



# WASHINGTON AEROSPACE & ADVANCED MATERIALS MANUFACTURING PIPELINE ADVISORY COMMITTEE

State Board for Community and Technical Colleges  
Online Meeting

Advisory Committee Meeting: Wednesday, June 1, 2022; 1:00-3:00pm

Statutory Authority Laws of 2012, Chapter 28B.50.903 Revised Code of Washington

Zoom Meeting Link: [Zoom meeting](#)  
Meeting ID: 845 6448 4961  
Passcode: 213413  
Join by Phone: (253) 215-8782

June 1	Advisory Committee Meeting Agenda	
Time	Item	
1:00 p.m.	Call to Order, Welcome and Introductions <i>Jackie Davis, Chair</i> Adopt Minutes, March 16, 2022 minutes <ul style="list-style-type: none"> <li>• <i>Call for correspondence to be entered into the record</i></li> <li>• <i>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></li> </ul>	(action)
1:05 p.m.	New Member Introductions <ul style="list-style-type: none"> <li>• New members               <ul style="list-style-type: none"> <li>○ Erica Beckstrom – President, FIRST Washington</li> <li>○ Suzanne Johnson – President, Green River College</li> </ul> </li> </ul>	
1:10 p.m.	Election of Chair and Vice Chair  <i>Committee Bylaws</i> <ul style="list-style-type: none"> <li>• The officers shall be a chair and vice-chair. The voting members of the Committee will appoint the Chair from the roster of industry representatives serving on the committee.</li> <li>• The general committee chair and vice chair positions will be updated annually with the vice chair moving into the chair position and new vice chair being nominated by the voting members.</li> </ul>	(action)
1:30 p.m.	Director’s Report <i>Jan Yoshiwara, Executive Director</i>	

2:00 p.m.	Industry Roundtable <ul style="list-style-type: none"> <li>• Needed Math project update – Genevieve Howard and Jackie Davis</li> <li>• Continued engagement in the project – Rosemary Brester</li> </ul>	<i>(discussion)</i>
<i>Public comment period, if any – 2:55 p.m.</i>		
3:00 p.m.	Adjourn	

PLEASE NOTE: Times above are estimates only. The SBCTC reserves the right to alter the order of the agenda. Reasonable accommodations will be made for persons with disabilities if requests are made at least seven days in advance. Efforts will be made to accommodate late requests. Please contact the Workforce Education Office at 360-704-4336.

### Join Zoom Meeting

<https://us02web.zoom.us/j/88344081240?pwd=SXZiaHFUNGIqTEp1cmZhV3AvTi9GQT09>

Meeting ID: 883 4408 1240

Passcode: 179437

One tap mobile

+12532158782,,88344081240# US (Tacoma)

+13462487799,,88344081240# US (Houston)

Dial by your location

+1 253 215 8782 US (Tacoma)

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

+1 301 715 8592 US (Washington DC)

+1 312 626 6799 US (Chicago)

+1 646 558 8656 US (New York)

Meeting ID: 883 4408 1240

Find your local number: <https://us02web.zoom.us/u/kbvNvfwg6T>

Join by SIP

[88344081240@zoomcrc.com](mailto:88344081240@zoomcrc.com)

Join by H.323

162.255.37.11 (US West)

162.255.36.11 (US East)

115.114.131.7 (India Mumbai)

115.114.115.7 (India Hyderabad)

213.19.144.110 (Amsterdam Netherlands)

213.244.140.110 (Germany)

103.122.166.55 (Australia Sydney)

103.122.167.55 (Australia Melbourne)

149.137.40.110 (Singapore)

64.211.144.160 (Brazil)

149.137.68.253 (Mexico)

69.174.57.160 (Canada Toronto)

65.39.152.160 (Canada Vancouver)

207.226.132.110 (Japan Tokyo)

149.137.24.110 (Japan Osaka)

Meeting ID: 883 4408 1240

Passcode: 179437

# WASHINGTON AEROSPACE & ADVANCED MATERIALS MANUFACTURING PIPELINE ADVISORY COMMITTEE

State Board for Community and Technical Colleges  
Online Meeting

Advisory Committee Meeting: Wednesday, March 16, 2022; 1:00-3:00pm

Statutory Authority Laws of 2012, Chapter 28B.50.903 Revised Code of Washington

**Attendees:** Marie Bruin, Genevieve Howard, Becky Wood, Jan Yoshiwara, Larry Cluphf, Arlen Harris, Lin Zhou, Lynn Strickland, Rosemary Brester, Travis Dulany, Emily Wittman, Shana Peschek, Dave Wallace, Jackie Davis, Justin McCaffree, Robin Toth, Jason Petrait, Brandon Anderson, Scott Kennedy, Marcia Garrett, Ben Hempstead, Hilevy Koger

