

STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

Regional Planning Process

Projects / Project Leads / Budgets

Regional Project Descriptions



Los Angeles & Orange County

STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

Regional Planning Process

OCT

Planning in the LA/OC Region began by assessing the **key Joint Regional Planning Questions:**

| | |
|---|--|
| Are priority and emergent sectors for the region still the same? | They are the same however, industry/business, and Workforce (WIOA) view them through an industry –firm centric lens , built around industry clusters. |
| What more must be done for students to move through the region’s career pathways in selected sectors? | Our pathway development must be strengthened , structured, and aligned with various groups that include K12, Adult Education, Non-credit, incumbent workers, job seekers, and special population students. |
| How will job placement, internships, and regional industry engagement be coordinated? | They will be coordinated through direct engagement with employers and work readiness programs that build industry required competencies. leading to work-based learning and job opportunities. |
| How can industry inform and co-invest in CTE development? | Industry co-investment happens through sustained engagement and joint planning that collaboratively aligns our programs, curriculum, and labor market response. |

Understanding and vetting our **Labor Market demand** was a first step in analyzing high-growth, high demand industries and occupations. **COE-Center of Excellence** provided detailed support for the top projected growth occupations in our regions and a regional labor market assessment. The **Los Angeles Economic Development Corporation**, Los Angeles - People, Industries and Jobs Report-2015-2020, the **Orange County Business Council** 2016-17 Orange County Workforce Indicators Report and the **County of Los Angeles Workforce Investment Board** 5-Year Strategic Local Workforce Plan informed us of current regional workforce projections.

NOV

Our goal has been to develop **regional initiatives and pilots** that respond to industry training and workforce needs. To fulfill this funding requirement, CTE Deans/VPs, Deputy Sector Navigators, Technical Assistant Providers, and Project leads formed multi-college collaborations with **industry, workforce, and education partners** to develop project proposals for LA/OC. Initially, we defined 66 projects (LA/OC), ranked them according to assigned priorities of the Strong Workforce Program (SWP) and industry focused criteria and narrowed to a final list of **28 projects** (17 LA / 11 OC) for final submission approval. Our Regional Shares of 85% of the 40% SWP Allocation, plus the 10% special funding are calculated to fund the 28 projects. Los Angeles colleges have **set aside 3.5 mil** for LA Chamber and LAEDC Industry Council planning to address existing industry training gaps. This flexibility will allow for asset/analysis mapping to meet industry and labor needs.

DEC

Successful meetings have been convened with industry/business, Adult education, DSNs, and other partners. These meetings **will continue** throughout **the 3 year performance period**. Regional templates will be completed, and a **written LAOCRC SWP submission** will meet the Jan. 31, 2017 deadline.

STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

**CrossTown
Engineering Design
Manufacturing HUB**

FISCAL LEAD:
GLENDALE
 Jan Swinton
 \$600,000



**Health Sector Career
Pathway Project: A
Regional Career
Pathway Approach**

FISCAL LEAD:
RIO HONDO
 Mike Slavich
 DSN - HEALTH
 Shari Herzfeld
 \$1,410,000



**Global Trade &
Logistics Regional
Consortia
+ Digital Badges**

FISCAL LEAD:
LA SOUTHWEST
 Rick Hodge
LONG BEACH
 Leah Gould Haws
 \$808,842



**Regional NetLab Hub
and Cybersecurity &
Regional NetLabs
Project**

FISCAL LEAD:
RIO HONDO
 Rudy Rios
 Joanna Schilling
 Don Mason
 Garrett Whelan
SANTA MONICA
 Tricia Ramos
 \$1,450,000



ENGINEERING

HEALTHCARE

GLOBAL TRADE

CYBERSECURITY

BIOTECH

BRIDGE & CODING

ADV TRANSPORTATION

NET LABS

**Bioscience
Collaborative**

FISCAL LEAD:
PASADENA
 Salomon Davila
 \$750,000



**LA High Tech Bridge
and Coding Boot
Camp**

FISCAL LEAD:
LA CITY
 Alex Davis
 \$750,000



**Advanced
Transportation
& Automotive**

FISCAL LEAD:
SADDLEBACK
 Tony Teng
 \$400,000



**Regional NetLabs
Project**

FISCAL LEAD:
COASTLINE
 Nancy Jones
 Garrett Whelan
 \$600,000



NOTE: 3.5 million Set Aside/Y1 Funds – for cluster industry workforce needs and/or Regional Marketing

STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

Energy, Construction and Utilities: The Los Angeles Regional Workforce Plan

FISCAL LEADS:

LA TRADE-TECH
Marcia Wilson
RIO HONDO
Bruce Noble
\$826,000



Graphic Design/UX, 2+2 Community College to SMC Bachelor of Science in IXD

FISCAL LEAD:

SANTA MONICA
Tricia Ramos
\$220,000



Small Bus / Entrepreneurial Mindset Across Disciplines Project – for students, faculty, and community business owners

FISCAL LEAD:

LA SOUTHWEST
Rick Hodge
SMALL BUS
ENTREPRENEUR DSNs
Doris Driver
Elizabeth Arteaga
\$425,000



