



SOUTH BAY WORKFORCE INVESTMENT BOARD

Putting people to work; helping business succeed.
Help Support our work to keep people employed.



Pre - Apprenticeship & Apprenticeship

Chris C Cagle

Regional Affairs Manager,
South Bay Workforce Investment Board





An Innovative Employer-Driven Workforce Development Pipeline Program



What is Aero-Flex and Bio-Flex?

AERO/Bio



- A workforce and pipeline development program for Industry that creates a career pathway for individuals .

FLEX



- Includes the ability for Employers to select curriculum and “FLEX” the framework to meet their needs.

Meeting Employer Needs is a Core Goal
therefore *flexibility* is key.

Apprenticeship Advisory Committee



BACHEM

ThermoFisher
SCIENTIFIC

PASADENA BIO
COLLABORATIVE INCUBATOR



Other Partners: Freudenberg Medical, Sakura Finetek, EvoRx, Phenomenex



The Flexible **Pre Apprenticeship** curriculum consists of three learning tracks:

Track I; Work readiness skills training

Track II; Industry specific occupational skills training

Track III; Work Based Learning (OJT)

Student Benefits:

- Work readiness certificate
- Training certificate
- \$500 Stipend or Paid work experience
- Industry recognized certificate
- On-the-job training experience



Aero-Flex & Bio-Flex Virtual Pre-Apprenticeships

Aero-Flex & Bio-Flex Virtual Pre-Apprenticeships



www.sbwib.org/aero-flex

www.sbwib.org/bioflex

Virtual Opportunities for those interested in a career in the Aerospace or Bioscience Industry

- Learn about exciting careers with our 100% Virtual Pre-Apprenticeship Programs!
- Connect with the industry's top employers
- Gain real world experience exploring career tracks
- Earn industry-recognized, stackable credentials
- Continue to college, a registered apprenticeship, and/or employment
- Explore work based learning opportunities

Youth Requirements to enroll into SBWIB Apprenticeship Programs:

- Must be from ages 14-24
- Live in Los Angeles County
- Other eligibility criteria may apply

Now Accepting Applications:

Complete Interest Form at - tinyurl.com/VirtualPre-Apprenticeship



A WORKFORCE
DEVELOPMENT BOARD

Questions about enrolling? Contact us at
Email: sprojectssupport@sbwib.org



America's Job Center
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Online Class Designed for Aero-Flex



AEROSPACE 101

In Partnership with ToolingU-SME

Want to learn the ins and outs of the aerospace industry?

What is Aerospace:

Aerospace is a dynamic and diverse field that encompasses all the research, design, manufacture, and operation of aerospace products and related systems.

What you will learn:

In this course, you'll get an introduction to the history, products, and career opportunities in this growing, versatile field.

SIGN UP FOR THIS FREE ONLINE COURSE TODAY!

www.sbwib.org/aero-flex



South Bay Workforce Investment Board

Phone: 310-970-7700

Email: info@sbwib.org



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.



Bio-Flex
Virtual
Pre-Apprenticeships
Grads



Now working on developing Youth Apprenticeships Programs

BIO FLEX

Pre-Apprenticeship

CERTIFICATE OF COMPLETION

THE BIO-FLEX UNILATERAL APPRENTICESHIP COMMITTEE CONFIRMS THAT:

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

UNILATERAL APPRENTICESHIP COMMITTEE

BACHEM

ThermoFisher
SCIENTIFIC

PASADENA BIO
COLLABORATIVE INCUBATOR

PolyPeptide
GROUP

OAK CREST
INSTITUTE
SCIENCE

protomer
technologies

Rx FOUNDATION
FUNDING HEALTHCARE INNOVATORS

FREUDENBERG
MEDICAL

BIOCOM

LAEDC **LOS ANGELES COUNTY**
ECONOMIC DEVELOPMENT CORPORATION
Advancing Opportunity and Prosperity for All



