

WASHINGTON AEROSPACE & ADVANCED MATERIALS MANUFACTURING PIPELINE ADVISORY COMMITTEE

State Board for Community and Technical Colleges Advisory Committee Meeting

- Wednesday, May 15, 2024; 1:00-3:00pm
- Statutory Authority Laws of 2012, Chapter 28B.50.903 Revised Code of Washington
- Location: **Green River College - Auburn Center** (Room 240, 1221 D St NE, Auburn, WA 98002)
- Link to Location: <https://www.greenriver.edu/students/academics/auburn-center/>
- Hybrid Zoom: <https://us02web.zoom.us/j/88258858706> | Meeting ID: 882 5885 8706

Advisory Committee Meeting Agenda		
Time	Item	
1:00 p.m.	Call to Order, Welcome and Introductions <ul style="list-style-type: none"> • Welcome attendees (Zoom and In Person) 	<i>Ben Hempstead, Chair</i>
1:05 p.m.	Green River College - Auburn Center - Room 240 <ul style="list-style-type: none"> • Welcome – Dr. Johnson, President • Auburn Center: Discovery Center – Tsai-En Cheng, Dean of Branch Campuses • Aerospace High Demand 1000 FTES Presentation and Q&A – <ul style="list-style-type: none"> ○ Mechatronics - Will Sciacca, Mechatronics Faculty ○ Aero Engineering - Phillip Andrist, Engineering Faculty 	<i>Green River College - Auburn Center</i>
1:40	Aviation Center Tour Tad Henry, Aviation Faculty Approx. 30 minute tour - zoom pause	<i>Green River College - Auburn Center</i>
2:15 p.m.	Return to Business Session <ul style="list-style-type: none"> • Adopt Minutes, February 28, 2024 (below, pages 3-7) <ul style="list-style-type: none"> ○ Call for correspondence to be entered into the record ○ Are there members of the public wishing to make public comments? (If so, the public comment period will be at 2:55 p.m.) 	<i>Ben Hempstead, Chair</i>
2:20 p.m.	Reports: <ul style="list-style-type: none"> • Aerospace High Demand 1000 Full Time Annual Enrollments <ul style="list-style-type: none"> ○ Travis Dulany, Policy Research SBCTC presenting <ul style="list-style-type: none"> ■ All Monitored FTES ■ Probation FTES • Pipeline Committee Business 	<i>Genevieve Howard, SBCTC</i>

	<ul style="list-style-type: none"> ○ 2024-2025 Meetings <ul style="list-style-type: none"> ■ <i>Fall 2024 - October (TBD)</i> <ul style="list-style-type: none"> ● <i>October 15, 2024 (1-3pm)</i> ■ <i>Winter 2025 – January (Zoom)</i> <ul style="list-style-type: none"> ● <i>January 14, 2025 (1-3pm)</i> ● <i>January 21, 2025 (1-3pm)</i> ■ <i>Spring 2025 – May (TBD)</i> <ul style="list-style-type: none"> ● <i>May 6, 2025 (1-3pm)</i> ● <i>May 13, 2025 (1-3pm)</i> 	
2:30 p.m.	<p>Industry Round Table - Questions/Discussion/Thoughts from the Chair</p> <ul style="list-style-type: none"> ● Question from February: <ul style="list-style-type: none"> ○ <i>Tour Feedback</i> <ul style="list-style-type: none"> ■ <i>What questions arose as we listened and toured today?</i> ○ <i>How are we doing with raw materials?</i> <ul style="list-style-type: none"> ■ <i>What can the aerospace community do to support the CTC programs regarding raw materials, etc.</i> ■ <i>How are community colleges doing with procurement of needs?</i> 	<i>Group Discussion</i>
<i>Public comment period, if any – 2:55 p.m.</i>		
3:00 p.m.	Adjourn	Chair

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State Board for Community and Technical Colleges Advisory Committee Meeting

- Wednesday, February 28; 1:00-3:00pm
- Statutory Authority Laws of 2012, Chapter 28B.50.903 Revised Code of Washington