March 16	Advisory Committee Meeting Minutes	
Time	Item	
1:00 p.m.	<p>Call to Order, Welcome and Introductions - <i>Jackie Davis, Chair</i> Adopt Minutes, September 21, 2021 minutes</p> <ul style="list-style-type: none"> <li>• <i>Ben H moved to adopt</i></li> <li>• <i>Lynn S 2<sup>nd</sup> the motion</i></li> <li>• <i>Minutes adopted with no edits</i></li> </ul> <p>Introduction of Genevieve Howard new SBCTC committee staff. Genevieve is coming from Clark College in Vancouver where she spent 12 years as a workforce dean, associate vice president of instruction, and vice president of instruction. As a workforce dean she oversaw programs in Mechatronics, Welding, and Machining along with other workforce focused programs. In addition to her experience in higher education she served 4 years in the United State Air Force working as an aircraft mechanic. This background provides her with a unique understanding of workforce education within the aerospace sector.</p>	
1:10 p.m.	<p>Membership Update</p> <ul style="list-style-type: none"> <li>• New members <ul style="list-style-type: none"> <li>○ Erica Beckstrom – President, FIRST Washington <ul style="list-style-type: none"> <li>▪ Is replacing Erin McCallum who was the previous President of First Washington</li> </ul> </li> <li>○ Suzanne Johnson – President, Green River College <ul style="list-style-type: none"> <li>▪ Is replacing Dr. Daria Willis who has left the Washington State system. Green River College offers certificates and degrees in Aeronautical Science, Aviation Technology, Machining and</li> </ul> </li> </ul> </li> </ul>	

	<p style="text-align: center;">Manufacturing Technology, and Maintenance Mechatronics,</p> <ul style="list-style-type: none"> <li>○ Brandon Anderson – Legislative Director, SPEEA</li> <li>● Chair and Vice Chair nominations <ul style="list-style-type: none"> <li>○ Chair serves for 1 year</li> <li>○ Vice Chair serves for 1 year and then moves to the Chair position (serving 2 years total)</li> </ul> </li> </ul>	
--	---	--

<p>1:20 p.m.</p>	<p>Director’s Report <i>Jan Yoshiwara, Executive Director</i></p> <ol style="list-style-type: none"> <li>1. Legislative Session <ol style="list-style-type: none"> <li>a. Positive position from the Supplemental Budget with two major highlights; 1. Funding to increase enrollments; 2. Funding for outreach to low-income communities.</li> <li>b. \$7.2 million for Cyber security; increase capacity across the system</li> <li>c. \$2.2 million towards CDL programs; address the supply chain shortages and barriers that may be unseen when trying to expand existing programs.</li> <li>d. \$20 million towards Healthcare programs; a few highlights <ol style="list-style-type: none"> <li>i. \$3.8 million towards Nursing</li> <li>ii. \$8 million towards equipment/labs/simulators</li> <li>iii. \$8 million to invest in promoting Healthcare career fields in the low-income communities and increase enrollments from those communities.</li> </ol> </li> <li>e. \$1.5 million aimed at Climate Solutions curriculum/programs and completions</li> <li>f. \$1.7 million towards refugee aid and education; seeing what skills and education can translate to our system from their home countries.</li> <li>g. \$100,000 to all 34 community and technical colleges to expand on our pilot (8 colleges in pilot) to Supporting Students Experiencing Homelessness (SSEH) <ol style="list-style-type: none"> <li>i. Each college is at their own discretion on how they utilize the \$100,000 through local community partnerships or increasing access to existing programs that aid their homeless student population.</li> </ol> </li> </ol> </li> <li>2. Continuing Pandemic Impacts <ol style="list-style-type: none"> <li>a. Continuing to pivot to accommodate the changing climate and the pandemic; offering more online courses, and that option is still strong with our students as we come out of the pandemic.</li> <li>b. The technical courses are moving back to in person (following health guidelines) due to hands-on nature of courses and labs.</li> </ol> </li> <li>3. Enrollment trends moving forward <ol style="list-style-type: none"> <li>a. Enrollments still down from where were at in 2019; we are not trying to get back to those numbers, but we use that as a data reference point. Looking at our outreach strategies from 2019 and improving on them.</li> </ol> </li> </ol>	
------------------	---	--