A WORKFORCE
DEVELOPMENT BOARD



WDACS
WORKFORCE DEVELOPMENT
AGING & COMMUNITY SERVICES

CSUDH
CALIFORNIA STATE UNIVERSITY - DOMINGUEZ HILLS

West
LA COLLEGE

TFP
TRAINING
FUNDING
PARTNERS



America's JobCenter
of California™

Aero-Flex

Graduation/
Certificates/
Stipend \$300-500

AERO-FLEX Pre-Apprenticeship CERTIFICATE OF COMPLETION

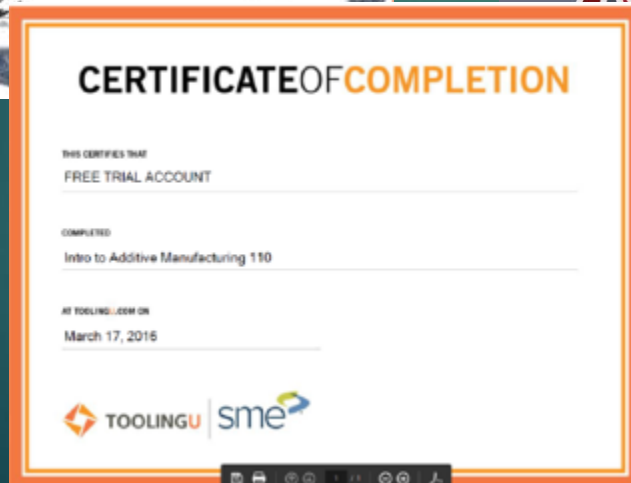
THE AERO-FLEX UNILATERAL APPRENTICESHIP COMMITTEE CONFIRMS THAT:

NAME

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

DATE

UNILATERAL APPRENTICESHIP COMMITTEE



Bio-Flex Pre-Apprenticeship & Apprenticeship Occupations

- Production / Manufacturing Technician
- Maintenance Technician
- Quality Control Analysts / Lab Technician
- Lyophilizer Maintenance Engineer

www.sbwib.org/bioflex

Aero-Flex Apprenticeship Occupations

- Aerospace Engineer
- CNC Machine Operator
- Industrial Machine System Technician
- Industrial Engineering Technician
- Aerospace Electronics Technician
- Aerospace CNC Machining Technician

www.sbwib.org/aero-flex



TOOLINGU



America's **JobCenter**
of CaliforniaSM



Participant Recruiting



AERO-FLEX
PRE-APPRENTICESHIP

AERO-FLEX
APPRENTICESHIP

**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
Email: CThompson@alardmachine.com
Or call her on extension 29



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ATTENTION: High School Students

Get Industry Exposure
with a Bio-Flex
Pre-Apprenticeship

BACHEM

PIONEERING PARTNER FOR PEPTIDES



Bio-Flex

An Earn and Learn Bioscience Pre-Apprenticeship

3 TRACK PRE-APPRENTICESHIP

- **TRACK I** - Work readiness skills
- **TRACK II** - Industry-specific technical skills
- **TRACK III** - Your internship at **Bachem**

BENEFITS

- ✓ Work based learning experience
- ✓ Your **paid internship at Bachem**
- ✓ Stackable, industry recognized, credentials portable within the Bioscience industry
- ✓ A capstone Pre-Apprenticeship certificate
- ✓ Add marketable skills and credentials to your resume
- ✓ Earn while you learn!



