

November 29, 2021

Teri Gardner 12-6-2021

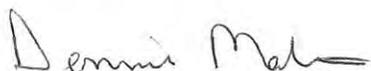
Washington State Apprenticeship & Training Council
Attn: Program Manager, Apprenticeship Section
Re: Apprenticeship Preparation Program Renewal Application

To Whom It May Concern,

The Yakima Valley Technical Skills Center would like the board to review and seek approval for the renewal of our Apprenticeship Preparation Program. Enclosed you will find all required documentation for consideration. We have found that numerous students and community members have benefitted from this recognition. The goal to expand our outreach efforts and continuously improve the quality and relevance of the curriculum has shown solid results from the data collected during the initial approval process.

YVTECH believes that continuing this partnership will lead to a mutual benefit for everyone involved. We look forward to working with Labor and Industries, along with our multiple other stakeholders, to augment the quality and impact of the program.

Sincerely,



Dennis Matson
Director/Principal
Yakima Valley Technical Skills Center
1120 S. 18th St.
Yakima, WA 98901
509-573-5501

Program Demographics

YVTECH Electrical Program			
	Completers	Registered Apprentices	% Registered
2018-2019 SY	34	8	23.5%
2019-2020 SY	48	13	27%
2020-2021 SY	65	6	9.2%

YVTECH Electrical Program Demographics (Race)									
	Male	Female	Total Students	% Male	% Female	Latinx	Non-Latinx	% Latinx	% Non-Latinx
2018-2019 SY	33	1	34	97%	3%	25	8	74%	26%
2019-2020 SY	48	0	48	100%	0%	32	16	67%	33%
2020-2021 SY	62	3	65	95%	5%	45	20	70%	30%

YVTECH Electrical Program (Enrollment Sending Districts)			
	2018-2019 SY	2019-2020 SY	2020-2021 SY
East Valley	1	2	5
Grandview	0	2	5
Granger	2	3	3
Highland	2	3	0
Mabton	0	0	0
Mt. Adams	1	1	0
Naches	1	2	1
Prosser	0	2	0
Selah	7	7	4
Sunnyside	0	3	4
Toppenish	5	4	3
Wapato	6	3	0
West Valley	1	0	7
Yakima	6	15	25
Zillah	1	0	3
Other	1	1	5
Total	34	48	65

Program Demographics

The Yakima Valley Technical Skills Center annually looks at data, such as the sample of tables above, to come up with ways to improve our recruitment and retention efforts. One way is to look at surrounding districts and pinpoint areas of opportunities to recruit underrepresented populations. These strategies include identifying locations and demographics where an increase in student outreach can directly impact student and community benefits. For example, the enrollment table of students from sending districts shows that a majority of them reside within the host/local district. A reason behind this is the transportation barrier that students have when they are required to commute as much as 40 minutes each way to attend class. The expenses, socioeconomic conditions, and time associated with this situation poses challenges for students to overcome. For those students that qualify, YVTECH provides financial support to alleviate this burden. Examples include the distribution of gas cards, purchase of course materials/supplies, and covering costs of certification tests. Communication through various media help YVTECH reach a broader and more diverse audience. Annually, we mail up to 7000 flyers and school brochures to all surrounding eligible high school students that we are host to. We also utilize digital media as changes in information distribution has gotten more internet and web based.

We also arrange for in person presentations at each school that aligns with their registration schedules. During the COVID shutdown, we held these presentations virtually. YVTECH is currently scheduling presentations with sending districts to announce/recruit potential students. These presentations will be either in person, virtual, or both. In 2018, we presented in person to 12 schools. In 2019, we presented to 10 schools before all schools were shutdown. In 2020, we presented virtually a total of 14 times throughout the year. Currently, we have 3 scheduled in the coming months, with more being pursued.

Prior to the pandemic (2018), YVTECH held an Electrician Fall Camp, meant to target the underrepresented demographic of women. Unfortunately, we were not able to duplicate that offering for the past 2 years. However, that is a recruiting event that we will restart as restrictions ease. This is just one example of how the Yakima Valley Technical Skills Center emphasizes an equity in education approach. There are also plans of hosting job-alike and industry related workshops to help further expand career ready graduates.

The establishment of new industry partners, along with cultivating existing partnerships, plays a cardinal role in the program's recruiting and retention success. Mr. Krueger has built a strong core of industry professionals to serve on his Advisory Board. The community voice and presence allows for modification and shifting of standards to better align with industry trends. This was immediately evident after the initial approval of our application in 2017. We were able to market the program and develop a pathway towards the apprenticeship. Looking at the consistent enrollment increases and trends, we believe that the impact of our renewal application will reach beyond the walls of the classroom.

Program and Curriculum

Program review and the goal of continuous improvement are the foundation of building a strong and successful program. Each year, the YVTECH Electrical program hosts a minimum of 3 Advisory Board meetings. At these meetings, the partnership between instructor and industry professionals are highlighted through active engagement. Activities include, but are not limited to, conversations surrounding curriculum delivery and content, career pathway opportunities, and the mastery of knowledge and skills that will allow them to be successful upon completion of the program.

Since the time that the Yakima Valley Technical Skills Center Electrical Program was initially recognized as a WSATC apprenticeship preparation program, updates to the program and curriculum have been made as a result of COVID, student interests and developments within the industry/workforce. The statewide closure of schools in spring of 2020 and safety mandates required for opening in the fall of 2021, impacted us both positively and negatively. COVID fast-tracked the implementation of online curriculum delivery. This has provided an opportunity for interested students to continue learning through a virtual portal. Once YVTECH was allowed to open in a hybrid format, online curriculum lessons and modules were embedded permanently, allowing for student engagement both on and off campus.

