THE SAN DIEGO COMMUNITY COLLEGE DISTRICT CORPORATE COUNCIL

Partnering to Build a Stronger Workforce





City College
Mesa College
Miramar College
Continuing Education

DEAR COLLEAGUES,

I am so proud to share with all of you highlights of the workforce development activities in the San Diego Community College District (SDCCD). Through the more than 80 career education focused program areas and services at San Diego City, Mesa, and Miramar colleges, and Continuing Education, the collective mission has been to deliver high-quality educational services to all the residents of San Diego and to make a higher education affordable and accessible.



Learning, we believe, is a life-long process. By delivering opportunities for learning new skills across various industrial sectors, we are hoping to empower the employees of major corporations and small businesses alike, as well as other individuals who wish to pursue new careers or enhance professional growth in their existing careers.

In this effort, we reach out to you for your support in further developing the SDCCD Corporate Council. The Corporate Council is a special forum that enables the District's leadership to work together with business and industry executives to jointly examine current workforce challenges. Your input is invaluable to the District as we leverage that input to design future course offerings, enhance workforce programs, and develop partnerships that result in cutting-edge curriculum and technology for instructional delivery.

We believe that corporate executives have special insights and perspectives on the skills that people need for self-empowerment, to be gainfully employed, and to grow in their careers. We also believe that sharing of ideas and knowledge is the most effective way to mitigate workforce challenges.

This document offers a glimpse into the myriad ways that SDCCD is ensuring that there is a talent pipeline with essential skills both now and in the future. In this publication, see the high-quality academic programs recognized as Strong Workforce Stars by the California Community Colleges Chancellor's Office for their effectiveness at preparing students for good-paying jobs and boosting their prospects for upward economic mobility. Learn about pathfinding partnerships between industry and our institutions in the fields of shipbuilding, biotechnology, and information technology. Connect with compelling stories of students who are changing the trajectory of their lives and careers through a community college education.

The positive results of bronze, silver, and gold star programs in annual earnings, meaningful living wages, and match between the skills developed and subsequent employment, demonstrate SDCCD's commitment to developing productive partnerships with business and industry, and we will continue to do so. While the SDCCD is a large district with multiple colleges and thousands of students, we strive to ensure that it is permeable and flexible – so that we can strategically and quickly respond to the needs and demands of our local economy.

We recognize the power of collaboration and turn to you for support and input. Without a doubt, the Corporate Council will benefit you and your organization in multiple ways.

Therefore, we offer this document as an invitation, a call, to the business and industry community to work with the SDCCD as we strive to strengthen the workforce and the lives of thousands of students and employees. We are certain that your acceptance of our invitation will enable us to answer that call.

Sincerely.

Stephanie Bulger,

Vice Chancellor, Instructional Services



Nursing Program
San Diego City College



Culinary Arts/Culinary Management in Hospitality Program San Diego Mesa College



Fire Technology Program San Diego Miramar College



Auto Body & Paint Technician Program San Diego Continuing Education

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"We strive to deliver the hope of education and empowerment of new age STEM careers to the children of the San Diego Region, and working with the Corporate Council at the San Diego Community College District has been not only an outstanding experience, but also purposeful and successful. I am glad that we have them as a vital resource for our communities."

Ms. Nhu Tran, Community Relations Manager,
 San Diego Gas & Electric



"By joining the Corporate Council, you will be helping the SDCCD develop strategies for meeting your needs, and also you will be helping us plan our future directions for serving the needs of the region."

—Dr. Constance M. Carroll,

Chancellor, SDCCD

CHANCELLOR'S MESSAGE

Why partnership is so important to our success

The Board of Trustees and I invite you to join the San Diego Community College District's Corporate Council and take advantage of a unique opportunity to benefit from and help guide our organization's future directions of service to the business community, to students, and to the residents of San Diego. During the fiscal year 2017-18, the SDCCD and its students added \$4.4 billion in income to the San Diego County economy, equal to almost 2 percent of the county's total gross regional product.

The San Diego Community College District is one of the largest of California's 73 community college districts. Each year, the District provides credit programs and classes to 60,000 students at City, Mesa, and Miramar colleges. Noncredit and adult education programs are provided to another 40,000 students at the District's Continuing Education campuses throughout the City of San Diego. The District's total enrollment is 100,000.

