

## NORCO COLLEGE

### Accelerated, Certificate, and Employment (ACE) Program

Norco College is a recipient of the U.S. Department of Labor's Trade Adjustment Assistance Community College and Career Training (TAACCCT) grant to develop and implement an advanced manufacturing career pathway. The Accelerated, Certificate, and Employment (ACE) Program is a response to workforce needs of Inland Southern California. The program consists of certificates in Business Information Worker, Conventional Machine Operator, and Industrial Automation. ACE students receive services such as workshops on academic and personal support topics, tutoring, industry tours, case management, coordination with resources on and off-campus, and placement upon graduation.

ACE accelerated CTE programs' full-time schedule, Monday through Friday 8 am to 5 pm, provide students the ability to complete in less than seven months.

Due to ACE's success, particularly with low-income and unemployed students, Norco College received \$50,000 from the Golden State Environmental Justice Alliance. These funds cover the cost of tuition, as well as fees, transportation, student support services, supplies, instructional equipment and any other training-related needs for low-income students.

As the ACE program has gained traction in the region with high school students and teachers, the College has seen an improvement in attendance at ACE events and increased interest in the College and the advanced manufacturing career pathway.

Serving over 275 students since 2015, the program has a 90% placement ratio, made a difference in the local economy and impacted hundreds of lives.

## RIVERSIDE CITY COLLEGE

Riverside City College received \$6,632,881, 44% of the \$15 million grant the Inland Empire Regional Training Consortium was awarded under the TAACCCT program.

RCC developed two new degree and certificate programs: Information Security & Cyber Defense and Quality Assurance designed to blend e-learning and hands-on learning, using physical training and virtual practical exercises on laboratory computers. The credit, noncredit and not-for-credit programs lead to industry recognized certifications and hands-on experience as a result of timely and relevant industry driven career pathways

According to the Council Occupational Education – Inland Empire Desert Region, "In 2016 there were nearly 6,800 information security and cyber defense occupational group jobs in the region. Across the local region, employment related to the information and cyber defense occupational group is expected to increase 11% through 2021. Employers in the region will need to hire more than 3,000 workers over the next five years to fill new jobs and to backfill jobs that workers are leaving."

In 2016, the grant served 167 students; 106 complete a program of study, 90 earned a degree or certificate, 68% were minority students, while 7% were veterans. Additionally, the median age is 31, which illustrates the economic opportunity through education advancement. In addition to the developing curriculum and launching two programs, staff focused on outreach and hosted 11 events reaching 2,315 students from 25 local high schools, launched a social media campaign and introduced the first summer cyber camp.



The National Science Foundation grants provide students with personal and professional experiences conducting undergraduate research and hands-on-training, thus preparing them for transfer and graduate-level research or progress into the local workforce.

## MORENO VALLEY COLLEGE

### Flying with the Swallows

Moreno Valley College was awarded a three-year grant to study cliff-dwelling swallows, which make the College home each spring. The Flying with the Swallows (FWS) project integrates research into biology and chemistry courses with a common research theme. The project studies various aspects of the swallows' life within the suburban area, with an emphasis on pollutants in the food chain and any health hazards these birds may pose to humans when located close to neighborhoods.

Six MVC students presented the findings on FWS research in 2016 at the annual Community College Undergraduate Research Initiative at Anoka-Ramsey Community College in Minneapolis, MN. FWS research was also recently selected from more than 4,000 submissions to be presented at the National Conferences on Undergraduate Research (NCUR) at the University of Central Oklahoma in April 2018. The NCUR is dedicated to promoting undergraduate research, scholarship, and creative activity in several fields of study.



## NORCO COLLEGE

### National Center for Supply Chain Automation

Norco College has hosted the National Center for Supply Chain Automation since August of 2011, one of only 40 national centers in the United States.

In its first five years of operation, the Center:

- Established a strong, committed industry leadership team with membership that includes Target, FedEx Ground, UPS, Cardinal Health, Toyota and others
- Conducted a national survey of supply chain employers to identify needs
- Developed a model program of study for the occupation of supply chain technician
- Produced a variety of instructional support materials for the model program, including career awareness lesson plans, course outlines, videos, white papers and an electronic e-textbook titled *Introduction to the Automated Warehouse*, which was published on the Apple iBookstore in July 2015
- Acquired educational collaborators (who have adopted program content) in ten states

The recent award for \$3,999,495 funds the Center from October 1, 2016 until September 30, 2021, and supports continued work in 19 states with the greatest concentration of supply chain activity. It also allows the College to host an annual Symposium for Supply Chain Automation starting in 2018, establish a nationally-recognized industry certification for the occupation, disseminate information and product deliverables to our various audiences, and increase the number of individuals from underrepresented populations entering into the field of supply chain automation.



## RIVERSIDE COMMUNITY COLLEGE DISTRICT

# FEDERAL GRANTS

Thousands of students in the Riverside Community College District benefit with enhanced programming and educational opportunities from federal education grants.