	<ul style="list-style-type: none"> <li>b. Enrollments are slowly on the rise, working adults are the ones we are seeing return to college.</li> <li>c. Looking into the 40% of our high school CTE students that do not transition straight to college; where are they going? What can we do to bring them back to the college for credentials/degrees with such high wages out there at the moment?</li> <li>d. Did not see an increase in enrollments from unemployed workers during the pandemic. Seeing positions that were not filled prior to the pandemic being filled, we are looking to see how we are promoting credentials to advance it those positions.</li> <li>e. We know that childcare also impacted our enrollments; looking into promotions for working adults (30-40 years of age) that could acquire a credential while working and accommodate childcare concerns from our student.</li> </ul>	
<p>1:35 p.m.</p>	<p>SBCTC Staff report  <i>Arlen Harris and Genevieve Howard, SBCTC</i></p> <ul style="list-style-type: none"> <li>• Aero1000 enrollments <ul style="list-style-type: none"> <li>○ Enrollments 2021-22 Academic year through Fall (which is 50% of the academic year) we are at 18% of enrollment target.</li> <li>○ This is compared to 70% of target for 2020-21 at the same time</li> <li>○ Combination of issues embedded in this decline = ongoing impacts of covid (reduced class sizes, reduced enrollments) and coding issues due to ctcLink transition.</li> <li>○ Bright spots <ul style="list-style-type: none"> <li>▪ Bates Welding is on track to meet enrollment target</li> <li>▪ Clover Park Avionics is close at 40%</li> <li>▪ South Seattle AMT program is at 44%</li> </ul> </li> <li>○ Hold on redistribution <ul style="list-style-type: none"> <li>▪ The temporary suspension of the redistribution policy has been applied to monitored Aerospace</li> </ul> </li> </ul> </li> <li>• Legislative Update <ul style="list-style-type: none"> <li>○ Dual credit <ul style="list-style-type: none"> <li>▪ New budget provisos for CTE Dual Credit</li> <li>▪ Funding for a Summer Running Start program; this will allow students to take those last few remaining credits (15 credits) towards their AA degree</li> <li>▪ Funding towards assisting students with course fees, books, transportation, and meals will be headed by OSPI</li> </ul> </li> <li>○ Apprenticeship <ul style="list-style-type: none"> <li>▪ SB5600</li> <li>▪ SB5764</li> </ul> </li> <li>○ CDL <ul style="list-style-type: none"> <li>▪ The proviso also will cover school bus drivers</li> </ul> </li> </ul> </li> </ul>	

	<p>training, in addition to funding for more CDL training.</p> <ul style="list-style-type: none"> <li>○ Cybersecurity <ul style="list-style-type: none"> <li>▪ \$7.2 million funded to assist colleges with increasing class seats by 500.</li> </ul> </li> </ul>	
2:10 p.m.	<p>Industry Roundtable</p> <ul style="list-style-type: none"> <li>● Alignment of training with industry need <ul style="list-style-type: none"> <li>○ What do your entry level employees need to advance in their career pathway?</li> <li>○ Does work based learning work for you?</li> <li>○ Would it be meaningful for employees to earn college credit through a dual credit or credit for prior learning?</li> </ul> </li> </ul>	
<i>Public comment period, if any – 2:55 p.m.</i>		
3:00 p.m.	Adjourn	

PLEASE NOTE: Times above are estimates only. The SBCTC reserves the right to alter the order of the agenda. Reasonable accommodations will be made for persons with disabilities if requests are made at least seven days in advance. Efforts will be made to accommodate late requests. Please contact the Workforce Education Office at 360-704-4336.

#### Join Zoom Meeting

<https://us02web.zoom.us/j/84564484961?pwd=dUJnZG5nTzNPb2w1cm9rYmNSTWdjZz09>

Meeting ID: 845 6448 4961

Passcode: 213413

One tap mobile

+13462487799,,84564484961# US (Houston)

+16699006833,,84564484961# US (San Jose)

Dial by your location

+1 346 248 7799 US (Houston)

+1 669 900 6833 US (San Jose)

+1 253 215 8782 US (Tacoma)

+1 312 626 6799 US (Chicago)

+1 646 558 8656 US (New York)

+1 301 715 8592 US (Washington DC)

Meeting ID: 845 6448 4961

Find your local number: <https://us02web.zoom.us/u/kcGf9Yc44w>

Join by SIP

[84564484961@zoomcrc.com](mailto:84564484961@zoomcrc.com)

Join by H.323

162.255.37.11 (US West)

162.255.36.11 (US East)

115.114.131.7 (India Mumbai)

115.114.115.7 (India Hyderabad)

213.19.144.110 (Amsterdam Netherlands)

213.244.140.110 (Germany)  
103.122.166.55 (Australia Sydney)  
103.122.167.55 (Australia Melbourne)  
149.137.40.110 (Singapore)  
64.211.144.160 (Brazil)  
149.137.68.253 (Mexico)  
69.174.57.160 (Canada Toronto)  
65.39.152.160 (Canada Vancouver)  
207.226.132.110 (Japan Tokyo)  
149.137.24.110 (Japan Osaka)  
Meeting ID: 845 6448 4961  
Passcode: 213413



