

2014 Fall Newsletter



Stay Connected with AJAC:



AJAC creates and implements apprenticeship programs in partnership with employers, community/technical colleges, high schools and skills centers to train the new generation of highly skilled aerospace and advanced manufacturing workers in Washington State.

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What AJAC Apprentices Are Saying:



"...AJAC's program helped me turn my job into a career..."

Brian Helmbrecht - Machining Center Technician - Orion

"I've gone from the bottom, basically a dead end career, to being able to go anywhere and be paid well. That wouldn't have happened

New AJAC Video: The Value of Aerospace and Manufacturing Apprenticeships to Washington State

Check out the [new video](#) AJAC just created, "[The Value of Aerospace and Manufacturing Apprenticeships to Washington State](#)". Hear from AJAC apprentices on how they use apprenticeship to advance in their career, improve their quality of life, become self-reliant, increase their confidence and better support their families.



[Value of Aerospace and Manufacturing Apprenticeships to Washington State](#)

Also learn how AJAC's apprenticeship enabled Washington State aerospace and advanced manufacturing companies to achieve an ROI on their employee training and increased their productivity and competitiveness in the market place.

Buyken Metal Products and AJAC Host Successful 'National Manufacturing Day' Event for Kent, WA Area High School Students

without this." - Josh Rinehart
- Machinist Machinists Inc.

"...Because of this program, I now have a career, not just a job. I'm learning skills I can use throughout my life that will help me stay competitive in my industry and make me an asset to my company..."

Miley Johnson - Sheet Metal Technician - Orion

"...My initiative to participate in the program earned me an immediate promotion to part-time CNC programmer and draftsman, allowing me to expand my current knowledge in machining...My career has become more of a hobby to me than work."

*Anthony Green -
Machinist/Programming Apprentice Exact Aerospace*

"The skills I've gained in the AJAC program through manufacturing basics and lean manufacturing has helped me improve my efficiency and problem solving abilities during production..."

Dan Porter - Machinist Seattle Lighthouse for the Blind, Inc.

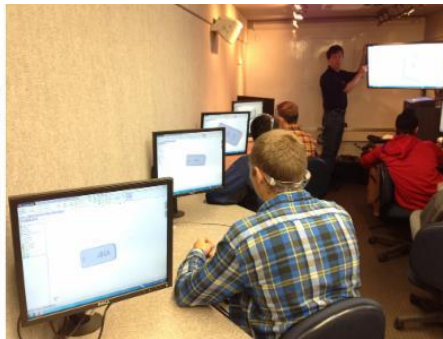
What AJAC Employers Are Saying:





Buyken Metal Products and the Aerospace Joint Apprenticeship Committee (AJAC) came together on October 3rd for National Manufacturing Day - a nationally recognized day dedicated to addressing the misperceptions about manufacturing by giving manufacturers an opportunity to open their doors and show, in a coordinated effort, what manufacturing is - and what it isn't.

Two Kent, WA high schools, Kentridge and Kentwood, participated in a fun-filled morning of tours, manufacturing projects and presentations at Buyken's facility and on AJAC's Advanced Inspection and Manufacturing Mobile Training Unit (AIM-MTU). The students were inspired to consider a career in today's modern manufacturing environment and discover how apprenticeship can serve as a pathway to manufacturing careers including precision metal fabrication, machining and more.



Buyken, an AJAC Participating Employer and Washington State metal products manufacturer in Kent, offered students the opportunity to build a metal airplane while they toured each area of the facility. Students learned first-hand how different machines, including punch presses, press brakes, laser cutters and laser-guided inspections complete a manufacturing process from start to finish.

AJAC invited students to climb aboard its AIM-MTU and design their own key chains using Computer Aided Design (CAD) software, specifically, SolidWorks. Students also observed how a key chain is printed three-dimensionally.

"The apprenticeship educates them in everything, and gives you much more well-rounded employees, capable of filling any void that comes up...Its a real solid path to better pay."

*Jeff Tomson -
Engineer/Marketing
Machinist, Inc.*

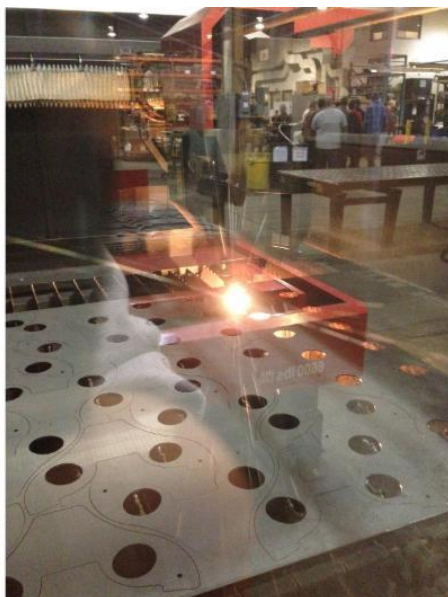
"...This program can take someone with basic skills, and turn him or her into an invaluable employee and a vital asset to our company. As we expand and grow as a company, this program should also help us attract better qualified entry level candidates."

