the next ten years; TAACCCT-trained employees remaining employed for 20 years), the long-term economic impact of the TAACCCT grant on the Inland Empire would minimally equate to approximately \$168 million (\$8.4 million annually).

Total Students Served by college

| | | | |
|---|---------|---|-------|
|  | 4 4 0 |  | 5 8 5 |
|  | 1 8 3 |  | 4 9 0 |
|  | 1 2 3 6 |  | 2 7 7 |
|  | 4 4 8 |  | 2 7 2 |
|  | 3 2 |  | 4 2 0 |
| | |  | 4 4 9 |

REPORT 2015-17

Inland Empire Regional Training Consortium Total Numbers

4832

Students Served

2015: 341
2016: 1697
2017: 2794

1988

Program Completers

2015: 101
2016: 799
2017: 1088

1130

Incumbent Workers

2015: 66
2016: 506
2017: 558

2566

Certificates Received

2015: 136
2016: 795
2017: 1635

734

Placements

2015: 17
2016: 306
2017: 411

*Does not include
incumbent workers*

173

Wage Increases

2015: 9
2016: 69
2017: 95

The TAACCCT grant ends in September 2018. As we enter this last year, we hope to make a lasting economic impact on the region that will last decades.



evolution
FRESH™

Established over 30 years ago, Evolution Fresh prides itself on providing authentic juices with no heat pasteurization. They cold-press their juice, which keeps fruits and vegetables chilled from the moment they enter their facility to when a client takes a sip. As a result of their methods, Evolution Fresh was acquired by Starbucks in 2011 as an investment in making wellness more accessible to all.

In 2013, Evolution Fresh opened the largest facility (called a juicery) of its kind in Rancho Cucamonga, which enabled Starbucks to provide Evolution Fresh juices to the entire United States. Rancho Cucamonga was the chosen location so that Evolution Fresh could stay close to their produce - most of which is grown in southern California - to supply fresh fruits and vegetables all year long. As a result, 82% of their produce is grown within 400 miles of their facilities, and all of their juices are Non-GMO Project verified, with the exception of their Protein Power Smoothie.

Photos courtesy of Evolution Fresh

Evolution Fresh is more than committed to providing the best juice they can - they are also dedicated to their employees. In addition to recruiting from the InTech Center to find the best candidates available for open positions, Evolution Fresh also encourages their workers to upskill and improve their abilities to move up in their careers. They consistently send their employees to participate in the InTech Center's training programs; through the knowledge they receive, those employees soon get higher wages or are promoted within the company.

Through their partnership with Chaffey College and the InTech Center, Evolution Fresh has leveraged TAACCCT training dollars to bolster their productivity in their facilities. As a result, they can increase production and improve their bottom line.

**11655 Jersey Blvd,
Rancho Cucamonga, CA 91730
www.evolutionfresh.com**



Gerdau Steel Mill marking its 60th year in business by breaking ground on an environmental upgrade to its full-production steel mill in Rancho Cucamonga earlier this year. Photo courtesy of The Fabricator.



Gerdau's core business is to transform steel scrap and iron ore into steel products. Gerdau is a leading producer of long steel in North and South America and is one of the largest suppliers of special steel in the world. They produce long carbon steel, long special steel, flat steel, and forged and cast parts. These products are used in different sectors, such as industry, metallurgy, farming and livestock, civil construction, automotive industries, petrochemicals, railway and naval sectors, in addition to orthodontic, medical and food areas.

As a company that has been in business for over 100 years, Gerdau is committed to sustainable development in the regions where it operates. A large recycler, Gerdau transforms, each year, millions of metric tons of scrap into steel. They have several locations throughout North and South America, and employ thousands of people.

Gerdau purchased their Rancho Cucamonga steel

facility in 2010 to meet California's demand for rebar (one of the highest in the nation). By producing steel in California, they sustain thousands of jobs and reduce the region's carbon footprint by sourcing recyclable materials to produce and deliver rebar to projects in or near California. These materials will help to build new bridges, roads and buildings.

Gerdau's mission is to create value for their customers, shareholders, employees and communities by operating as a sustainable steel business. Their Rancho Cucamonga facility's Human Resources department has partnered with the InTech Learning Center to find individuals who have been trained in industrial maintenance skills and topics that help them excel on the job. Since the InTech Center opened in 2016, Gerdau has selected 5 individuals who have graduated from the training programs. The partnership is one reason why a regional training center works - Gerdau is able to fill their entry-level positions, and through the training provided by the InTech Center, candidates find full-time jobs that lead to new careers.

