Regional Planning Process

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

<table>
<thead>
<tr>
<th>Question</th>
<th>Response</th>
</tr>
</thead>
<tbody>
<tr>
<td>Are priority and emergent sectors for the region still the same?</td>
<td>They are the same however, industry/business, and Workforce (WIOA) view them through an industry–firm centric lens, built around industry clusters.</td>
</tr>
<tr>
<td>What more must be done for students to move through the region’s career pathways in selected sectors?</td>
<td>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.</td>
</tr>
<tr>
<td>How will job placement, internships, and regional industry engagement be coordinated?</td>
<td>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.</td>
</tr>
<tr>
<td>How can industry inform and co-invest in CTE development?</td>
<td>Industry co-investment happens through sustained engagement and joint planning that collaboratively aligns our programs, curriculum, and labor market response.</td>
</tr>
</tbody>
</table>

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.
### 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 Goold 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

### 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

### 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

---

**PARTNERS:** INDUSTRY / BUSINESS / WORKFORCE / WIOA / ADULT EDUCATION / K12 / LINKED LEARNING / UNIVERSITIES  
LA CHAMBER / LAEDC INDUSTRY COUNCILS / OC BUS COUNCIL / COE / CAL HOSPITAL ASSOC / WIOA / OCDOE  
COUN OF SUPPLY CHAIN MGT / LINKEDIN / LA PORTS / LAUSD / UPS / SOCAL EDISON / IEEE / CISCO / TESLA / TWI

---

**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 LEADS:**
- 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

## 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
MARKETING
 Regional Marketing
FISCAL LEAD:
SADDLEBACK
Tony Teng
$2,000,000

CTE READINESS
CURRIC & ADVISORIES
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)

STEM / CTE
ADV TRANSPORTATION
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

CTE FACULTY DEV
SECTOR DEV
Vertical Sector Leadership
FISCAL LEAD:
SADDLEBACK
Tony Teng
$1,000,000

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.
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
### 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.

### 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.

### 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.

### 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.
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).

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
- Design web user interfaces using HTML, CSS, and JavaScript
- Use web services to transfer data and add interactive components to web pages

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.

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.

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.
### 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
5. Incumbent Worker Training

### 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.

### 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 •ADMINISTRATION 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.

### 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.

### 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.
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).

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.laocrcc.org., Staff Development for Counselors at High Schools, Adult Schools, & Community Colleges , Meeting Expenses

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.

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.
REGIONAL PROJECTS – SUMMARY DESCRIPTIONS

**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*

**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.

**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.

**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**
**Glendale**
LA Mission
West LA
LA Trade Tech

**MT. SAC**
Madelyn Arballo
$265,000

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

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

**GLENDALE**
Jan Swinton
$230,000

**MT. SAC**
Madelyn Arballo
$265,000

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

**LA TRADE-TECH/TWI**
Marcia Wilson
Transportation and Warehousing
LA HARBOR COLLEGE
Sandra Sanchez
Priscilla Lopez
$620,000
CTE Instructor Professional Development & Mentorship
Develop a regional CTE faculty development program including continuing education and mentorship.

SADDLEBACK
Tony Teng
$200,000

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.

SADDLEBACK
Tony Teng
$2,000,000

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. (Intent already submitted: Cypress (approved and courses being offered), Golden West College, Santiago Canyon College, Fullerton College, Orange Coast College)

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

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 website displaying a regional program matrix with very high accuracy and automatic annual updates. Other uses/applications of this regional database could develop over time.

NORTH ORANGE CCD
Dejah Swingle
$225,000

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.

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

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.

IRVINE VALLEY
Corine Doughty
$282,078
### 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

<table>
<thead>
<tr>
<th><strong>COLLEGES &amp; INDUSTRY</strong></th>
<th><strong>TOTAL PROJECTS</strong></th>
<th><strong>85% (of the 40%)</strong></th>
<th><strong>10% (of the 40%)</strong></th>
</tr>
</thead>
<tbody>
<tr>
<td>Los Angeles (19 Colleges)</td>
<td>17</td>
<td>$12,336,474</td>
<td>$1,900,000</td>
</tr>
<tr>
<td>LAEDC + LA Chamber Bus &amp; Industry Set-Aside</td>
<td>To be determined</td>
<td>$3,500,000</td>
<td></td>
</tr>
<tr>
<td>Orange County (9 Colleges)</td>
<td>11</td>
<td>$6,296,333</td>
<td>$740,745</td>
</tr>
<tr>
<td><strong>Total 28 Colleges</strong></td>
<td><strong>28</strong></td>
<td><strong>$22,132,807</strong></td>
<td><strong>$2,640,745</strong></td>
</tr>
</tbody>
</table>

**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

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