*Kerry Prewett - President TK
Machine Co.*

"Our Production Manager stated that this group of graduates has raised the bar. The quality of these three graduating machinists is superior to what we've experienced in the past."

*Janie Vigil, Human Resources
Director - Cadence Aerospace.*

"The value I believe the AJAC apprenticeship program provides to Damar AeroSystems is the ability to upgrade the skills



This year, over 1,600 manufacturing companies celebrated National Manufacturing Day by participating in open houses, public tours, career workshops and other events that 100,000+ people attended across all 50 states. AJAC is dedicated to taking part in National Manufacturing Day each year with the intention of inspiring young people to pursue careers in manufacturing through apprenticeship.

AJAC Launches New Industrial Maintenance Mechanic Apprenticeship Program



Industrial Maintenance Mechanics (IMM) are needed in every industry that uses machinery, from food processing, assembly plants to power manufacturers. IMM is expected to grow rapidly over the next several years with a large number of job openings both locally and nationally due to the

technological advances of industrial equipment and manufacturing. According to the [Washington State Employment Security Department, Labor Market and Economic Analysis Branch](#), Washington State will need 6,800 IMM's by 2020, a 15% increase over the next six years.

The [Aerospace Joint Apprenticeship Committee \(AJAC\)](#) is thrilled to announce the start of our its [IMM apprenticeship program](#) this winter in Pierce, King and Snohomish Counties. AJAC's IMM apprentices will spend [8,000 hours](#) of supervised On-the-Job (OJT) training at a [participating employer's \(Training Agent\)](#) job site and attend class one night a week to learn the theory and practical application behind their training. Upon graduation, the apprentices will receive their nationally-recognized Journey-Level card and earn 60 college credits which they can apply towards a two-year degree that may articulate into a four-year degree. This will help open doors to careers in technical education instruction, engineering and management.

of our workforce and therefore create better educated and trained employees..."

Sharon Black - Human Resources Manager - Damar AeroSystems

Quick Links



[AJAC is HIRING!](#)



Department of Commerce
Innovation is in our nature.

[Washington State Department of Commerce](#)



Washington State Department of Labor & Industries

[WA State Labor & Industry](#)



[Greater Spokane Incorporated](#)



[Center of Excellence for Aerospace and Advanced Materials Manufacturing](#)



[Pacific Northwest Aerospace Alliance](#)



MANUFACTURING INDUSTRIAL COUNCIL

[Manufacturing Industrial Council](#)



IMM is an occupation that requires a diverse skill set including proficient use of tools, technology and processes:

- Lifting and Rigging
- Maintenance Machining
- Welding
- Machine Automation
- Electrical Systems
- Mechanical Systems
- Hydraulic and Pneumatic Systems

AJAC's IMM program will give apprentices the opportunity to learn and/or enhance their knowledge in the maintenance, installation and repair of machinery and equipment. In addition to gaining a solid foundation in electrical, hydraulic, pneumatic and mechanical systems, apprentices will use mills, lathes, welders, CNC technology, automation and programmable logic controllers to create a closed-loop system.

Find out how an [AJAC apprenticeship program works](#) or [contact AJAC](#) today to learn how you can enroll your employees in our Industrial Maintenance Mechanic apprenticeship program!

South Seattle College and AJAC's "Industrial Manufacturing Academy" Recipient of 2013 Credit Exemplary Program Award



[Council for Workforce Education](#) selected IMA because of the successful partnership and collaborative efforts of South Seattle College, AJAC and local area employers.

[South Seattle College](#) and the [Aerospace Joint Apprenticeship Committee \(AJAC\)](#) are thrilled to announce that the [Industrial Manufacturing Academy \(IMA\)](#) has been selected as the recipient of the [2013 Credit Exemplary Program Award](#). The [National](#)



[Apprenticeship & Nontraditional Employment for Women](#)



[Inland NorthWest Aerospace Consortium](#)



[The Museum of Flight](#)



[Washington Aerospace Scholars](#)

The AJAC Mission:



AJAC's Mission is to provide exceptional and responsive apprenticeships, innovative supporting signature training programs with cutting edge curriculum and highly effective trades trainers.

AJAC offers a method for transferring the breadth and depth of knowledge and skills between generations of the workforce, thus promoting the value of contributing to the next generation.

AJAC brings about a significant



South Seattle College and AJAC collaborated to offer the Industrial Manufacturing Academy to prepare individuals for entry-level positions in the aerospace and advanced manufacturing industries. "The employer driven curriculum and industry expert trainers are the backbone to IMA's success," said [AJAC's Executive Director, Demetria "Lynn" Strickland](#). "The partnership between AJAC, South Seattle College and local area employers is just one example of collaboration that is truly making a positive impact for the local aerospace and manufacturing communities and the Washington State workforce."

In addition, IMA provides its students with a pathway to either enter an AJAC apprenticeship program or continue their secondary education at one of the state's community or technical colleges. "This is truly an employer driven program that leads to family wage jobs and apprenticeship for our students," says Dr. Holly Moore, Executive Dean for the Georgetown Campus. South Seattle College and AJAC received this award on October 31st during the National Council for Workforce Education conference in Pittsburgh, Pennsylvania.