Much of what the District provides addresses the region's needs for occupational training, upgrading employees' skills, and training both students and existing employees in new fields altogether for the dynamic workforce needs of the twenty-first century. By joining the Corporate Council, you will be helping the SDCCD develop strategies for meeting your needs, and also you will be helping us plan our future directions for serving the needs of the region. Your first-hand knowledge of these complex issues and your support for the SDCCD will be instrumental in enhancing our ability to prepare our students for the challenges ahead.

The Corporate Council offers an opportunity for you to match your own business needs with the professional programs and teams available to provide training for your employees in a wide range of areas. The District can also develop customized courses for your employees onsite. Corporate Council membership allows for interactions with both officials at the SDCCD as well as professionals from other organizations in other industrial sectors, thereby jointly attempting to address both current and future workforce challenges. Members of this Council will be invited to be a resource for the District and further privileges will be extended to members of the Chancellor's Circle. Corporate Council membership facilitates networking and gives you an opportunity to give back to the community in meaningful ways.

The Corporate Council meets several times a year as a forum for discussion. Members of the Council receive ongoing information and have other opportunities to pursue items of interest to them.

Please become a partner in our important work by joining the San Diego Community College District's Corporate Council. We look forward to working with you in our effort to strengthen the connection between our educational programs and your business success.

Sincerely,

Constance M. Carroll, Ph.D.

Chancellor, San Diego Community College District

NO CITY BUILDS A TALENTED WORKFORCE ALONE Joseph Panetta **President + Chief Executive Officer BIOCOM Life Sciences**, **SDCCD Corporate Council Participant**



ABOUT THE CORPORATE COUNCIL

-WHY YOUR INVESTMENT IN THE FUTURE OF SAN DIEGO'S WORKFORCE COUNTS

The SDCCD Corporate Council provides you with opportunities to engage in constructive dialogue with corporate and industry executives, and District leaders, about current and future workforce needs. The council includes members from San Diego's business and industry community. Participation in the council is an opportunity to engage across sectors for enhanced talent development.

"The San Diego Community College District provides the education and training that make a difference in building the skills we need for people who come to work for us. For members of the Corporate Council, you have a seat at the table. They hear directly from us, and that input can be invaluable."

 Ignacio De La Torre, Assistant Vice President of External Affairs, AT&T

We welcome your engagement with the Corporate Council.

Membership includes multiple benefits for your executive team:

Elevated engagement

- Special briefings with the Chancellor and opportunities to support workforce initiatives that directly affect business and industry
- Inclusion in special promotional projects that contribute to the preparation of the future workforce

Enhanced visibility

- Prominent display of your company's name and logo in special District publications and on the District's website
- Priority opportunities for program and event sponsorships

Join the SDCCD Corporate Council. Call or email today.

email: corporatecouncil@sdccd.edu

phone: (619) 388-6644

Skilled talent

- Awareness of a pipeline of prepared individuals with the skills required for your workplace
- Customized training designed to meet your organization's unique needs



CAREER EDUCATION



The SDCCD Corporate Council is kept abreast of the variety of programs and courses offered at San Diego City, Mesa, and Miramar Colleges, and Continuing Education that are aligned with market demand. The following is a partial list of Career Education program areas categorized by industry sector and institution.

Advanced Manufacturing

Building Construction Management	Mesa College
Building Construction Technology	Mesa College
Electricity	City College
Electronics	City College and
	Continuing Education
Machine Technology	City College
Manufacturing Engineering Technology	City College
Upholstery	Continuing Education
Welding	

Advanced Transportation and Logistics

Auto Body	Continuing Education
Automotive	Continuing Education
Automotive Technology	Miramar College
Aviation Maintenance Technology	Miramar College
Aviation Operations	Miramar College
Diesel Technology	
Service Inspection and Advising	

Agriculture, Water, and Environmental Technologies

Sustainability	. Mira	amar College
Sustainable Urban Agriculture	City	College

Business and Entrepreneurship	
Accounting	Mesa and Miramar Colleges, and
	Continuing Education
Business Management	City, Mesa, and
	Miramar Colleges
Cosmetology	City College
Entrepreneurship	City, Mesa, and
	Miramar Colleges
Office Skills	Continuing Education
Project Management	Continuing Education

