



SOUTH BAY WORKFORCE INVESTMENT BOARD

Putting people to work; helping business succeed.

Help Support our work to keep people employed.



Creating and Managing Non-Traditional Apprenticeship Programs

Chris Cagle, Regional Affairs Manager

Deborah Shepard, Special Projects Career Pathways Coordinator

Amelia Klawon, Special Projects Development Coordinator





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AGENDA

- Apprenticeship/Pre-Apprenticeship
 Overview
- Starting an Apprenticeship Program
 - O Identify the Need & Partners
 - O Register the program/occupations
 - Market the program
 - O Recruit & enroll participants
- Managing the program
 - O Managing participants
 - O Funding the program
- Q&A









Traditional vs. Non-traditional Apprenticeship







WORKFORCE DEVELOPMENT PIPELINE



Benefits for Employers

- Customized training that meets industry standards
- Stable and reliable pipeline
- Systematic approach to training
- Credential attainment
- Funding available







Apprenticeship as an Incumbent Worker Development Strategy

Formalize incumbent worker training

 Training plans customized to individuals and departments

 Provides a clear path for advancement (e.g. from technician to engineer)

Enhance employee retention







Apprenticeship as a Workforce Pipeline Development Strategy For New Hires

- Hire sooner at lower skill level than normally required
- Use apprenticeship to address skills gaps, learn the business, become job ready
- Hire from broader range of schools

Benefits:

- Provides potential for more diversity
- Time to obtain a security clearance
- Increases pipeline of qualified employees

Sollege or University Education

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4	Pre	Apprenticeship
3	Pre	
2	Pre	Apprenticeship
1	Pre	



Benefits for Employees

- Hands-on structured career training
- Career advancement
- Recognition of prior learning and experience
- National/state credential
- Additional stackable certificates related to occupation
- Additional support (mentorship)

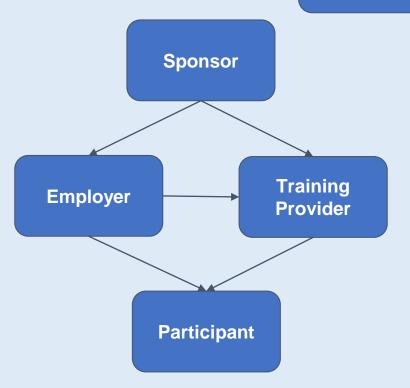






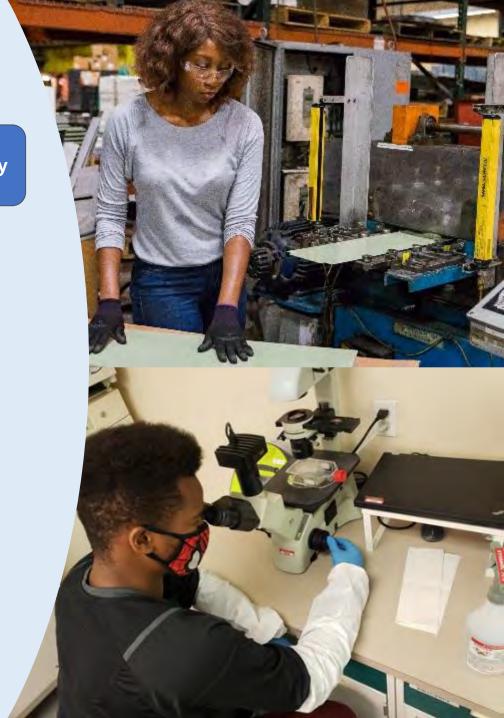
Apprenticeship Roles

Intermediary









Apprenticeship Components

- 1. On-the-Job (OJT) Competencies
- 2. Behavioral Competencies
- 3. Related Instruction (classroom training)
- 4. Term
- 5. Wage Schedule

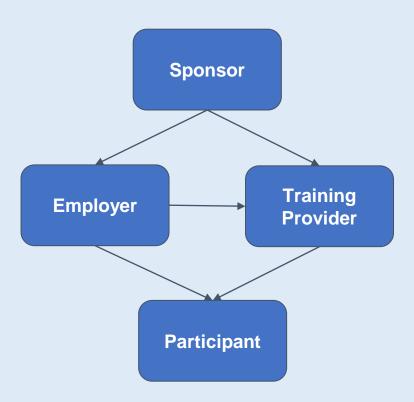






PRE-APPRENTICESHIP

Pre-Apprenticeship Roles









Pre-Apprenticeship Components



TRACK I
Work Readiness Skills



TRACK II
Related Technical Skills



TRACK III
Work Experience







CERTIFICATE OF COMPLETION

THE AFRO-FLEX UNITATERAL APPRENTICESHIP COMMITTEE CONFIRMS THAT:

NAME

HAS COMPLETED ALL REQUIREMENTS OF THE AERO-FLEX PRE-APPRENTICESHIP ON: DATE

UNILATERAL APPRENTICESHIP COMMITTEE





































REES Foundation

to certify that: IMPRESA

BIO FLEX
Pre-Apprenticeship

CERTIFICATE OF COMPLETION

THE BIO-FLEX APPRENTICESHIP ADVISORY COMMITTEE CONFIRMS THAT:

NAME

HAS COMPLETED ALL REQUIREMENTS OF THE BIO-FLEX PRE APPRENTICESHIP ON:

DATE

APPRENTICESHIP ADVISORY COMMITTEE

ThermoFisher SCIENTIFIC













CERTIFICATE





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IN FEBRUARY JOHN CO. March 17, 2016





Celebrating Completions









South Bay Workforce Investment Board

FOR IMMEDIATE RELEASE

South Bay Workforce Investment Board 11539 Hawthorne Blvd., Suite 500 Hawthorne, CA 90250 Contact: Jan Vogel 310-970-7700

May 25, 2021

FIRST TWO APPRENTICES COMPLETE SOUTH BAY
WORKFORCE INVESTMENT BOARD AERO-FLEX APPRENTICESHIP PROGRAM



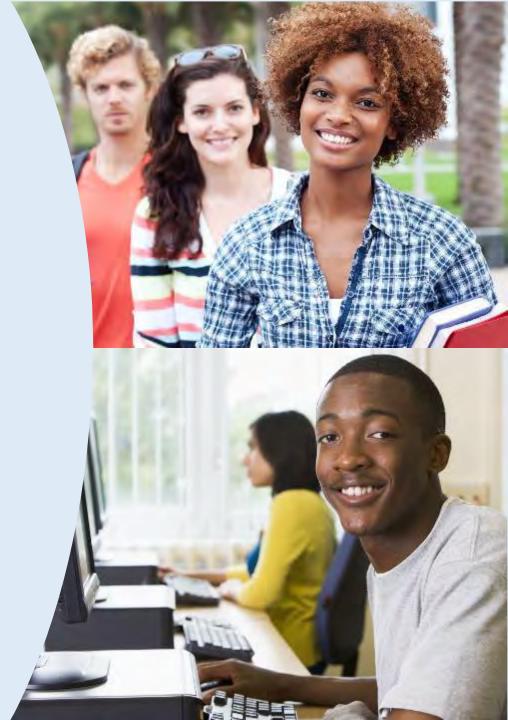


Youth Apprenticeship

- Hired part-time while in high school
- Hired full-time upon graduation
- Challenges: employer acceptance of age, part-time work, work study program at school









1. Identify the Need and Partners

- Identified industry focus areas: aerospace and bioscience
- Surveyed employers for occupation needs & skill gaps
- Identified champion employer
- Identified local training providers, associations & CBOs
- Created Apprenticeship Advisory
 Committee

























What is important to employers?

- Flexibility
- Scalability
- Minimal changes to internal infrastructure
- Little to no cost
- Address needed soft skills
- Move at the speed of business



Engaging Partners

- Write grants together
- **Employer engagement**
- Recruit participants
- Provide training
- Technical support













































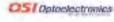






































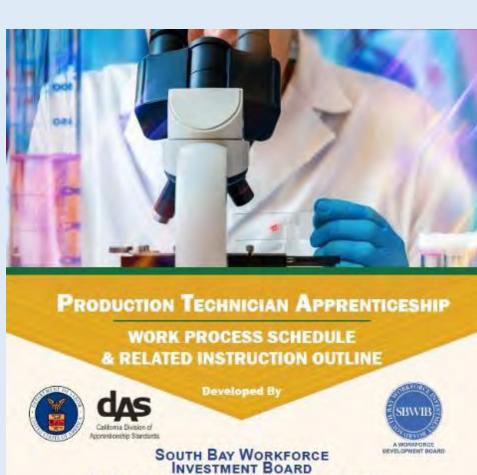


Employer Engagement Strategies

- Identify what problem can solve for them
- Offer all other WDB services
- Simplify language/minimize jargon, graphically-pleasing material
- Identify how apprenticeship can wrap around/formalize current training
- Start with one occupation
- We take care of paperwork
- Offer 1-year term, encourage credit for prior learning and experience
- Involve them in pre-apprenticeship