Advanced Manufacturing / Small Business Entrepreneurship / Retail

FISCAL LEAD:

CERRITOS
Randy Morales
\$969,000



ENERGY CONSTRUCT

GRAPHIC DESIGN

BUS/ENTREPRENEUR

ADV MANUFACTURING

CYBERPATRIOT

CAREER PATHWAYS

COOP WORK & PLACEMENT

NON-CREDIT to CREDIT

CyberPatriot National Youth Cyber Education

FISCAL LEAD:

COASTLINE
Nancy Jones
\$350,000



Career Pathways Specialist Regional Colleges

FISCAL LEAD:

RIO HONDO
Lyla Eddington
\$2,540,000



San Gabriel Valley Cooperative Work Experience Education Collaborative & WIOA Partnership for Job Placement and Retention

FISCAL LEAD:

PASADENA
Rocky Cifone
\$1,300,000



Non-Credit to Credit Pathways

FISCAL LEAD:

SANTA ANA
Nilo Lipiz
\$350,000



WORKFORCE RECOMMENDATIONS REPRESENTED

CAREER PATHWAY: Develop and broadly publicize industry-informed career pathways that prepare students for jobs needed within the regional labor market.

STUDENT SUCCESS: Broaden and enhance career exploration and planning, WBL opportunities, and other supports to students

STUDENT SUCCESS: Improve CTE student progress and outcomes.

REGIONAL COORDINATION: Strengthen communication, coordination, decision-making between regional CTE efforts and colleges to meet regional labor market

REGIONAL COORDINATION: Develop regional leadership and operational partnerships among CCs, industry, labor, and other workforce and EWD partners

STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

Uniquely Abled Academy

FISCAL LEAD:
GLENDALE
 Jan Swinton
 \$230,000



CTE Readiness /Noncredit Bootcamps

FISCAL LEAD:
MT. SAC
 Madelyn Arballo
 \$265,000



Teacher Preparation Pipeline STEM/CTE (TPP-STEM/CTE) COLLABORATIVE

FISCAL LEAD:
RIO HONDO
 M. Lea Martinez
SANTA MONICA
 Laura Manson
EAST LA
 Angelica Toledo
 \$472,632



CTE Instructor Professional Development & Mentorship

FISCAL LEAD:
SADDLEBACK
 Tony Teng
 \$200,000



OPS /PROGRAMMERS

CTE READINESS

STEM / CTE

CTE FACULTY DEV

MARKETING

CURRIC & ADVISORIES

ADV TRANSPORTATION

SECTOR DEV

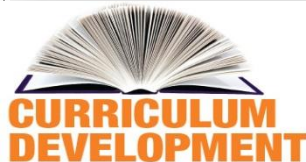
Regional Marketing

FISCAL LEAD:
SADDLEBACK
 Tony Teng
 \$2,000,000



Los Angeles Workforce Education Research Center (curriculum/proactive program approval /regional advisories)

FISCAL LEAD:
CITRUS
 Jim Lancaster
SANTA MONICA
 Patricia Ramos
CENTER OF EXCELLENCE
 Lori Sanchez
 \$600,000
 (Year1)



Advanced Transportation Regional Workforce Collaborative

FISCAL LEAD:
LA TRADE-TECH/TWI
 Marcia Wilson
Transportation and Warehousing
LA HARBOR COLLEGE
 Sandra Sanchez
 Priscilla Lopez
 \$620,000



Vertical Sector Leadership

FISCAL LEAD:
SADDLEBACK
 Tony Teng
 \$1,000,000

Build

your regional industry sector profile

Generate

more inward investment and sales leads

Enable

sector networking and cluster development

Influence

government policy and planning agendas

WORKFORCE RECOMMENDATIONS REPRESENTED

CURRICULUM: Evaluate, strengthen, and revise the curriculum development process to ensure alignment from education to employment.
CURRICULUM: Evaluate, revise and resource the local, regional, and statewide CTE curriculum approval process for timely, responsive, streamlined curriculum approval.

WORKFORCE DATA & OUTCOMES: Create common workforce metrics for all state-funded CTE programs and expand the definition of student success

WORKFORCE DATA & OUTCOMES: Improve the quality, accessibility, and utility of student outcome and labor market data to support students, educators, colleges, regions, employers, local workforce investment boards, and the state in CTE program development and improvement efforts.

STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

Drone Technology & Aviation

FISCAL LEAD:

GOLDEN WEST
Dorsie Brooks
ORANGE COAST
Lisa Kuppel
\$1,000,000

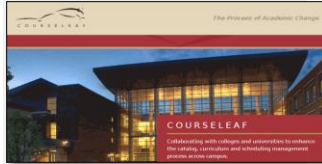


DRONE TECH

CourseLeaf Catalog

FISCAL LEAD:

NORTH ORANGE CCD
Dejah Swingle
\$225,000



PROGRAMS/CURRICULLUM

OC Energy Construction Utilities (ECU) HVACR

FISCAL LEAD:

RIO HONDO
Len Pettis DSN
Bruce Noble DSN
\$500,000



ENERGY/HVACR

Biotechnology (Life Sciences)

FISCAL LEAD:

IRVINE VALLEY
Corine Doughty
\$282,078



BIOTECHNOLOGY

28 STRONG WORKFORCE REGIONAL PROJECTS LA/OC 2016-19

- 17 Sector/Industry Cluster related projects
- 4 Curriculum Dev/Program Support/Regional Advisory projects
- 3 Pathway/Non-Credit/Adult Education projects
- 2 Teacher Prep/Faculty Development projects
- 1 Work Experience/Job Placement project
- 1 Special Populations Training project

REGIONAL PROJECTS – SUMMARY DESCRIPTIONS



GLENDALE
Jan Swinton
\$600,000

CrossTown Engineering Design Manufacturing HUB

The regional program is structured to provide a systematic, broad-based Engineering Design Manufacturing pathways that emphasize the most prevalent design, fabrication and manufacturing technologies such as CAD, detail drawings and print reading, mechanical literacy, measurement and inspection, product and process development, cost analysis and project management, manual and CNC machining, 3D printing, sheet metal, welding rapid prototyping, casting molding and forming for metal and plastic, lighting techniques, machine technology in artistic design, developing cross town teams for competitions and/or projects, alignment of curriculum to address industry needs, etc. We will use our collective programs for work based learning (paid internships), local and state maker fairs, design thinking all using of campus Makerspace/FabLab/Innovation Center concepts.



RIO HONDO
Mike Slavich
DSN - HEALTH
Shari Herzfeld
\$1,410,000

Health Sector Career Pathway Project: A Regional Career Pathway Approach

This project is designed to provide a regionally coordinated career pathway approach to curriculum and program development in the health sector, a sector that has been identified by LAEDC and the LA Area Chamber of Commerce as one of top priority sectors for the region as it relates to demand. The specific programs selected are vetted by industry as high demand occupations with current and projected openings and will serve both students and job seekers. Additional jobs or occupations will be added based on health sector industry and employer input and industry engagement. The project addresses a range of workforce needs along the career pathway continuum, which ranges from career pathway exploration and preparation for entry level positions to post-degree training for RNs to meet workforce shortages. The project will include full program development, career pathway development (K- 16), curriculum development and alignment, work-based learning, employer engagement, outreach and recruitment, equipment and professional development. This includes finalizing innovations in core/foundation curriculum/certification, the alignment, enhancement and/or development of health occupations specifically in Respiratory Therapy and Radiologic Tech/Sonography (others can be added based on industry partner needs), and curriculum development for a number of Specialty RN jobs, programs that can be implemented in college, mid-level career training and post-licensure specialization.



LA SOUTHWEST
Rick Hodge
\$808,842

Global Trade & Logistics Regional Consortia + Digital Badges

The consortium plans to have a greater impact this year. Planned projects include, GTL Curriculum Development & Articulation of sequenced curriculum of Industry-Themed Pathways. GTL Career EXPO to bring professionals, employers, ports, commerce, students, workforce groups, and colleges together for career and job opportunities for students. Regional Advisory of industry sector leaders, businesses and employers, education, workforce, and students who champion the cause and focus of work-based learning, internships, and jobs for our students (high school and college). CoffeeHouse Industry Series of mini-workshops that rotate to each of our campuses every other month throughout the year as student information sessions with outreach to academies, linked learning schools and college international business, general business and entrepreneur majors. We will continue with the IBEA program & website for regional Global / International Business information, programs. The LA County WIB Transportation and Logistics Intermediary Project will continue to convene businesses and educators to access needs, training capacity, and gaps, and make recommendations on training investments and program priorities. A new regional effort spearheaded by the GTL DSN on a Digital Badging project will codify student skill development and industry. Flexible Internship Training program (FIT)+ E-Portfolios will be developed for students/workers.



RIO HONDO
Mike Slavich
\$1,450,000

Regional NetLab Hub and Cybersecurity & Regional NetLabs Project

An Orange County/Los Angeles County Regional project to create a regional NetLab Hub. To date the consortium members include: Rio Hondo College, Cypress, Cerritos, Irvine Valley, and Long Beach CC. This regional consortium of Community Colleges will give Southern California students round-the-clock access to CTE training and virtual labs. The virtual lab system will be used for courses that prepare students for jobs in IT and Cybersecurity. A regional sharing model enables participating colleges to offer courses that support training for Certifications from the industry's most recognized providers like Cisco, CompTIA, and VMware. The ability to offer a multitude of classes without each campus investing in expensive lab equipment is a major benefit. This combination of software and hardware will enable faculty and students, from any internet accessible location, to utilize a virtual lab environment designed to provide employer demanded "hands-on" experience with a variety of computer operating systems, networking equipment, and application software. The group will work with Coastline to duplicate/expand programs to include cybersecurity within the LA region.