Real Estate	Mesa and Miramar
	Colleges
Small Business	Mesa College and
	Continuing Education

Education and Human Development

American Sign Language/Interpreting	Mesa College
Child Development	City, Mesa, and
•	Miramar Colleges, and
	Continuing Education

Energy, Construction, and Utilities

Air Conditioning, Refrigeration, and	
Environmental Control Technology	City College
Architecture	. Mesa College
Heating, Ventilation, and Air	
Conditioning (HVAC)	Continuing Education
Metal Fabrication	Continuing Education
Plumbing	Continuing Education

Health

Alcohol and Other Drug Studies	Mesa College City College Mesa College Miramar College
Gerontology	City College
Health Information Technology/Health	
Information Management	•
Healthcare Careers	_
Medical Assisting	Mesa College
Mental Health	City College
Nursing Assistant	Continuing Education
Nursing Education	
Personal Care Assistant	Continuing Education
Personal Training and Yoga	Mesa and Miramar
	Colleges
Phlebotomy	Mesa College
Physical Therapist Assistant	
Radiologic Technology	

Information Communication Technologies and Digital Media

8	
Audio Production and Engineering	
Computer and Information Sciences	. Mesa and Miramar
	Colleges
Computer Business Technology	City, Mesa, and
	Miramar Colleges
Computer Information Systems	City College
Computer Programming	. Miramar College
Cybersecurity	
	Continuing Education
Desktop Operating Systems	City College and
	Continuing Education
Digital Journalism	City College
Front End Web Development	
Geographic Information Systems	. Mesa College
Graphic Design	City College
Graphics	. Miramar College
Interactive Media	Continuing Education
Interior Design	. Mesa College
Multimedia	. Mesa College
Music	City College
Networking Technologies	City College and
	Continuing Education

Photography Radio, Television, and Film Web Development	City College
Life Sciences	
Applied Biology Biotechnology Medical Laboratory Technology	Miramar College
Public Safety	
Administration of Justice	Miramar College
Retail, Hospitality, and Tourism	
Culinary and Bakeshop Academy	Mesa College Mesa College Mesa College Mesa College Continuing Education Continuing Education
Labor Studies	City College

SDCCD Apprenticeship Programs	SDCCD	Apprei	nticeship	Programs
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11 0	
Communications Technician	City College
Custom Cutting Tools	City College
Electrical	City College
Electricity Lineman	City College
Honeywell Tool & Die	City College
Operating and Maintenance Engineers	City College
San Diego City Civil Services	
Equipment Mechanic	Miramar College
San Diego Gas and Electric Company	City College
San Diego Transit Electronic Technician	City College
San Diego Transit General Mechanic	Miramar College
San Diego Trolley Light Rail	
Vehicle Lineman	City College
San Diego Trolley Revenue Maintainer	City College
San Diego Trolley Wayside	
Assistant Lineman	City College
Solar Turbines	City College

Strong Workforce Stars

The California Community College Chancellor's Office highlighted career education programs whose graduates show significant gains in factors important for advancing economic mobility. Strong Workforce Stars were based on three criteria:

- 1. A substantial increase in earnings
- 2. Attainment of a living wage
- 3. Attainment of job closely matched with the field of study

★ Gold: Meets all three criteria
★ Silver: Meets two of the criteria
★ Bronze: Meets one of the criteria