**1000 Aerospace Enrollments Program Details**

**Allocation Monitoring Report  
For Academic Year 2021-22**

College	Program	Program Codes	2021-22 Alloc#6	Baseline	2021-22 Target**	Summer 21 Actual	Fall 21 Actual	Winter 22 Actual	Spring 22 Actual	2021-22 Annual	% of Target Attained
Bates	Mechanical Engineering Technology	642, 642B, 642Z	4	37	41	8	9	15	-	11	
Bates	Welding	814, 814B, 814C	11	56	67	52	48	46	-	49	
Bates	Total		15	93	108	60	57	61	-	59	55%
Bellingham	Precision Machining	808, 808Z, 808T	6	40	46	2	-	-	-	1	
Bellingham	Mechatronics	633, 633D	24	27	51	4	-	-	-	1	
Bellingham	Welding	814, 814E, 814F, 814G, 814J, 814T, 814Z	24	42	66	9	-	-	-	3	
Bellingham	Total		54	109	163	15	-	-	-	5	3%
Big Bend	AMT Program	718, APTAMAPT, AFWATC45, APTPTC45	2	38	40	-	54	41	-	32	
Big Bend	Total		2	38	40	-	54	41	-	32	79%
Clover Park	Avionics	660	20	-	20	10	13	9	-	11	
Clover Park	Total		20	-	20	10	13	9	-	11	53%
Everett	Aircraft Mechanic (AMT) & Avionics	660, 660A, 660B, 660C, 723, 723A, 723B, 723C, 723T								118	
Everett	Engineering	AMTAEAPT, AMTAAAPT, AMTATC20, AMTAE45, APTATAAS, APTAMC45, APTATAPT	55	131	186	116	131	106	-		
Everett	Total	B634, CEE, OTRE, PHST2AS, EECCEAS, MEEMCAS	4	346	350	80	232	212	-	175	
Everett	Total		59	477	536	196	363	318	-	292	55%
Green River	Aero. Engineering	999Q, MEEMCAS	4	99	103	19	41	32	-	31	
Green River	Mechatronics	768, IMMMTAPT, IMMM1C01, IMMM2C01	17	-	17	10	17	10	-	12	
Green River	Total		21	99	120	29	58	42	-	43	36%
Lake Washington	Engineering Transfer	CEE, OTRE	63	22	85	9	28	-	-	12	
Lake Washington	Welding	814, 814A, 814B, 814C	12	100	112	30	50	-	-	26	
Lake Washington	Total		75	122	197	38	78	-	-	39	20%
Olympic	Engineering Technology	MEDMTC20, MEDMTC45, PETCMC20, PETCMC45, MATMTC20, MATPPC20,	45	20	65	12	30	23	-	22	
Olympic	Total		45	20	65	12	30	23	-	22	34%
Renton	Mechatronics	768	9	15	24	1	2	-	-	1	
Renton	Total		9	15	24	1	2	-	-	1	5%
Seattle North	Avionics/Electronics	630, 630A, 630D, 630E, 630H, 630I, 630J, 630M, ECTETAPT, ECTEEAAS, ECTEEC45, ECTA1C20, ECTA2C45, ECTATC01	40	21	61	9	34	28	-	24	
Seattle North	Electronics	657C, 657E, 768A, 768B, IETSCC45, IETIPAPT, IMMMEAPT, IMMIEC45	20	21	41	5	21	17	-	14	
Seattle North	Total		60	42	102	14	55	45	-	38	37%
Seattle South	AMT Program	AFPATAPT AFPAAAC45 AFPAPC45 AFPASC01 AFPATAAS	42	173	215	133	156	144	-	144	
Seattle South	Total		42	173	215	133	156	144	-	144	67%
Tacoma	Engineering	CHEBCAS, EECCEAS, MEEMCAS	21	264	285	50	133	143	-	109	
Tacoma	Total		21	264	285	50	133	143	-	109	38%
Whatcom	Engineering Transfer	AST2, BIOE, CEE, OTRE, MEEMCAS, EECCEAS, CHEBCAS, MEEMSAS, PHST2AS	54	70	124	15	71	66	-	51	
Whatcom	Total		54	70	124	15	71	66	-	51	41%
<b>System Total</b>			<b>477</b>	<b>1,522</b>	<b>1,999</b>	<b>572</b>	<b>1,072</b>	<b>892</b>	<b>-</b>	<b>845</b>	<b>42%</b>

Source: SBCTC Data Warehouse

\*The total 1000 aerospace allocations include base allocations for enrollment growth already demonstrated, and monitored allocations for those programs that are being monitored for new or additional enrollment growth.

\*\*The target includes the baseline annualized FTE for the monitored programs plus the monitored allocation. The base allocation is not included in the target.

FTE Criteria: all state-funded FTES for students with "F" or "B" INTENT and one of the approved program codes for the participating college (see list of program codes below).

ctcLink deployment 10/25/2021

ctcLink deployment 2/28/2022

tdulany

4/28/2022