COLLEGES/DSN

Glendale
Mt. SAC
Cerritos
Pasadena

COLLEGES/DSN

Rio Hondo
LA Trade Tech
LA Mission
Pasadena
El Camino
Compton
West LA
LA Southwest
Citrus
Pierce
Long Beach

COLLEGES/DSN

LA Southwest
Pasadena
West LA
Santa Monica
LA Harbor
Santa Ana
Mt. SAC
Glendale
Long Beach
Compton
Willshire/Comp
AJCC
DSN - LA – GTL
DSN - OC GTL
DSN - LA
Bus/Entrep
DSN - OC
Bus/Entrep

COLLEGES/DSN

Rio Hondo
LA Mission
Santa Monica
Cerritos
Pasadena
El Camino
West LA
Compton
Citrus
East LA
LA City
LA Harbor
Long Beach



PASADENA
Salomon Davila
\$750,000

Bioscience Collaborative

This was a collaboration of LA County Colleges electing to use CTE-Enhanced Funding for starting or augmenting a training program for biotech laboratory skills. Ideas were proposed and decisions were made on lab space, curriculum, career pathways and dual enrollment, advisory boards, marketing, alignment with new BS programs, internships, third-party credentials, employability milestones and industry alignment.

Project Objectives: #1 Increase training capacity at all collaborating colleges. #2 Create work-based learning and dual enrollment opportunities that will allow high school students and basic skills learners to choose a career in biosciences knowledgeably. #3 Facilitate the development of programs with industry-aligned curriculum using the experience of and shared curriculum from consortium faculty. #4 Market the opportunity of the bioscience consortium programs. #5 Align curriculum with BS Bio-manufacturing degrees (Solano, Mira Costa).

COLLEGES/DSN
 Pasadena
 LA Mission
 West LA
 Citrus
 Rio Hondo
 LA Trade Tech



LA CITY
Alex Davis
\$750,000

LA High Tech Bridge and Coding Boot Camp

The Bridge to Coding training is comprised of a 12-week session where students are prepared with contextualized information to enter the Coding Boot Camp. Students will be exposed to important aspects of being a new employee that includes: Workplace Success, Shining as a New Employee, Oral and Written Communication for the IT office environment, Workplace Behavior, Emotional Intelligence, Cultural Diversity, and Interviewing Skills. The 16 week Coding Boot Camp is designed to prepare programmers and coders to transition into job openings in the Information and Communication Technologies (ICT) industry. Training in the LA High Tech Bridge & Coding Boot Camp (HTBC2) includes an 8-week (2 days per week) paid internship.

Students completing the Bridge to Coding will learn how to:

- Communicate effectively in the workplace * Develop excellent internal and external customer services * Satisfy employer expectations * Understand personality assessment and goal-setting * Understand workplace culture * Engage in teamwork and effective collaboration * Build effective workplace habits, interviewing and networking skills
- Students completing the Coding Boot Camp will learn how to: * Develop web applications using a web full stack programming environment* Design, implement, and test web applications * Design web user interfaces using HTML, * CSS, and JavaScript * Use web services to transfer data and add interactive components to web pages

COLLEGES/DSN
 LA City
 LA Mission
 West LA
 LA Trade Tech
 LA Harbor
 East LA
 LA Southwest
 LA Valley
 Pierce
 El Camino
 Compton
 Long Beach



GOLDEN WEST
David Gatewood
\$400,000

Advanced Transportation & Automotive

Working with Cypress, Fullerton, Santa Ana, Saddleback, and Golden West, create an Orange County AutoTech Collaborative that markets the five CC automotive programs in the county. Work collaboratively to provide some portability and comparability of programs for both students and employers. Create showcases, competitions, and joint projects in support of the car culture of OC. By determining the strengths and growth areas for each program, focus regional resources to create unique programs that meet the needs of the students and employers of the region.

COLLEGES/DSN
 Golden West
 Cypress
 Fullerton
 Santa Ana,
 Saddleback

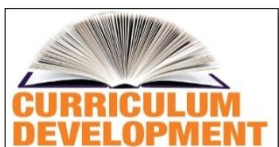


COASTLINE
Nancy Jones
Garrett Whelan
\$600,000

Regional NetLabs Project

Coastline Community College will host the LA/OC regional NetLabs project where colleges in the region will maintain ownership of their NetLab equipment but would house them at the Coastline site and all of the members (who donated or did not donate equipment) would utilize the virtual lab services on a minimal annual fee basis to cover the ongoing network administrative support, replacement, and maintenance/operation of the NetLab system. In essence we would pool our equipment and let everyone use it.

COLLEGES/DSN
 ALL 9 OC
 COLLEGES



CITRUS
Jim Lancaster
\$600,000

Los Angeles Workforce Education Research Center (curriculum/proactive program approval /regional advisories)

The project is to regionalize a Workforce Education Research Center (WERC) (Ideally this should be across both LA and OC county but center may start in Los Angeles county). The primary objective of the center is to increase alignment and inform regional workforce education, practice, and policy with the regional labor market demand, required and preferred occupational competencies, counties' economic needs, and social justice issues that impact students and the workforce. Social justice issues could include educational attainment of populations in sub-regions of the county, wage parity, negative impacts of sub-regional economic development such as gentrification, etc. The LAWERC (pronounced L.A. Work) or LAOCWERC (if macro regional project) will: 1. Research and publish labor market supply and demand data informed by industry sector/cluster analysis, along with the industry specific staffing patterns and human capital supply chains, in relation to workforce education in the region. 2. Provide research that will inform the identification of employers for regional industry advisory groups that will apprise colleges of necessary occupational skills, workforce education performance objectives, workforce education performance criterion, and potentially inform a regional model curriculum design for program development and/or modification. 3. Research and publish regional studies focused on the impact, relationship, correlation, etc. that local, regional, and statewide workforce education and workforce policies have on educational access, social mobility, socio-economic status, social justice/classism, student success, workplace success/persistence, etc.