SDCCD Strong Workforce Program Stars

	SDCCD Strong workforce Program	n Stars
•	Diesel Technology	Miramar College
	Electricity Lineman Apprenticeship	
	Physical Therapist Assistant	
	Radiologic Technology	
	Administration of Justice Law Enforcement	wesa conege
	Technology	Miramar College
_	Administrative Assistant	
	Animal Health Technology	
	ASL–English Interpreting	
	Automotive Technology	
	Aviation Maintenance Technology: Power	Will allial College
	Plant	Miramar Callaga
_	Behavioral Science: Social Work	
A	Business Administration	
Α.	Computer Business Technology: Information	Will allial College
	Management	Mosa Collogo
4	Electrical Apprenticeship	
	Fire Protection Technology: Fire Technology	
	Health Information Technology	
	Hotel Management	
	Medical Assisting	
	Medical Laboratory Technology	
	Plumbing: Construction Trades	Will allial College
	Apprenticeship	City Collogo
4	Registered Nurse	
	Accountancy	
	Administration of Justice Correctional	Will allial College
	Technology	Miramar College
4	Administration of Justice	
	Administration of Justice	
	Advance Air Conditioning and Direct	Oity College
	Digital Control Technology	City College
4	Air Conditioning and Heating	
	Aviation Maintenance Technology: Airframe	
4	Aviation Maintenance Technology: Airframe Aviation Maintenance Technology: Airframe	Will allian College
	and Power Plant	Miramar College
+	Aviation Operations: Professional Pilot	
	Business Administration	
	Business Management	
	business warragement	Colleges
+	Business Studies, Real Estate Broker	
	Child Development	
		Miramar Colleges
+	Cisco Certified Network Associate	
	Computer Information Systems	
	Construction Management	
	Culinary Arts/Culinary Management	
4	Dental Assisting: RDA, CDA	Mesa College
	Electronics	
	Fabrication Manufacturing	
	Graphic Design	
4	Heavy Duty Transportation Technology	Miramar College
4	Journalism	Mesa College
	Marketing	
1	Mental Health Work	City College
	Nutrition	
	Paralegal	
1	Project Management Certificate	Continuing Education
	Sheet Metal Apprenticeship	
	Small Business Accounting	
	Sustainable Urban Agriculture	
	Web Design	
	Web Server Maintenance and Security	
	Certificate	Continuing Education

MEET FOUR STUDENTS THAT ARE PREPARING FOR WOR







Javi Moreno Information Communication Technologies + Digital Media, San Diego City College

I am a student at San Diego City College studying graphic design, media production, and special effects makeup. We have industry standard equipment here and everything we learn is hands on. It makes our learning environment so much better. I like San Diego City College because I can explore all the creative paths and I feel like the possibilities are endless.

FROM THE SDCCD TO THE WORKFORCE

Current K-12 Students
Opportunity Youth
Adult Learners
Working Professionals

Through collaboration with business and industry, we are guiding student preparedness and meeting employer needs, supporting vital employee/ employer success.

Meeting Entry-Level Workforce Needs

High School Diploma or GED

Non-Credit Training

Skill Upgrading Foundational Competencies Technical Training

Pursuit of Associate Deg Programs and Cour

Indu

College Certificates

Industry Certifications

Apprenticeship Readiness

Tracy Naputi
Life Sciences + Biotechnology,
San Diego Miramar College





I had gone through a divorce and I was raising five kids on my own. I went back to school for classes in Biotechnology and Analytical Chemistry because I needed to provide them with a better life than what I was giving them. I chose San Diego Miramar College because they provided classes at night. Getting that certificate was a license to go out there and go for what you are passionate about. The second company I interviewed for gave me the job based on the experience that I listed on my résumé from the Biotechnology programs. My children now tell their friends that their mom is a scientist. It's very rewarding.



KFORCE SUCCESS

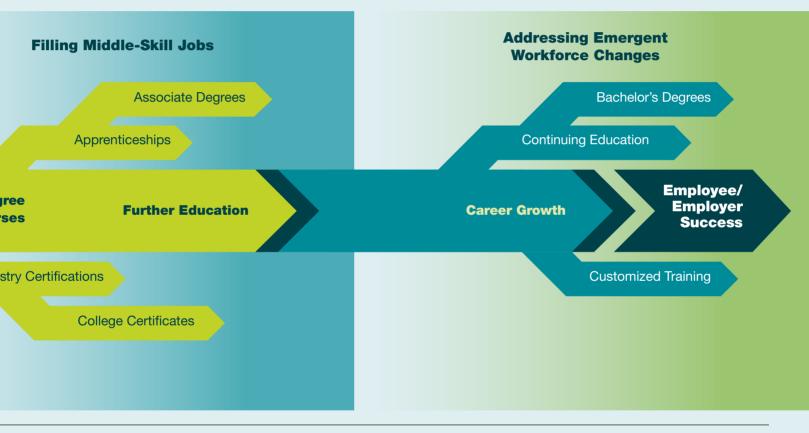
Since fifth grade, I wanted to do fashion design. I like to combine couture techniques and my passion for my textile design. I graduated from San Diego Mesa College in Fashion Design and Computer Fashion Technology. Attending Mesa College opened my eyes to the fashion design industry – I did not know how many different jobs you could enter into that encompass the entire fashion design world…and with all the skills that I learned here at San Diego Mesa College, I would eventually like to have my own brand.