RCCD is in the TOP TIER of institutions receiving Department of Education grants. In the last 17 years, RCCD has earned:

17  
Title III and  
Title V  
awards

12  
TRIO  
program  
awards

4  
National  
Science  
Foundation  
grants

“

*The ACE program is great. We covered everything from automation, 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.”*



Michael Carlos  
Industrial Automation Program Graduate  
Maintenance Multi-Skilled Technician  
Walmart Fulfillment Center

# Hispanic-Serving Institution Grants

Each of the three colleges in the Riverside Community College District are Hispanic-Serving Institutions (HSI). HSI grants provide for enhanced programs and benefits to advance the educational success and experiences in meaningful ways.

## TITLE III

### MORENO VALLEY COLLEGE *Advancing STEM through CTE*

Advancing STEM through CTE, offers students interactive, real-time, experiential learning realms in allied health, information systems, simulation/gaming, and multi-media programs. The program increases certificate and transfer pathways, access, capacity, and employment retention while supporting students in their educational journey, ultimately leading to good-paying careers. MVC has a full-time counselor to develop a model and create a framework for the STEM Innovation Center/ Makerspace.

### NORCO COLLEGE *Strengthening Transfer in Engineering & Matriculation: STEM<sup>2</sup> Pathways*

Strengthening Transfer in Engineering & Matriculation: STEM<sup>2</sup> Pathways program is designed to strengthen Engineering pathways and increase enrollment in STEM degree programs for underrepresented populations including Hispanic and low-income students. Since 2016, the program piloted academic services with a full staff. The project has enhanced the institution's capacity to provide impactful services to over 100 STEM students pursuing Engineering pathways and highly competitive STEM majors. In spring 2017, three engineering students attended the Hispanic Association of Colleges & Universities (HACU) conference in Washington, DC. This experience was invaluable for the Engineering students and STEM scholars. To promote research opportunities and career exposure to Engineering students, the project launched a STEM Guest Lecturer series.



## TITLE V

### MORENO VALLEY COLLEGE *Answering the Call: Expanding Access to Public Safety Programs*

Partnering with the Riverside County Sheriff's Office (RSO), MVC trains and prepares corrections officers with the creation of scenario-based training at the Ben Clark Public Safety Training Center (BCTC). During the first two years of the grant, MVC, in coordination with RSO, updated the Correctional Academy curriculum, revised the Pre-Law Academy curriculum and is currently developing certificate and associate degree programs with emphasis on Corrections. A key component of the grant is construction of a correctional scenario training platform which provides a safe and realistic training environment for law enforcement and corrections training. This project will be constructed in 2018.



### NORCO COLLEGE *Accelerated Pathways to Graduation and Transfer*

Accelerated Pathways to Graduation and Transfer project improves the success among non-traditional, Hispanic and low-income students by addressing goal-setting, remediation pathways, academic support and resources. In year three of the five-year grant, the project funding has increased and improved support to students through the Learning Resource Center (LRC). The program has increased Center hours, enhanced the Supplemental Instruction program, created a tutor training program, and increased faculty involvement.

### NORCO COLLEGE *Here to Career: Improving Student Success in Digital Media Disciplines*

The five-year grant titled, Here to Career: Improving Student Success in Digital Media Disciplines, brought CSU San Bernardino, Norco College and San Bernardino Valley College together to promote transfer readiness in the growing field of digital media. The program objective is to boost digital media education – including gaming, app development, video production, graphic design and digital music composition. In fall 2017, 23 students were selected to participate in the CSUSB mentoring program, and in winter 2018, four faculty were identified to participate in the Project Based Learning Institute.

# TRIO Programs

## EDUCATIONAL TALENT SEARCH

### MORENO VALLEY COLLEGE

In 2016, MVC was awarded a \$1.2 million Educational Talent Search grant to serve 500 low-income and potentially first-generation college students from three middle schools (Landmark, Badger Springs, and Mountain View) and two high schools (Vista del Lago and Valley View). The program provides academic guidance, instructional support, college preparation and exposure, financial aid/financial literacy, career exploration, and exposure to cultural experiences. In the program's first year, it hosted a two-week summer program, a UC College Information Night, and field experiences at several local colleges. The first cohort of the ETS program will graduate in June 2018; 69% of the participants are from low-income, first-generation backgrounds and 100% persisted to the next grade level.



## STUDENT SUPPORT SERVICES (SSS)

### MORENO VALLEY COLLEGE

The mission of the Academic Counseling and Educational Support (ACES) program at MVC is to promote retention of low-income, first-generation and students with disabilities through tutoring, mentoring, skill development, and other services to empower them to graduate. In 2016-17, ACES (SSS) was funded to serve 144 students, 78% are from low-income, first-generation backgrounds, 92% persisted to the next grade level, 91.2% were in good academic standing, and 16% of the reported cohort earned an associate degree or certificate.