MEETING: 1:00 PM

Business Meeting:

Hybrid/Zoom Meeting Link: <https://us02web.zoom.us/j/84510274845>

Attendance: Adam Grim (*Machinists Institute*); Arlen Harris (*SBCTC*); Ben Hampstead (*Teague, Chair*); Dave Wallace (*WTB*); Dr. Lin Zhou (*Bates Technical College*); Garret Girad (*Boeing*); Genevieve Howard (*SBCTC*); Jackie Davis (*AMI Metals*); Joyce Hammer (*SBCTC*); Justin McCaffree (*Boeing*); Karin Gitchel (*SBCTC*); Larry Cluphf (*WATR Center Edmonds College*); Lynn Strickland (*AJAC*); Marie Bruin (*SBCTC*); Paul Francis (*SBCTC*); Robin Toth (*WA Dept of Commerce*); Rosemary Brester (*Hobart Machined Products*); Sam Herriot (*SBCTC*); Tia Rivera (*Boeing*); Travis Dulany (*SBCTC*)

Advisory Committee Meeting Agenda
Item
<p>Call to Order, Welcome and Introductions</p> <ul style="list-style-type: none"> ● Welcome Zoom participants. <ul style="list-style-type: none"> ○ Introductions of committee and staff attending ● Adopt Minutes, November 1, 2023 <ul style="list-style-type: none"> ○ <i>Call for correspondence to be entered into the record.</i> <ul style="list-style-type: none"> ■ <i>Moved: Rosemary Brester</i> ■ <i>Seconded: Larry Cluphf</i> ■ <i>0 Nay Votes</i> ■ <i>Approved by committee</i>
<p>Reports:</p> <p>Aerospace High Demand 1000 Full Time Annual Enrollments Redistribution Funding Opportunity</p> <ul style="list-style-type: none"> ● After receiving authorization from the Aerospace Pipeline Committee (Spring 2023), the FY24 Aerospace High Demand Redistribution cycle expanded to fourteen occupations available for CTCs to submit program applications. ● This application cycle received thirteen applications for competitive bid vying for the 91 FTES available. Following a robust criteria evaluation process, the Review Committee recommended six (6) programs from five (5) colleges for approval.

- In January 2024 the State Board allocated \$728,000 (91 FTES) for the FY24 Aerospace High Demand Redistribution allocation. See list for awards below.

Recommended for Funding:			
College	FY24 Aerospace HD 1000 FTES Program	Final Award	FTES
Bellingham Technical College	Machining Program Expansion	\$104,000.00	13
Clover Park Technical College	Bachelor of Applied Science-Mechatronics Engineering Technology and Automation	\$80,000.00	10
Clover Park Technical College	Manufacturing Engineering Technologies	\$200,000.00	25
North Seattle College	Electronics/Automation	\$120,000.00	15
Renton Technical College	Aerospace Welding Program Expansion	\$104,000.00	13
Spokane Falls Community College	CNC Machining Program	\$120,000.00	15
		\$728,000.00	91

- It was for requested further information regarding how the entire Aerospace High Demand 1000 FTES program is doing with enrollment. This information will help the committee put context to the 91 FTES recently awarded to see how many FTES are generated for Aerospace in the community and technical college (CTC) system annually.
- There was a query to the group for a definition on “advance manufacturing”. SBCTC shared that the term has varied meanings (Welding/Pneumatics/CNC Machining/Mechatronics), but a definition would require further research.
 - Advanced manufacturing encompasses many industries and there is work that could be done to seek how other states have defined the term.

CTC System Data: Fall 2023:

- System-wide headcount is up 8 percent; full-time equivalent (FTE) enrollment is up 7 percent.
- State-funded FTE enrollment is up 5 percent.
- Much of the system enrollment growth is attributable to Running Start and Adult Basic Education, specifically English Language Acquisition, enrollment increases.
- Headcount among students with a workforce intent, including apprenticeship, is up 3 percent; workforce FTE enrollment is up 5 percent.
- There is a BAS degree for Mechatronics offered at Clover Park Technical College; it was shared that continuations and transfers varies by program and pathway due to labor market trends. The credit equivalency work initiated by E2SSB 5764 and the revised apprenticeship program coding to clarify the inventory and enable financial aid opportunities for apprenticeship.