Sondra Winkler
Fashion Design and Computer
Fashion Technology,
San Diego Mesa College







Krupa Karia
Clothing Construction,
San Diego Continuing Education





I moved from India last year and wanted to continue my business here in San Diego. I came to know about SDCE and that they teach sewing and other fashion design classes. I took four semesters in sewing and clothing construction and I want to keep learning more so that I can use those skills for my business and can achieve my aim. Now I am making my own products the way I want them, and I sell them at the farmer's market. I am planning to open an Etsy shop and maybe have my own brand.



WORKING FOR BUSINESS - WHAT, WHERE, AND WHEN YOU NEED IT

The SDCCD has established multiple educational centers across industry verticals working in partnership with local companies and organizations to provide cutting-edge programs for skills training. Here are details on some of them that have yielded remarkable results.





Leading by Example

The San Diego City College and General Atomics Partnership

San Diego City College is partnering with General Atomics to develop a unique new apprenticeship model consisting of three distinct programs: a five year Heating, Ventilation, Air Conditioning, and Refrigeration program, a five year Electricity program, and a four-year computer numeric controlled Mechanic Program.

This apprenticeship partnership goes beyond the standard apprenticeship model to include additional required courses for an Associate of Science Degree, enabling the apprentices to receive a degree at the

completion of the program. Both the employer and the college, together, designed a custom fit for their most pressing needs.

City College and General Atomics worked to align City College courses to General Atomics requirements resulting in a degree program with carefully-selected general education courses that best meet the needs of the organization while enabling the student to complete a degree and an apprenticeship at the same time.

STEM

The Science Technology Engineering and Math Center

San Diego Mesa College is addressing the demand for jobs in science, engineering, and mathematics through a variety of industry connected Science, Technology, Engineering, and Mathematics (STEM) programs and activities that support transfer and completion of STEM degrees. San Diego Mesa College's twelve STEM disciplines include archaeology, astronomy, biology, chemistry, computer information science, engineering, geographic information systems, geology, mathematics, psychology, physical science, and physics.

The following programs and centers are supported by a U.S Department of Education five-year, \$5 million HSI (Hispanic Serving Institution) Title III STEM Grant awarded in 2016 to increase success, retention, and transfer rates in STEM disciplines among Hispanic and low-income students.

STEM Core: The STEM Core program is designed to prepare students for degrees in STEM disciplines, finish mathematics prerequisites within one year, and includes paid summer internships with business and industry.

STEM Innovation Research Lab (IRL): The IRL empowers a diverse student population to reach their academic goals by providing them with a research center that links faculty with student mentees. In the IRL, students develop exciting research ideas and nurture their scientific identity.

STEM Center: This resource center provides students with the support needed to explore, engage, and stay on track with their STEM courses. Services available include drop-in tutoring, STEM Counseling, calculator rentals, laptop/models/materials checkout, study areas with whiteboards, and accessibility six days per week with extended hours.

Programs sun-setting in Fall 2018 include: SEEDS Scholarship Program: The STEM Engagement for the Enrichment of Diverse Students (SEEDS) Scholarship Program is designed to increase the number of Hispanic students pursuing future graduate degrees by providing a firm foundation of advanced knowledge and skills in STEM-related fields.

STEM Scholars: STEM Community Scholars Program is designed to increase the number of students pursuing careers in STEM by providing financial aid, guiding students to support services, establishing connections with the STEM workforce, and fostering a community of STEM scholars.

Together, these dynamic, student-centered, industry-informed programs are working to meet the call for a diverse and talented pipeline for advanced STEM skills.