COLLEGES/DSN
 ALL 28
 COLLEGES

REGIONAL PROJECTS – SUMMARY DESCRIPTIONS



LA TRADE TECH
Marcia Wilson
\$826,000

Energy, Construction and Utilities: The Los Angeles Regional Workforce Plan

According to the AEE-Advanced Energy Economy, nationwide an estimated additional 57,000 skilled workers are needed each year to work in the Energy Efficiency industry. California's Advanced Energy industry needs highly skilled workers – 15,000 more of them every year. The Doing What Matters Energy Construction & Utilities sector team and regional EC&U Deputy Sector Navigators and Prop 39 Directors are fostering opportunities for regional collaboration that unify initiatives to build a fully-qualified workforce to meet the region's and California's energy efficiency mandates, with the goal of unlocking economic growth through investment in regional energy efficiency education and skills building programs. The description of this project is Year One of a multi-year plan that will address the needs of the regional economy in this sector. The plan includes industry engagement, regional advisories, curriculum enrichment/enhancement, updated equipment, professional development, career awareness and pathway development, and new and incumbent worker training.

1. Industry engagement, college program scan and development of a regional industry advisory
2. Enhanced and enriched curriculum and equipment
3. Professional development
4. Increased Career Awareness and Career Pathway Development
6. Incumbent Worker Training

COLLEGES/DSN

LA Trade Tech
 El Camino
 West LA
 Cerritos
 East LA
 Long Beach
 Pierce
 Mt SAC
 Rio Hondo
 Glendale
 LA City
 LA Southwest
 Pasadena
 Citrus
 Santa Monica
 LA Valley
 DSN-Energy



SANTA MONICA
Tricia Ramos
\$220,000

Graphic Design/UX, 2+2 Community College to SMC Bachelor of Science in IXD

SMC is offering a high quality, affordable, and in demand Bachelor's degree in Interaction Design that will cost students just over \$10,000. Only two private universities in California offers a Bachelor's Degree in Interaction Design (also referred to as User Experience Design). The program at these two universities cost around \$160,000. It is important to open the opportunity to partner colleges to train students for a career that pays well and will launch them into the middle class while meeting a dire need in our tech industry. SMC will partner with PCC and GCC to develop programming that aligns with SMC's AS degree to prepare students to enter SMC BS degree in junior standing (completions of 60 units) from their Graphic Design program or related.

COLLEGES/DSN

Santa Monica
 LA Mission
 Rio Hondo
 West LA
 LA Harbor
 Pasadena



LA SOUTHWEST
Rick Hodge
\$425,000

Small Bus / Entrepreneurial Mindset Across Disciplines Project

The goal of this project is for students, faculty, and community business owners to develop an Entrepreneurial Mindset Across Disciplines in CTE fields, as well as STEM, that have the potential to yield business ownership, partnerships, and corporate entities. There is a gap in contextualized small business/entrepreneurship certificates and degrees and a lack of experiential learning by doing. Students who desire business as a career and starting their own businesses need more opportunities for work-based learning. There is opportunity for each campus, across their disciplines to:

- Embed and infuse small business/entrepreneurship curriculum into their programs/courses
- Create certificates and degrees with emphasis on small business/entrepreneurship
- Have work based learning opportunities through small business/entrepreneurship.

Examples of the need across disciplines is in career paths that lead to the nuts and bolts of operating a small business or becoming entrepreneurial:

- HEALTHCARE: a Home Health Aide becomes an independent sole proprietor meeting the needs of patients
- PSYCHOLOGY: a psychologist starts their own practice by opening up an office
- CHILD DEVELOPMENT: A Child Development Specialist starts a Day Care Center operation
- AMINISTRATION OF JUSTICE: a graduate uses his/her foundational training to become a Private Investigator with a small business operation
- CSIT: a student with stackable certificates in Support Services Technician starts his/her own business in troubleshooting computer issues for businesses.

COLLEGES/DSN

LA Southwest
 LA Mission
 West LA
 LA Trade Tech
 Long Beach
 DSN - LA
 Bus/Entrep
 DSN - OC
 Bus/Entrep



COASTLINE
Nancy Jones
\$350,000

CyberPatriot National Youth Cyber Education

The CyberPatriot competitions meet a critical need for developing cyber skills and awareness in the K-12 segment. Coastline is proposing to sponsor CyberPatriot competition activities at the current three colleges and increase to four colleges during the next competition season. Expenses to be covered for these competitions include Coordinator (+Benefits), 25 Mentors to help teams on a weekly basis, K-12 teacher/coach stipends, CyberPatriot Team Registration (25 high schools, 25 middle schools), food for the events, marketing, bus transportation for high school students, and the design and implementation of a competition scoring engine.