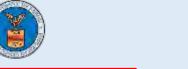
BIO-FLEX ADVISORY COMMITTEE & EMPLOYER PARTNERS



(Existing Occupation Title: Bio-Manufacturing Technician) O*NET-SOC CODE: 19-4021.00 RAPIDS CODE: 1103CB







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APPENDIX E EMPLOYER ACCEPTANCE AGREEMENT

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2. Register Program & Occupations - DOL/DAS

- Design training plans with employers and partners
 - Based on job descriptions
 - Competency-based
 - As generic as possible
 - Minimum age 16
- Submit standards with a training plan for each occupation and agreement signed by employer (EAA/ESA)





SBWIB Registered Occupations

- Bio-Manufacturing Technician
 (aka Production Technician) Time-based and competency-based
- Biomedical Equipment
 Technician (aka Biomedical Maintenance Technician) - competency-based
- Bio-Medical Quality Assurance
 Specialist (aka Inspector, Quality
 Assurance) competency-based
- Cyber Security Support
 Technician (aka Cyber Intel Security Analyst) - competency-based









CAREER PATHWAY APPRENTICESHIP PROGRAMS



Aero-Flex SBWIB Pre-Apprenticeships:

Aerospace Engineer • Assembler, Metal Building • Avionics Technician • Industrial Manufacturing Technician • Machine Operator I • Machinist (Includes NIMS) • Metal Fabricator • Numerical Control Machine Operator • Quality Control Inspector • Tool Programmer, Numerical

All of the below apprenticeships are registered with US DOL (United Stated Department of Labor)

Bio-Flex SBWIB Pre-Apprenticeship & Registered Apprenticeships:	O-Net Code	Rapids Code
Bio-Production Technician (Bio-Manufacturing Technician)*	19-4021.00	1103CB
Biomedical Equipment Technician iaka Biomedical Maintenance Technician)*	49-9062.00	0888
Biomedical Equipment Technician (aka Bio Medical Maintenance Technician)	49-9062-00	0888CB
Inspector, Quality Assurance (aica Bio-Medical Quality Assurance Specialist)	13-1041 04	0992CB
*Registered with DAS (Department of Apprenticeship Standards)		
IT-Flex SBWIB Registered Apprenticeship:		

1. Cuber Infol Security Applied (also Cuber Security)

 Cyber Intel Security Analyst (aka Cyber Security Support Technician) 15-1212.00

2050CB

SBWIB Partners

ToolingU SME	O-Net Code	Rapids Code
Aerospace Engineer*	17-2011.00	2069HYB
2. CNC Operator - Milling and Turning*	51-4034.00	1094CB
Industrial Engineering Technician (Aerospace Quality Assurance Technician)	17-3026.00	0259CB
Industrial Machine System Technician*	49-9041.00	1037HYB
5. Tool and Die Maker	49-9041.00	0586
*Registered with DAS (Department of Apprenticeship Standards)		
West LA College		
Aircraft Structures Mechanic	51-2011.00	0876CB
Industrial Manufacturing Technician	17-3029.09	2031CB
Calibration Technician (aka Instrumentation Technician)	17-3023.02	0255CB
All registered with DAS (Department of Apprenticeship Standards)		

El Camino College	O-Net Code	Rapids Code
CNC Operator – Milling and Turning (aka Aerospace CNC Machining Technician	51-4034.00	1094CB
IT Lab Technician (aka Aerospace Electronics Technician)	17-3023.01	1069CB
Electromechanical Technician (aka Aero- space Electromechanical Technician)	17-3024.00	0167CB

All registered with DAS (Department of Apprenticeship Standards)