**12459 Arrow Route,
Rancho Cucamonga, CA 91739
www.gerdau.com**



Courtesy of California Steel Industries



Courtesy of Congresswoman Torres' Office



Courtesy of Chaffey



Courtesy of Chaffey

Clockwise from top: California Steel Industries entrance sign; CSI Vice President Brett Guge speaks to Senator Kamala Harris on her visit to the InTech Center in August 2017; HR Recruiter Rick Pettit assists high school students on a welding simulator during Manufacturing Day in October 2017; several CSI and Chaffey representatives meet with U.S. Department of Labor Secretary Alexander Acosta and Congresswoman Norma Torres.

California Steel Industries (CSI), located in Fontana, CA, is the only West Coast steel supplier that manufactures five different product lines: hot rolled, pickled and oiled, galvanized and cold rolled sheet, and electric resistance welded pipe. CSI's customers manufacture a broad range of end-use products. Their steel is used in construction materials for the home and commercial building industries, such as steel framing studs, roofing, decking and metal lath. Other uses include water, gas and oil pipelines, automotive pans, tubing used in the construction and furniture industries, and heating and cooling parts.

CSI is committed to reaching high levels of productivity and quality. Since CSI began operations in 1984, almost \$900 million has been invested in their facilities to maintain, modernize and add operations. They employ nearly 1000 workers and are dedicated to supporting and increasing the knowledge of each employee to become more efficient and productive.

CSI's partnership with community colleges in the Inland Empire has truly shown the value of regional collaboration between industry and education. They have been a "champion" employer who has been critical

to the success of the IERTC and the InTech Learning Center. In addition to allowing community colleges to recruit instructors from the CSI employee pool as subject matter experts, CSI also used \$1.9 million of its own investment to renovate the InTech Center building and leases it to Chaffey College for only \$1 per year.

In return, CSI utilizes IERTC training dollars from the TAACCCT grant and Employment Training Panel (ETP) funding to develop apprenticeship programs for Industrial Electrical and Industrial Mechanical craft that can move a worker to a journey-level position within two to two and a half years, which is greatly accelerated and virtually unheard of in the industry.

"The InTech Center partnership has helped us develop our incumbent workers to help fill CSI's high skill positions and has assisted us with finding qualified applicants to fill our entry-level positions."

Rod Hoover, Human Resources Manager



14000 San Bernardino Ave.
Fontana, CA 92335
www.californiasteel.com

Thank you!

Thank you to our employers, county and state partners, funders, politicians, educators, trainers and other dignitaries who have helped to make the TAACCCT grant a success. Because of you, we have been able to provide more highly skilled/highly technical workers to the region, improving our economic impact.

Companies

1st Choice Staffing
3M
Aavco
Advantage Resource
Affordable Plastics & Packaging Inc
Airgas USA
Amazon
Amcors Rigid Plastics Usa Llc
Analytik
Anderson Trailer
AOS Electrical
Ardent Mills
Arrow Staffing
Artistree, Inc.
Athens Services
Barret Business Services, Inc. (BBSi)
Berg Electric
Bericap
Boudreau Pipeline
Brenner-Fielder
Brithinee Electric
Burlington Stores
C & H
C&W Services
C. Stoneham
CalPortland Cement
CalCIMA
California Steel Industries, Inc.
California Tool & Welding Supply
Cemex, Inc.
Chino Valley Unified School District
Church & Dwight
Closetmaid Corporation
CNC Industries
Coast Appliance
Combustion Associates, Inc.
Communications Test Design Inc
Consolidated Solutions
Cott Beverages
Coveris Flexibles (Ontario) Us Inc
Crown Toyota
CW Services
D&W Fine Pack
Damco Distributuion Services Inc
Decra Roofing
Del Real Foods
Devoll Rubber Manufacturing