COLLEGES/DSN

Coastline
 Irvine Valley
 Cypress



SADDLEBACK
Tony Teng
\$1,000,000

Vertical Sector Leadership

Identifying college champion who will become a resource to coordinate and support participating regional colleges. Working with DSNs, college champion would develop sector development and partnerships with K-12, industry, WDB, and other stakeholders. Outcome would focus on sector development, curriculum and program alignment, support structure. Would like to recommend addition of the NOCCCD, School of Continuing Education and add adult ed CTE programs to the partnerships.

COLLEGES/DSN

ALL 9 OC
 COLLEGES

REGIONAL PROJECTS – SUMMARY DESCRIPTIONS



CERRITOS
Randy Morales
\$969,000

Advanced Manufacturing / Small Business Entrepreneurship / Retail

Purpose of the project: The LEAP project seeks to identify, promote and encourage innovative partnerships between employers, K-12, community colleges and higher education institutions to help today's 'working learners' complete their education while working. The foundation of the Consortium's project is to help the Advanced Manufacturing, Retail/Business, and other selected industry sectors as determined by each campus, succeed by building educational/career pathways throughout these industries, and to prepare workers for placement and advancement in high skill and high demand occupations. Cerritos College has worked closely in partnering with Viridis Learning to build a competency-based platform and, in so doing, connects students to meaningful pathways based upon local employer demand.

Scope and parameters of the project: Coordination across a college consortium to: (1) Increase number of student CTE courses (by: Creating/Enhancing relevant curriculum to meet workforce demands & creating stacked and latticed models from Certificate to AA/BA) (2) Increase percentage of student completions (as a result of: Building of Education/Career Pathways; Increase number of portable CTE & OER courses; and tracking student progress and retention)

(3) Successful workforce outcomes (through: Increased internships & job placement percentage; improved sector-based engagement with employers within the region; and integration of the Viridis Learning platform for student tracking/placement) (4) Collectively market CTE programs to K-12 and employers (by way of: Intervention programs in which K-12 students are engaged with college campuses for educational and academic skill building; school-college course articulation and curriculum development, school presentations and college/career days involving K-12 students, regional colleges, and industry partners; and website development/enhancements).

COLLEGES/DSN

Cerritos
El Camino
Compton
LA Mission
Rio Hondo
Long Beach
LA Harbor
LA Trade Tech



RIO HONDO
Lyla Eddington
\$2,540,000

Career Pathways Specialist Regional Colleges

Implementation of Career Pathways is a major focus of the Strong Workforce Recommendations. This project would provide technical assistance and staffing that would continue the work of the SB 1070 Career Pathways Grant. The current grant sunsets June 2017, but funding is needed for the 2017-18 Academic Year. Focus will be on 1. Implementation of Alternative Methods for Granting Credit from High School and/or Adult Education; 2. Implementation of CATEMA to track credit granting from high school/adult education; 3. Implementation of Dual Enrollment Courses that focus on identified Career Pathways. The Career Specialist will be the point of contact for articulation, dual enrollment and development of career pathways between the CC and HS/Adult School.

10-month employee at each of the 19 colleges, Project Director Contract, Project Coordinator (part time), Clerical Support, Web Hosting for www.lacccwc.com with link to www.laoocr.org, Staff Development for Counselors at High Schools, Adult Schools, & Community Colleges, Meeting Expenses

COLLEGES/DSN

ALL 19 LA
COLLEGES



PASADENA
Rocky Cifone
\$1,300,000

San Gabriel Valley Cooperative Work Experience Education Collaborative & WIOA Partnership for Job Placement and Retention

A regionally-based project to align and consolidate CWEE/Internship efforts, strategies, and partnerships between Pasadena City College, Glendale College, Citrus College, and Rio Hondo College. They are single college districts and members of the LA Ring College Consortium. Together they will leverage common advisory partners, resources and policies to insure streamlined, efficient, and non-redundant placements and evaluations of CWE student activities. Outcomes include more rapid and greater completion rates in programs targeted by the colleges' local SWP investment plans in phase one with a continued, phased build-out across common curricula later on. Goals will include: Agreements between the four college districts on aligned BOT and administrative policies governing work experience that are compliant with California education code; common contracts; consistent risk-management policies; common student/employer evaluation and assessment instruments and processes; CWE curriculum alignment; consolidated operational strategies; shared professional development and student advisement resources. First phases will focus on the employer/employee needs of the Greater San Gabriel Valley where many advisory members report multiple requests from the same colleges for internship agreements and partnerships. Initial focus will be on vertical regional employment sectors common to all four colleges. Subsequent phases of the project can include additional members of the LA Ring College Consortium as appropriate.

COLLEGES/DSN

Pasadena
Citrus
Glendale
Mt. SAC
Rio Hondo
El Camino



SANTA ANA
Nilo Lipiz
\$350,000

Non-Credit to Credit Pathways

Prepare noncredit students to enroll in credit certificate programs by completing credit introductory courses thru the noncredit program. This is accomplished by aligning curriculum with credit so completion of noncredit courses count towards the attainment of credit State-approved certificates. Accounting, Automotive, Nursing, Pharmacy Tech, Culinary, & Biotech: Provide seamless pathways from noncredit to credit.