- ACES scholars earned associate degrees and transferred to such schools as UC Riverside, UC Santa Barbara, CSU San Bernardino, Arizona State University, Chico State University, and Cal Poly Pomona.
- ACES scholars have experienced trips to UC Riverside, UC San Diego, University of Southern California, the California Science Center, UC Irvine's STEM Innovation Conference, and the Lion King.

## STUDENT SUPPORT SERVICES (SSS)

### NORCO COLLEGE

The two Norco College Student Support Services (SSS) grants are designed to assist low-income, first-generation community college students with improving the probability of their successful transfer or completion of a degree or certificate program, increase college retention and graduation rates by providing opportunities for academic skill development, and assist students in completing college requirements.

These grants served 260 students in 2016-17; the SSS-RISE serves 100 students with disabilities while the SSS program serves 160 students annually.

### RIVERSIDE CITY COLLEGE

Riverside City College has been awarded three SSS grants, one to serve students with disabilities, the second to serve Veteran students, and the third to assist non-traditional students. These grants support the current SSS program. The primary focus of the SSS programs is to provide guidance to first-time college students and works towards reducing the number of obstacles that prevent these college students from succeeding beyond their first semester. RCC's SSS project model provides intensive and intrusive academic advisement to project participants during the entirety of the program.

#### SSS Disability

- Total Served: 117 Participants
- Persistence: 80%
- Good Academic Standing: 85%

#### SSS Veterans

- Total Served: 136 Participants
- Persistence: 62%
- Good Academic Standing: 82%

#### SSS Regular

- Total Served: 145 Participants
- Persistence: 92%
- Good Academic Standing: 89%
- Associate Degree or Certificate: 40%
- Associate Degree or Certificate and transfer to a four-year college or university: 35%



## UPWARD BOUND PROGRAM

### MORENO VALLEY COLLEGE *Upward Bound Pre-College*

MVC was awarded a five-year grant for \$1.2875 million to serve students from Valley View High School. The program began in 2017 and is serving 60 students. Participants are exposed to events and activities including a senior boot camp, winter wonderland ultimate jam session and study break, We are Family monthly engagement series, NHRA Youth Education Day, and the Unity Conference.

### MORENO VALLEY COLLEGE *Upward Bound Math and Science*

In 2017, MVC was awarded a grant for \$1.315 million to serve students from Vista del Lago High School. During 2016-17, the Upward Bound Math and Science (UBMS) program served 76 students, including a cohort of rising ninth graders during the UBMS Summer STEM Academy. Every participant persisted to the next grade level; 82% were from low-income, first-generation backgrounds; and 65% earned a GPA of 2.5 or higher. Of the UBMS program's seniors, 100% graduated and enrolled in post-secondary educational programs at MVC, UCLA, UC Berkeley, UC Irvine, UC Riverside, UC Santa Cruz, and CSU San Bernardino. Over 60% of UBMS alumni are majoring in a field related to STEM.

- UBMS scholars have been selected to participate in prestigious research, educational, leadership, or internships, including the Nanotechnology Summer Institute, University of Southern California Wrigley Institute, Apprenticeship Bridge to College program at Loma Linda University, Kaiser Permanente, California State Summer School for Mathematics & Science, and the ASTERISK program.
- Field excursions to local universities, General Atomics, Bourns, Inc., JA Financial Park, UC Irvine Applied Innovation Center, and the California Science Center.
- Participation in STEM Networking Events, including Aerospace Engineering Day, Inland Empire Hispanic Leadership Council Business Summit, and the Science and Technology Education Partnership Conference.

The UBMS program provides for unique experiences leading to advancement in STEM fields and persistence to transfer.

### NORCO COLLEGE

Through the three Norco College Upward Bound programs, low-income, first-generation high school students are provided academic guidance, personal development and fundamental support in preparation for college entrance. Upward Bound increases the rate at which participants complete secondary education and enroll in and graduate from institutions of postsecondary education. The three programs served a total of 203 high school students at Corona, Centennial, and Norte Vista high schools in 2016-17.



### RIVERSIDE CITY COLLEGE

Renewed in 2017, the RCC Upward Bound program expanded services to Patriot High School in addition to Jurupa Valley and Rubidoux high schools. The program provides opportunities for participants to succeed in precollege performance and ultimately in their higher education pursuits. The students targeted for recruitment into the program meet eligibility requirements of low-income and/or first-generation and have an academic need. This past year, 71 students participated in the program; 100% of the seniors earned a high school diploma and completed the UB program; and 94% of these students enrolled in a postsecondary institution in the fall immediately following graduation. The class of 2017 graduates enrolled in Columbia University, CSU San Bernardino, San Diego State, Cal Poly Pomona, UC Berkeley, UC Irvine, UCLA, UC Riverside and RCC. The College's Upward Bound grant was refunded in 2016-17 enabling the program to be introduced at Patriot High School.