SWAG - Strong Workforce Apprenticeship Group

Tool Programmer, Numerical	51-4012	0690
Numerical Control Machine Operator	51-4011.00	0845R
Metal Fabricator	51-2041.00	0325
4. Machinist	51-4041.00	0296R
5. Quality Inspector	51-9061.01	0936
Machine Operator I	51-4081.01	0511
7. Industrial Manufacturing Technician	17-3029.09	2031HY
Assembler, Metal Building	47-2221.00	0877
Cyber Security Support Technician	15-1122.00	

All registered with DAS (Department of Apprenticeship Standards)

Goodwill Southern California's Apprenticeship Program - SWAG

COOGWIII SOUTHERN CAMOTHIA'S APPRENTICESHIP I TOGTAIN - SWAO					
CNC Set-Up Programmer	51-4012.00	1100CB			
2. Numerical Control Machine Operator	51-4011.00	0845R			
Quality Inspector	51-9061.01	0936			
Machine Operator I	51-4081.01	0511			
5. Industrial Manufacturing Technician	17-3029.09	2031HY			
Manufacturing Production Technician	17-3029.09	2031CB			
7. Tool and Die Maker	51-4111.00	0586CB			
Stamping Press Operator	51-4031.00	0298CB			
9. Industrial Maintenance Mechanic	49-9041.00	0308CB			
10. Mechatronics Technician	49-2094.00	2014CB (fitter)			
11. Mechatronics Technician	49-2094.00	2014CB (installe			

SBWIB Pending Occupations

- Digital Accessibility Specialist
- Quantum Computing
- IT Programming & Coding
- Assembly
- Clinical Laboratory Scientist
- Certified Nursing Assistant
- Social Worker
- Child Development

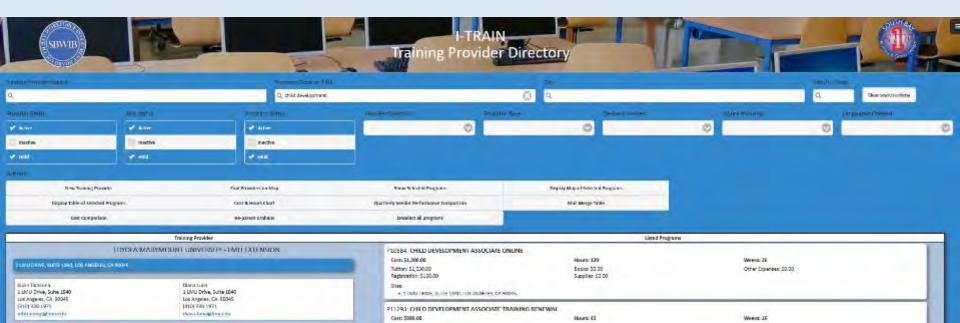






3. Register Program & Occupations - ETPL

- Registered apprenticeships are automatically eligible for the ETPL (per state and federal ETPL Policy)
- Email EDD to get on State ETPL: <u>wsbetpl@edd.ca.gov</u>
- Get on your local ETPL





4. Marketing the Program









www.sbwib.org/aero-flex
Bio-Flex
www.sbwib.org/bioflex
SBWIB YouTube Channel





An Earn and Learn Model to Improve Your Metalworking & Quality Control Skills

Aero-Flex Pre-Apprenticeship

- Enhance your career
- Earn a \$500 stipend upon completion
- Industry recognized credentials
- Gain access to ToolingU courses for 1 year
- 1 year membership in Society of Manufacturing Engineers
- Stackable credentials that lead to apprenticeships in:
 - Engineering Technology
 - CNC Machining Technician
 An Engineering Degree
 - Quality Control
 - Management



To apply, contact: Christine Thompson Enus: CThompson@alardmachine.com Or call her on extension 29



This WOOA fills I financially excited program or activity it an equal opportunity employer/program. Auxiliary subjective, are available upon request to individuals with disabilities by calling in advance to CHS 1-800-755-2022 or 310-600-3700.





Bioscience

Thermo Fisher

Augment your Internship Experience with a Bio-Flex Pre-Apprenticeship



Bio-Flex

Pre-Apprenticeship

3 TRACK PRE-APPRENTICESHIP

- TRACK I Work readiness skills
- TRACK II Industry-specific technical skills
- . TRACK III Your internship at ThermoFisher



BENEFITS

- Your paid internship at ThermoFisher
- Stackable, industry recognized, credentials portable within the Biosicence industry
- ✓ A capstone Pre-Apprenticeship certificate
- Add marketable skills and credentials to your resume
- ✓ Earn while you learn!