COLLEGES/DSN

All 9 OC
COLLEGES

REGIONAL PROJECTS – SUMMARY DESCRIPTIONS



GLENDALE
Jan Swinton
\$230,000

Uniquely Abled Academy

Glendale Community College offered the 1st Uniquely Abled Academy in summer 2016. High End Autism Spectrum students were trained as CNC Operators. This project would assist other colleges interested in replicating this model at their own college in one of their CTE programs where specific tasks and focused attention to detailed repetitive processes, are required for the job skill sets.. GCC will help advise CC site how to implement the UAA program. (GCC did this with no budget, and agencies donating staff, resources, etc.). All students ended up having college costs funded by qualifying for agency services. New UAA programs need staff to implement and to follow-up with students and employers
Approximate costs per college

COLLEGES/DSN

Glendale
LA Mission
West LA
LA Trade Tech



MT. SAC
Madelyn Arballo
\$265,000

CTE Readiness /Noncredit Bootcamps

SWP aims to train individuals for middle-skilled employment in high demand fields. However, many students seeking training have basic skills deficiencies, especially in math and are thus, ill-prepared for college CTE coursework. The LAOCRC Regional Plan outcomes can be strengthened with the development of contextualized short-term noncredit bootcamps that help students to be better prepared to enter college and be successful in college CTE coursework. Examples of contextualized noncredit bootcamps are Math for Healthcare workers, Vocational ESL, and preparation for college entrance exams. Coordination is also part of the project for purposes of increasing scale and recruitment of noncredit and K-12 adult education students. This project also aligns with objectives from Adult Education Regional Plans and because the result would be post-secondary transition there is potential for AEBG/ WIOA outcomes.

COLLEGES/DSN

Mt. SAC
LA Mission
Cerritos
West LA
Citrus
Glendale
Pasadena
LA City
Rio Hondo
El Camino
Compton
LA Harbor
Pierce
LA Trade Tech
Long Beach



RIO HONDO
M. Lea Martinez
SANTA MONICA
Laura Manson
EAST LA
Angelica Toledo
\$472,632

Teacher Preparation Pipeline STEM/CTE (TPP-STEM/CTE) COLLABORATIVE

The Teacher Preparation Pipeline (TPP) – STEM/CTE Collaborative started in 2014-2015 when 10 TPP campuses came together and created a statewide collaborative. This collaborative provides a model of contextualized teacher preparation that successfully recruits, trains and supports existing and future educators throughout the state of California, focusing on the areas of STEM and CTE. Its focus includes career exploration, contextualized learning opportunities, teacher recruitment and retention, and the development of a quality teacher preparation model of collaboration that is currently shared regionally, statewide and beyond. It will focus on two major activities: 1) enhancing professional development opportunities for CTE faculty to maintain industry and program relevance as part of the BOG Task Force Recommendations; and 2) developing partnerships with K-12 districts to develop shared initiatives for increasing dual- enrollment opportunities for high school students interested in careers with children, increasing teacher pipeline activities, and jointly promoting teaching as a career. This TPP Collaborative project covers the following key criteria and projected outcomes: Increasing Enrollment Potential (approx. 475 students enrolled in dual enrollment in Fall 2017). Developing Career Pathways (each participating college will work with 4-year university partners and K-12 districts to streamline career pathways that lead to teaching). Preparing Students (e.g. career exploration, counseling, field work). Preparing Job Seekers. Work-based Learning Opportunities. Broad Regional Focus (the collaborative will convene all 19 colleges in the LA Region and work on projects with a regional focus). Job Placement Function. New Curriculum Development. Addressing Gaps in Skill Development. Faculty Professional Development, and Additional Template Metrics.

COLLEGES/DSN

Rio Hondo
Santa Monica
LA Mission
Cerritos
El Camino
Compton
Citrus
Pasadena
East LA
Pierce
LA Trade Tech



LA TRADE-TECH/TWI
Marcia Wilson
Transportation and Warehousing
LA HARBOR COLLEGE
Sandra Sanchez
Priscilla Lopez
\$620,000

Advanced Transportation Regional Workforce Collaborative

The Transportation Workforce Institute (TWI) at LATTC aims to ensure a well-trained and diverse transportation workforce. TWI's reach is national—constructing and disseminating model, sharable curriculum and workforce development resources based on national industry standards and certifications. TWI's impact is regional—leading industry, education, and workforce development partners in creating programs and services that meet immediate and long-term employer needs while connecting diverse communities and citizens through transportation projects and workforce development efforts. Our work is shaped by three inter-connected strategies: (1) contribute to a systemic approach to workforce development in the U.S. transportation industry (2) enable agile and interlinked responses to regional employer demands, and (3) revitalize communities and connect citizens through transportation initiatives and activities. LA Trade-Tech will coordinate the work related to the advanced transportation occupations (related to diesel, rail, automotive, etc.) and LA Harbor College will coordinate the work related to the warehousing and logistics occupations (related to jobs at the ports, trade and logistics) and will be the liaison between this project and the ProGTL project to ensure alignment and prevent duplication.