Contact Information

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



A WORKFORCE
DEVELOPMENT BOARD



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of California



LOS ANGELES COUNTY
ECONOMIC DEVELOPMENT CORPORATION
Advancing Opportunity and Prosperity for All



BIOCOM



WDACS
WORKFORCE DEVELOPMENT
AGING & COMMUNITY SERVICES

CSUDH
CALIFORNIA STATE UNIVERSITY, DOMINGUEZ HILLS

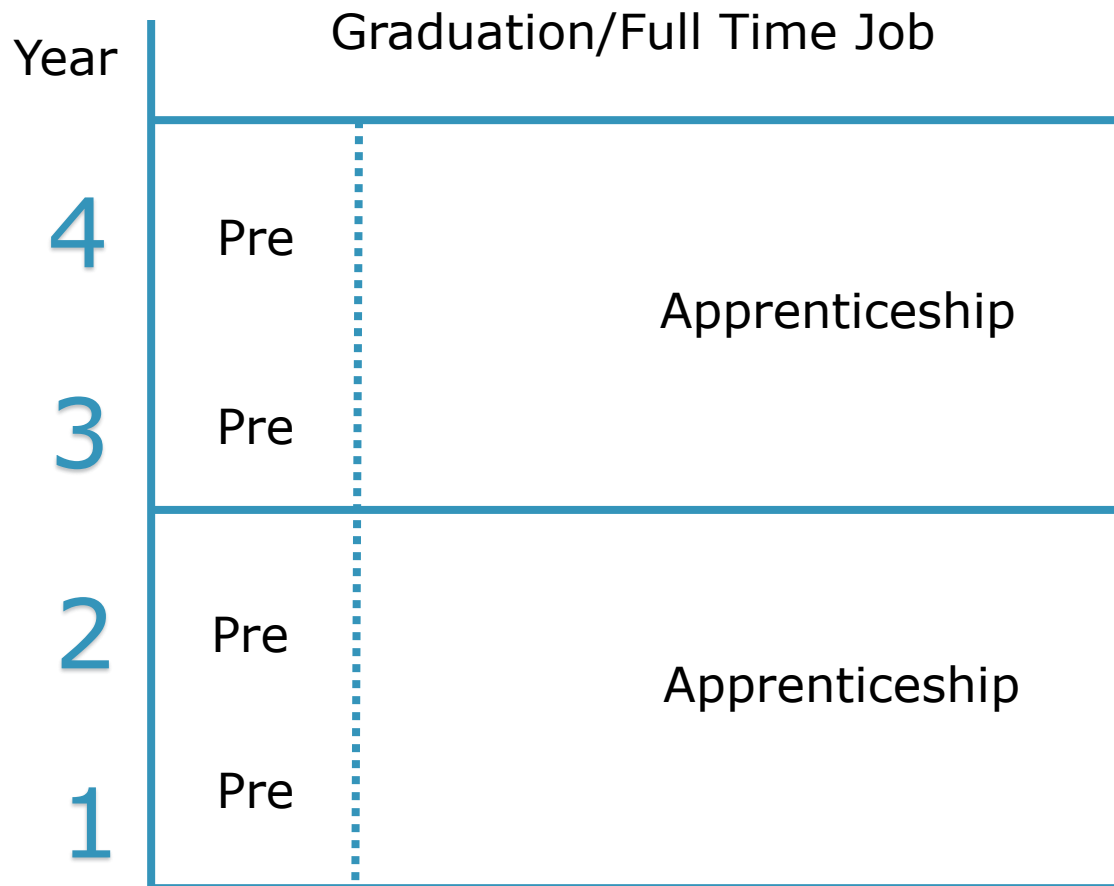
West
LA COLLEGE

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Using Apprenticeship as a Strategy for Workforce and Pipeline Development

Using Apprenticeship as a Strategy for Workforce and Pipeline Development

College or University Education



Pre – Apprenticeship / Apprenticeship High School Level

\$12 Million Grant

Apprenticeship

- ▶ Awarded by the U.S. DOL to West LA College / SBWIB
 - ▶ Only grant awarded California
- ▶ **5,000 workers** into pre-apprenticeship and apprenticeship roles in **Advanced Manufacturing Nationwide – Aerospace and Bioscience**



CONTACT INFORMATION

CHRIS CAGLE

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(310) 970-7700 - info@sbwib.org

www.SBWIB.org



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