Mathletics San Diego Mesa College



Biotechnology Program San Diego Miramar College

SCBC

The Southern California Biotechnology Center

The SCBC @ San Diego Miramar College is in the heart of the San Diego region's life sciences industry cluster that has over 500,000 attributable jobs at over 5,000 firms in bio-renewables, biopharmaceutical manufacturing, medical devices and diagnostics, life sciences wholesale, and research and lab services. Two-thirds of the employees at the firms possess an associate degree or less, making the majority of jobs in this industry "middle skills."

Since 2003, the SCBC has been committed to programs to develop a workforce pipeline for this industry cluster. Examples include:

Life Sciences Summer Institute: Hosted annually in partnership with the San Diego Workforce Partnership, provide a boot camp and paid-internships at a research institute (e.g., Salk, Scripps) for 40 high school students.

Biotechnology Credit by Examination enables students in high school to receive college credit.

Supply Chain Experience/Scholarship

Program: Includes laboratory sessions and company visits to Pfizer, Zenobia Therapeutics, and Nanocellect Inc. Participants receive scholarships from the San Diego Miramar College Foundation, made possible thanks to grant support from The San Diego Foundation.

The Amgen Biotechnology Experience (ABE) K-14 Outreach Program: Since 2004, in partnership with the Amgen Foundation and the San Diego Workforce Partnership, this program has reached every school district in San Diego County. The ABE program is part of an international effort of the Amgen Foundation to improve science literacy. To date, over 200 teachers and college faculty have been trained. The SCBC maintains a lending library of equipment and provides free supplies to support over eighty K-14 teachers and professors annually.

ETI

Employee Training Institute

SDCCD's Employee Training Institute was created to provide affordable workforce training, organizational consulting, and fiscal and project management services to different sectors such as biotechnology, health services, manufacturing, hospitality, and government agencies. As the District's leading customized training provider, the Institute helps find the talent gaps, understand where you are today, but more importantly, where your company needs to be tomorrow to remain competitive.



Where Challenges Generate Opportunity

The ETI and San Diego Port Authority Partnership

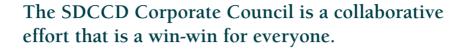
The San Diego Port Authority worked with ETI to provide training to General Services incumbent workers in the areas of electrical, landscaping, hazmat, plumbing, project management, and communications.



"There is tremendous value in working with the San Diego Community College District. The dynamic nature of the health care sector presents unique opportunities on many fronts. Through our partnership with the Corporate Council, we are better positioned to ensure a stronger health care workforce."

> Stephen Chin, Manager, Account Management and Community Relations
> Sharp HealthCare

A WIN-WIN FOR EMPLOYERS, EMPLOYEES, AND SAN DIEGO



Through the SDCCD Corporate Council, we will work with you to:

- Stay up-to-date and engaged in special workforce development initiatives and provide a forum to offer input.
- Address the unique training and workforce development needs of your organization.
- Exchange information about local, state, and national economic and business trends that impact current and future workforce demands.
- Identify and discuss paradigm shifts related to the talent and skills needed in the workforce.

The SDCCD continues to succeed in its mission of providing high-quality educational services that are affordable and accessible, and to deliver programs and courses that align with student's educational needs locally and in the state of California. Every dollar that a student invests in education at the SDCCD translates to \$2.60 in future earnings – an 11.4 percent annualized rate of return.

We invite you to join us in this effort. There are multiple benefits to becoming a member of the Corporate Council, but perhaps the most gratifying benefit is the ability to influence your own organization's workforce pipeline.

Build a Stronger Workforce. Join the SDCCD Corporate Council. Engage. Influence. Advance.

email: corporatecouncil@sdccd.edu

phone: (619) 388-6644











































The San Diego Community College District (SDCCD) includes San Diego City College, San Diego Mesa College, San Diego Miramar College, and San Diego Continuing Education. The SDCCD is governed by its Board of Trustees. No oral or written representation is binding on the San Diego Community College District without the express approval of the Board of Trustees.

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SAN DIEGO COMMUNITY COLLEGE DISTRICT

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This publication is funded in-part by the Carl D. Perkins Career and Technical Education Improvement Act.

Data on Gainful Employment and Licensure Eligibility Requirements are available at http://occinfo.sdccd.edu.