Israel Rodriguez

South Bay Workforce Investment Board Email: info@sbwib.org; Phone: (818) 661-0784 or (310) 970-7700 Visit: www.sbwib.org/bioflex

Contact Information















This WIOA Title 1 financially assisted program or activity is an equal opportunity employer/program. Auxiliary aids and services are available upon request to individuals with disabilities by calling in advance to CRS 1-800-735-2922 or 310-680-3700.

SOUTH BAY WORKFORCE



INVESTMENT BOARD

A WORKFORCE DEVELOPMENT BOARD

Job Searching













Welcome

Congratulations on being ready to advance your career by participating in the SBWIB Job. Purtail Your updated resume and notes within the portal will tell prospective employers. about your skills and why they should hire you.

If you need assistance updating your resume, contact us. For those who completed Blueprint for Workplace Success, you already have the tools to refresh or create a dynamic resume.

New Users:

- Register by clicking the Resume Portal button below
- Fill in all blank cells by creating a User ID and Password
- Then, login and complete all blank cells

Returning users:

- Enter the Username and password previously created







Download flyer here

Additional Resources

Aero-Flex

Blo-Flex

Blueprint for Workplace Success.

Individual Services

South Bay Business Resources

5. Recruit & Enroll **Participants**

- Resume Portal (www.sbwib.org/resumeportal)
- **Employers**
- **Partners**
- AJCC'S







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Enrolling Participants

- Complete Apprenticeship Agreement (DOL 671, DAS-1) and digitally signed
- Assess need and eligibility for supportive services
- Identify Credit for Prior Learning
 & Credit for Prior Experience
- Identify initial training provider(s)
- Enroll in online system (DOL RAPIDS, CA DAS)







Managing Participants

- Regular check-ins with employer, document progress
- Enroll in supportive services if needed
- Can suspend or transfer apprenticeship
- Document completion with DOL/DAS







Online Narrative Reporting Tool

Grant period of performance end : 06/30/2021 Grant project name:	DOL Grant FOA: FOA-ETA-18-08	Grant number:	Grant name: Scaling Apprenticeships in America	Grant recipient name:
Grant project name:	FOA-E7A-18-08	HG-33046	Contra Approximachine in America	The state of the s
			Scaling Apprenticeships of America	West Las Angeles College
				Sub recipient name:
Growing Advanced Manufacturing Apprentices	Across America (GAMAAA)			WBs: South Bay Workforce Investment Board (SBWB)
Submitt	er phone	Submi	tter email	
(323) 26	5-8998	āklaw	n@sbwib.org	
Contact	phone	Conta	t email	
(310) 97	0-7700	ccagle	@sbwib.org	
ing undertaken to meet goals for the p th the grantee and any sub-grantees, if ation about service and training activiti y under which the grant was awarded, s offered in the quarter, s ability to fully participate in grant-fun port on the above items relative to pre Employment Program (SCSEP) grantee of community service assignments; and	erformance year if projected g applicable. es and outcomes to supplemer grantees that are providing su ded activities. vious reports should indicate s s, please provide information	nt the data submitted on the Q pportive services and specialize so, in addition to indicating the	uarterly Performance Report. d participant services, should include: reason for their lack of changes.	
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	Submitti (323) 288 Contact (310) 970 ant activities, including planned and act eing undertaken to meet goals for the p th the grantee and any sub-grantees, if ation about service and training activiti by under which the grant was awarded, es offered in the quarter, ts ability to fully participate in grant-fun eingent on the above items relative to pre e Employment Program (SCSEP) grantee of community service assignments; and recruited	Submitter phone (323) 265-8998 Contact phone (310) 970-7700 ant activities, including planned and actual progress. Grant activities is a contact phone (310) 970-7700 cant activities, including planned and actual progress. Grant activities is a contact phone (310) 970-7700 cant activities, including planned and actual progress. Grant activities is a contact phone in the grant activities and actual progress. Grant activities is a contact phone in the grant activities and outcomes to supplement the grant was awarded, grantees that are providing supplement which the grant was awarded, grantees that are providing supplement of the quarter, the grant provided activities are provided indicated activities. The grant program (SCSEP) grantees, please provide information of community service assignments; and recruited appears to start using in the next quarter. Additionally, the contact phone is a contact program of the digital enrollment platform to allow participants and employers to start using in the next quarter.	Submitter phone Submit (323) 265-8998 Contact phone Contact (310) 970-7700 ccagle ant activities, including planned and actual progress. Grant activities should be aligned with the goals cartnership development and coordination; eing undertaken to meet goals for the performance year if projected goals for the quarter are not cur th the grantee and any sub-grantees, if applicable. action about service and training activities and outcomes to supplement the data submitted on the Qu by under which the grant was awarded, grantees that are providing supportive services and specialize as offered in the quarter, ts ability to fully participate in grant-funded activities. Employment Program (SCSEP) grantees, please provide information on the current quarter regarding frommunity service assignments; and frecruited Topment of the digital enrollment platform to allow participants and employers to complete all the paperwork signats and employers to start using in the next quarter. Additionally, the SBWIB continued to refine the re-	Submitter phone Submitter email (323) 265-8998 Contact phone Contact email (310) 970-7700 Coagle@sbwb.org and activities, including planned and actual progress. Grant activities should be aligned with the goals and objectives outlined in your grant Signary and the grantee and any sub-grantees, if applicable. activities and outcomes to supplement the data submitted on the Quarterly Performance Report. By under which the grant was awarded, grantees that are providing supportive services and specialized participant services, should include: as offered in the quarter, as ability to fully participate in grant-funded activities. Beginn on the above items relative to previous reports should indicate so, in addition to indicating the reason for their lack of changes. Employment Program (SCSEP) grantees, please provide information on the current quarter regarding. Of community service assignments; and precipate in the next quarter of the digital enrollment platform to allow participants and employers to start using in the next quarter. Additionally, the SBWIB continued to refine the resume portal, which is used to manage general activities and contents and employers to start using in the next quarter. Additionally, the SBWIB continued to refine the resume portal, which is used to manage general activities and contents and employers to start using in the next quarter. Additionally, the SBWIB continued to refine the resume portal, which is used to manage general activities.