Group, Inc.
Domino's
Door Components Inc
DPI Specialty Foods West Inc.
DSV Solutions
Evolution Fresh Manufacturing (Starbucks)
Excel Logistics
Fabtech Engineering
Fed Ex
Fender
Foddrill Construction Corporation
Four Step Automation
Frito Lay/Pepsi Co.
General Atomics
Gerard Daniel Worldwide
Gerdau
Girard's Fine Foods Inc
Grand's Electric
H & A Transmissions Inc.
Haliburton International Corporation
Hatch Doors
Hayden Products Llc
HME
Horizon Solar Power
Hussmann
Ideal Heating & Cooling
IEHP
Infinity Plumbing
Ingram Micro
Inland Envelope
Innovative Structural Engineering
Integar
Intelligated Distribution
Iron Workers Union
James Hardie
Jasper Technology MFG
JBS
JF MFG
Kern Engineering
Kimco
KMC
Laguna Clay Co.
Leggett & Platt Inc.
Lineage Logistics
M&O
Magnolia Convalescent Hospital
Marine Corps Logistics Base

Matrix Beyond
McLane Company
MCP Services Llc
Metal Coaters
Metropolitan Water District
Metz Air Control
Mindrum Precision
Mission Foods
Mitsubishi Cement Corporation
ML Filters
National Training Center-Fort Irwin
Neovia Logistics
Nestle Waters North America, Inc.
NFI Industries
Northrup Grumman
Northwestern Pallet
NRI
Ontario Refrigeration
Pacific Co
Pacific Gas & Electric
Patterson Machining
Patton
Pro Active Staffing
QVC
Reliable Source Inc.
reRubber
Rio Tinto
Rockwell Collins
Romano's
Scheu Steel
Searing Industries, Inc.
SigmaNet
Solar Max Lighting
Soofer Company Inc
Specialize Heating & Air-Conditioning
Specialty Minerals, Inc.
Spray Enclosure Technologies
Sterigenics
Superior Mechanical Heating & Air-Conditioning
Target Distribution
TDI Refrigeration
Teamsters Union Local 166
Telefunken Batteries
Terracina Apts.
The Gill Group
Total Resources International, Inc.
TST

Tube Bending Specialties
Under Armour
UPS
US Borax, Inc.
Ventura Foods, Llc
ViaSat
Victor Valley Personnel
Vista Metals Corp.
Walgreens
Wallner Expac
Walmart
Washington Steel
Water Districts
Western Fabricators
Worthington Industries

Community Partners

Public Workforce System Partners

CA Workforce Services Division
Economic
Development Department
Riverside County Workforce
Development Board
San Bernardino County Workforce
Development Board

Other Partners

Manufacturers' Council of the
Inland Empire (MCIE)
High Desert Manufacturers'
Advisory Council
Alliance for Education
Baldy View ROP
California Manufacturers and
Technology Association
CAP Program
Career Leaders Project
Colton-Redlands-Yucaipa ROP
Employment Training Panel
Foundation for California
Community Colleges
Goodwill Foundation
Inland Empire Economic
Partnership (IEEP)
Riverside County ROP
San Bernardino County ROP
San Bernardino County
Superintendent of Schools

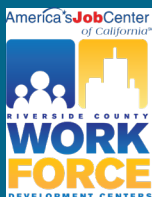
INTECH

INDUSTRIAL TECHNICAL LEARNING CENTER

MISSION STATEMENT

The InTech Center works systematically with collaborative partners and companies to strengthen the organization's effectiveness, competitiveness, and profitability through training and services that contribute to continuous regional workforce and economic improvements.

The InTech Center inspires hope and success by improving lives and our community in a dynamic, supportive and engaging environment of educational and training excellence where our diverse students receive technical/vocational training and nationally-recognized stackable certifications that leads to self-sufficiency, higher wages, and career/educational advancement(s).



This project received funding from a grant awarded under the TAACCCT program as implemented by the U.S. Department of Labor. This project is an equal opportunity employer/program with auxiliary aids and services that are available upon request to individuals with disabilities.

“This workforce solution was funded by a grant awarded by the U.S. Department of Labor’s Employment and Training Administration. The solution was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites and including, but not limited to, accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability, or ownership.”

Support services for students with disabilities are provided through Chaffey College Disability Programs and Services. Anyone needing information about services for students with disabilities should contact the Disability Programs and Services, at 909/652-6393 or TDD/TTY 909/466-2829, email dps.staff@chaffey.edu. The toll free numbers for the California Relay Service are 1-800-735-2929 or 1-877-735-2929 for TDD/TTY users.



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