SBCTC Legislative Update

- The 2024 legislative session is projected to highlight several key issues:
 - HB 1889 which allows persons to receive professional licenses and certifications regardless of immigration or citizenship status which removes a roadblock to students in who completed their degree but could not complete licensing work for employment.
 - HB 2214 provides additional opportunities for students that qualify for SNAP benefits to automatically qualify for the Washington College Grant that supports students with tuition and funds for college.
- The work on the 2025 priorities has begun and there will be a focus on Bachelor Science programs such as computer science which continue to need significant investment to grow. The CTC system has 17 colleges with a Bachelor of Science in Computer Technology, and SBCTC is asking for additional investments in these programs.

- Other areas of interest include climate related programs (green jobs, green economy, climate); fully funding faculty and staff; continued funding for refugee education; and upscaling the current workforce with 8–10-week programs that put people quickly back into the workforce as other key issues in the 2025 legislation season.
- An industry partner shared that in their industry, they are struggling to find the staff to come into the trade and was curious if the workforce is having similar problems hiring educators to come do the work. It was shared that yes; the ctc system is feeling that strain and continues to ask legislators for support noting the recent support in healthcare for nursing program directors to have additional money to pay for nursing instructors.
- The colleges shared that they note that the salary is vastly different from industry to college educators. This coupled with qualified teaching experience makes hiring for key workforce programs difficult.

Industry Round Table - Questions/Discussion/Thoughts from the Chair

How is the industry going to handle not having a new airplane Program (on the commercial side) for a decade? How would a shift toward more defense focused work and away from commercial focused work affect training program enrollment and industry workforce recruitment and retention.

- AMI Metals shared that the company is seeing positive effects causing shops to diversify and look for new business opportunities. Working with multiple defense contracts and space, but also branching out to aluminum and searching for ways to grow.
- The Machinist Institute shared that from a curriculum standpoint this time period promotes creativity. They are looking at new technologies and excitement in the classroom around robotics, 3D printing, and other manufacturing tools to broaden the abilities of students. There is an opportunity to focus on green energy and green jobs.
- Boeing does not anticipate a large shift in their current workforce, as the skill set remains the same for entry level workers. The training they need to enter is the same and was created so that their skills would translate across diverse programs.
- Hobart Machined Products believes that the demand has not gone away. Machining is a skillset that goes across industry making parts is a transferable skill and can provide a long-term career path.
- AJAC concurred with the prior statements that materials might be a little different, but fundamentals remain the same. Opening the curriculum to community and technical colleges, apprenticeships, and to K12 has allowed for more students to know about the industry and train them.

How does the need to hire and the high turnover rate impact employee integrity and parts/service security? There have been a number of quality and security issues in our industry lately.

- If there aren't quality people to perform the tasks, they cannot deliver the service. We value partnership, we have a good names in the business, and we've had people hired away from us. We understand that others pay more but desire our reputations to continue to be strong, so we work to ensure that word of mouth and integrity of our employees is strong.
- It was identified that it takes longer to get the product delivered when there are issues and work to inform customers as quickly as possible. Our focus is on a quality product. It is important to deliver good parts each time. Every single platform has different quality requirements, so our system multiple quality check points and inventory.

- The market is the biggest concern; quality and safety requirements must be met due to the recent issues, and this will impact costs which companies are looking for ways to absorb.
- The supply chain updating digital tools will be critical considering the platform upgrades and the digital tools that each client requires for projects.

2023-2024 Meetings

1. **Next Meeting**
2. Spring 2024 - May 15, 2024
 - a. Time: 1:00 – 3:00 pm
 - b. In Person (Zoom available upon request)
 - c. Location: Green River College – Auburn Center

Adjourn