Pioneer Human Services' CEO Recipient of 2014 "Women of Influence" Award



[Pioneer Human Services'](#) CEO, Karen Lee, will be honored as one of the Puget Sound Business Journal's (PSBJ) 2014 "[Women of Influence](#)" on November 18th. In its eleventh year, the PSBJ "Women of Influence" award is given to a select group of businesswomen, community leaders and philanthropists in the Puget Sound region who have made significant contributions to their local region and economy.

Pioneer Human Services has participated in AJAC's Machining (Aircraft Oriented) and Precision Metal Fabrication apprenticeship programs as a registered [Training Agent](#) since August 2009 and currently has eight employees enrolled as apprentices. Pioneer also utilizes AJAC's 10-week pre-apprenticeship program, the [Manufacturing Academy](#), to help prepare workers for entry-level positions in the manufacturing and aerospace industries.

and lasting impact on the prosperity of Washington State, empowering its diverse population of residents to thrive as craftspeople and attain secure family wage jobs through:

- *Dynamic career and educational pathways*
- *Corresponding wraparound support services*
- *Smooth pipelines connecting employers with the next generation of workers and where preschool and K-12 students and their influencers see aerospace opportunities as viable career path options*
- *Advocating for recognition and financial support of training in aerospace and manufacturing*
- *Expanding the diversity of people entering the trades*
- *Exploring opportunities for growth and collaborating with partners to form comprehensive solutions*



In her role as CEO, Lee has provided strategic leadership and direction for the organization's objectives of providing employment services, job training, treatment, counseling, housing, and re-entry services for people overcoming challenges with chemical dependency, mental illness, and criminal histories.

Aerospace & Manufacturing News

#ThinkApprenticeship #ThinkManufacturing

Below is a comprehensive list of aerospace, manufacturing and apprenticeship news from local, national and global publications!

Girls in STEM: A New Generation of Women in Science (via [The White House](#))

Girls in STEM shines a spotlight on the young female scientists and engineers of America who participated in The White House Science Fair last February. Their projects include: a machine that detects buried landmines, to a prosthetic hand device, to a lunchbox that uses UV light to kill bacteria on food.



Manufacturing Jobs for Women (via [Huffington Post](#))

While manufacturing has historically been a male-dominated field, it holds many great career opportunities for young women today. Read why 75% of women said their manufacturing career is interesting and rewarding.



Why an Apprenticeship May be a Faster Ticket to the American Dream than a College Degree (via [PBS](#))

In an extended conversation with a BWM apprentice, he explains why manufacturing is growing in the United States, and why the American dream is about a lot more than attaining a college degree



Expanding Apprenticeships is Worth the Investment (via [Urban Institute](#))

Apprenticeships are highly effective public investments, with evidence suggesting that for every public dollar invested, the public sees nearly \$28 in benefits.



AJAC Welcomes Our New Training Agents!

AJAC is excited to announce that the following employers have joined the apprenticeship as a registered [Training Agent](#).

Check out the full list:

Training Agent

Location

[J Lawrence Industries](#)

North Lakewood, Washington

[Extreme Industrial Coatings](#)

Airway Heights, Washington

[Gompf Bracket](#)

Mukilteo, Washington

[Pro CNC / Sequoia Engineered Solutions](#)

Bellingham, Washington

[Buyken Metal Products, Inc.](#)

Kent, Washington

[Get started](#) with AJAC's apprenticeship programs today!

**Machining, Aircraft Mechanics
and Precision Metal Fabrication**

APPRENTICESHIP

Get an ROI on Employee Training

**Low cost
to employer** **Reduced
turnover rates** **More Industrious
and loyal employees**



AJAC
Aerospace Joint Apprenticeship Committee

Find out how you can train your workforce now:
www.ajactraining.org/ROI • 509-533-8299

AJAC's Winter Apprenticeship Programs

Launch Next Month!

AJAC will kick-off its 2014 Winter Apprenticeship Programs in December as it continues to grow and expand reach in the aerospace and advanced manufacturing industries.

AJAC is thrilled to announce that **301** registered apprentices are currently enrolled in various AJAC programs including Machining (Aircraft Oriented), Precision Metal Fabrication, Tool & Die Maker Aircraft Mechanic Airframe and Industrial Maintenance Mechanic.

Find out how you can start an AJAC apprenticeship program at your company in four easy steps:



To start an AJAC apprenticeship program at your company, contact AJAC at 206-764-7940 or info@ajactraining.org.

Upcoming AJAC Events

January 27, 2015

Kent School District Annual Middle School Career Fair

Meridian Middle School - Kent, Washington

February 4, 2015

Kent School District "Beyond High School" Event

Kentwood High School - Covington, Washington

February 12, 2015

Enumclaw High School 2015 STEM Expo: Road to Code

Enumclaw High School - Enumclaw, Washington

February 18, 2015

Aerospace and Advanced Manufacturing Career Fair

Future of Flight Aviation Center - Mukilteo, Washington

February 24, 2015

General Services & Trades Job Fair

Worksource Renton - Renton, Washington