- A. Provide any updates for the progress of the ETA approved grant timeline/work plan, including program activities, key deliverables and products available this quarter and in future quarters for broad dissemination to the workforce system, if applicable. This includes identifying products and deliverables available for broad distribution via ETA-hosted web sites and other communication vehicles.
- B. Utilize the timeline in the grants SOW to identify all major program activities and training for the reporting quarter. The timeline will paint a picture of project flow that includes start and end dates, schedule of activities, and projected outcomes. It is important that the timeline be updated each quarter noting the actual date of each activity's completion as accomplished.
- C. The following items will be assessed during the progress of the grant: project goals, benchmarks, milestones, special events, important deadlines, and deliverables.
- D. Include any challenges or concerns the project has encountered that may have affected or slowed grant progress of the timeline/workplan and how the project intends to resolve them
- E. Describe the next steps or key areas of emphases planned for the project in the next quarter.





Funding Apprenticeship

Braid, blend and align:

- WIOA funds
- Other federal funds (DOL, VA, etc.)
- State grants
- Community college grants
- City and county funds
- Foundations (corporate and private)















Apprenticeship Funding

Grant	Eligibility	Funding
DOL Growing Advanced Manufacturing Apprentices Across America	 Engineering & Technology, Manufacturing & Production, IT Support roles Registered or unregistered Anywhere in U.S. 	\$1,000 per apprentice
DIR State Apprenticeship Expansion, Equity & Innovation	 Advanced Manufacturing; Healthcare; IT; Energy; and Arts, Media & Entertainment Apprenticeship registered with DAS since 7/1/21 Anywhere in CA 	up to \$3,000 per apprentice
Irvine Foundation	 hiring low-income women or women of color Advanced manufacturing (includes support roles) LA County 	\$2,160 towards salary upon hire
CA Community College Chancellor's Office California Apprenticeship Initiative	Healthcare and IT sectorsLA County	\$1,000 per apprentice















Success Story: Edwin Gamez









SOUTH BAY WORKFORCE INVESTMENT BOARD

Putting people to work; helping business succeed.

Help Support our work to keep people employed.



QUESTIONS?

Chris Cagle, ccagle@sbwib.org

Deborah Shepard, dshepard@sbwib.org

Amelia Klawon, aklawon@sbwib.org

310-970-7700

www.sbwib.org