COLLEGES/DSN

LA Trade Tech
LA Harbor
Compton
Pierce
Long Beach

REGIONAL PROJECTS – SUMMARY DESCRIPTIONS



SADDLEBACK
Tony Teng
\$200,000

CTE Instructor Professional Development & Mentorship

Develop a regional CTE faculty development program including continuing education and mentorship.

COLLEGES/DSN
ALL 9 OC
COLLEGES



SADDLEBACK
Tony Teng
\$2,000,000

Regional Marketing

Develop a regionalized marketing effort that can be a resource for each college and customized for each college's program.

Outcomes should include marketing materials for sectors, marketing coordination with regional colleges, and other resources.

COLLEGES/DSN
ALL 9 OC
COLLEGES



GOLDEN WEST
Dorsie Brooks
ORANGE COAST
Lisa Kuppel
\$1,000,000

Drone Technology & Aviation

Establish a collaborative between LA and OC colleges who are interested in the program and creation of certificates and degree pathways with specializations at each college. (Intents already submitted: Cypress (approved and courses being offered), Golden West College, Santiago Canyon College, Fullerton College, Orange Coast College,)

COLLEGES/DSN
Golden West
Orange Coast
Cypress
Santiago
Canyon
Fullerton



NORTH ORANGE CCD
Dejah Swingle
\$225,000

CourseLeaf Catalog

NOCCCD is implementing and CCCD is considering implementation of CourseLeaf Catalog services from LeepFrog Technologies (www.leepfrog.com) to generate our college catalogs. Courseleaf reaches into a college's ERP for course and program information and generates a web-based catalog. If all colleges in the county used this service we could work with LeepFrog to generate a web site displaying a regional program matrix with very high accuracy and automatic annual updates. Other uses/applications of this regional database could develop over time.

COLLEGES/DSN
ALL 9 OC
COLLEGES



RIO HONDO
Len Pettis DSN
Bruce Noble DSN
\$500,000

OC Energy Construction Utilities (ECU) HVACR

Continuation of Regional HVACR Collaborative: Enhance existing HVACR Programs at 5 participating Colleges adding 2-3 OC Community Colleges. Develop a foundational Heating, Ventilation, Air Conditioning-Refrigeration (HVACR) / Environmental Controls Technology program which prepares students for entry-level positions with HVACR contractors. Advanced Track: Develop an advanced HVACR / Environmental Controls Technology program. Capstone Track: Develop an Advanced HVACR / Environmental Controls Technology program to meet CA workforce needs.

COLLEGES/DSN
8 OC COLLEGES



IRVINE VALLEY
Corine Doughty
\$282,078

Biotechnology (Life Sciences)

Orange County Biotechnology Education Partnership: Four community colleges (FC, IVC, SAC, SCC) are collaborating closely to develop career training for high school and college students. The Biomanufacturing Technician Pathway is designed to educate technician-level professionals with the skills required to earn immediate gainful employment in the fields of technology that utilize the science of biology. These biotechnology and biomanufacturing jobs are essential aspects of our nation's economic and technical competitiveness. Partnering with high schools to implement and sustain for-credit, dual-enrollment, biotechnology courses; Enhancing the practical experience of high school and college students by offering for-credit, college-level courses – cooperative work experiences.

COLLEGES/DSN
Irvine Valley
Fullerton
Santa Ana
Santiago
Canyon

REGIONAL PROJECTS – SUMMARY DESCRIPTIONS

NOTE: 3.5 million Set Aside/Y1 Funds – for cluster industry workforce needs and/or Regional Marketing



LA CHAMBER / LAEDC

The Year 1 Set Aside will be used for projects with industry clusters representing identified gaps with industry needs in the Los Angeles region. This placeholder provides needed time to collaborate and align college and industry interests. It may also be used to market the region’s programs, jobs and workforce opportunities.

Potential project clusters are:

AEROSPACE & DEFENSE: Including Space commercialization, Drone technologies, and Unmanned Aerial Systems

ADVANCED TRANSPORTATION: Including Fuel, Autonomous vehicles, Electric vehicles
INFORMATION & COMMUNICATION TECHNOLOGIES

BIOSCIENCE & MEDICAL DEVICES

ENTERTAINMENT & DIGITAL MEDIA

LA/OC REGIONAL PROJECTS – TOTAL SWP BUDGETS

| COLLEGES & INDUSTRY | TOTAL PROJECTS | 85% (of the 40%) | 10% (of the 40%)** |
|--|------------------|---------------------|--------------------|
| LOS ANGELES (19 COLLEGES) | 17 | \$12,336,474 | \$1,900,000 |
| LAEDC + LA CHAMBER Bus & Industry Set-Aside | To be determined | \$3,500,000 | |
| ORANGE COUNTY (9 COLLEGES) | 11 | \$6,296,333 | \$740,745 |
| TOTAL 28 COLLEGES | 28 | \$22,132,807 | \$2,640,745 |

**10% of Regional Shares can be deployed against other Task Force recommendations with attention to:

- Region-wide outreach to employers on CTE by sector for purposes of internship/job placements
- Region-wide outreach to students/families on career awareness/CTE options
- Additional data-related needs
- Professional development to streamline curriculum approval CTE