One critical change that was made during the past 3 years was the switch from the Amatrol Learning Management System to Interim Credentials. *The Interim Credentials curriculum was designed by the electrical training ALLIANCE, the national training development organization for the IBEW (International Brotherhood of Electrical Workers) and NECA (National Electrical Contractors Association). The Interim Credentials program utilizes a learning approach that appeals to high school students by utilizing technology-based, bite-sized learning and activity assessments. The Interim Credentials Program is designed for advanced placement into any of the 270 IBEW/NECA Electrical Training Centers across the United States. Once the student completes the mastery of the Interim Credentials program and graduates high school, he or she can present their completion certificate to a training center for consideration of advanced placement into the second year of the 5-year electrical apprenticeship. Final entry into an IBEW/NECA apprenticeship program is dependent on the results of the training center's selection process.*

The decision to adopt Interim Credentials was based on evaluation of standards taught and was recommended by the Advisory Board. Mr. James Krueger feels it aligns better with required industry skills and the apprenticeship program. Results from students were improvement in skills and knowledge of course standards. They were better prepared to join the apprenticeship or pursue a post-secondary degree/certification. The course frameworks were also reviewed and updated to reflect course content, curriculum standards, and industry trends. Below is a breakdown of subject content. Actual frameworks (75 pages), outlining specific Washington State Standards can be provided if required.

In summary, graduates from the YVTECH Electrical Program receive instruction from a highly trained professional electrician/instructor. Through scheduled mock interviews that are held during the year, students get introduced to numerous IBEW Apprenticeship Committee Members that they will be interviewed by in the future. Lastly, they have the opportunity to earn an industry recognized certificate upon successful completion of the Interim Credentials curriculum. The certificate can potentially give

them one year's worth of credit towards the 5 years apprenticeship, thus allowing the graduates to complete the IBEW/NECA apprenticeship earlier. Overall, the graduates will complete the program with a resume/portfolio that gives them with a competitive advantage into the apprenticeship program, when compared with other candidates without those experiences and/or certificate.

Program and Curriculum

Basic and Electrical Safety (30 hours)
Electrical Theory (90 Hours)
AC Theory and Application (90 Hours)
Electrical Test Equipment and Tools (40 Hours)
Electrical / Mechanical Drawings and Blueprints (30 Hours)
Residential Wiring (60 Hours)
Workplace Effectiveness (40 Hours)
Green Technology & Design (Reduced to 60 Hours from 120 Hours)
Motors and Generators (60 Hours)
Industry Health and Safety Standards (25 Hours)
National Electrical Code Regulations (20 Hours)
Motors and Motor Controls (50 Hours)
PLC (Reduced to 40 Hours from 60 Hours)
Hydraulic and Pneumatics (Reduced to 40 Hours from 50 Hours)
Soldering (20 Hours)
Apprentices Application Process (Increased to 20 Hours from 10 Hours)
Emergency Responses for Health and Safety (15 Hours)
Advanced Industry Tools and Safety (20 Hours)
Commercial and Industrial Wiring (Increased to 30 Hours from 20 Hours)
Industry Experience Externship (150 Hours)
Mechanical Pump Systems (40 Hours)
Thermal Systems (40 Hours)

There were two major developments in the program relating to curriculum recognition. The first was approval by the Yakima School District to award a math credit equivalency for completing the program. This allowed for students to be eligible to receive a high school math graduation requirement, while taking the YVTECH Electrical Program. The second was the approved pathway agreement with a local post-secondary Technical Institution. This agreement with Perry Tech allows for students to qualify for a scholarship to attend Perry Tech, while also gaining preferential consideration into their Electrical Program.

*Teri Gardner 12-6-2021**AN*

LU 112-NECA Electrical JATC

8340 West Gage Boulevard – Kennewick, WA 99336
Phone (509) 783-0589 Fax (509) 783-6721
Kris Tuura – Training Director

November 15, 2021

To Whom It May Concern,

Our electrical apprenticeship and training program is currently working with Yakima Valley Technical Skills Center in Yakima, Washington and our goal is to help the students in their electrical program meet the entrance requirements for our apprenticeship program.

Our JATC has approved Standards in Washington and Oregon for three electrical apprenticeship programs. In addition to YV Tech, we work with other Apprentice Preparation programs such as Tri-Tech Skills Center in Kennewick, Washington. We are pleased to report that several of the high school participants have been successful in obtaining electrical apprenticeships in our program and obtained journey-level status.

One quality example is a skills center graduate himself by the name of Marcus Burleson, who successfully completed his electrical apprenticeship with our program and reached journey-level status, plus achieving a Master Electrician license in Washington and a General Supervising Electrician license in Oregon. He became one of our full-time electrical apprenticeship instructors and is currently a curriculum specialist for our national training program. He also sits on the Advisory Committee for the YV Tech Electrical Program.

We believe that YV Tech has the potential to be a valuable service to the students it serves, as well as providing an Apprenticeship Preparation Program for apprenticeship programs in SE Washington. Our apprenticeship program is looking forward to continuing our partnership with YV Tech for the betterment of our students in creating real and meaningful family wage careers for tomorrow's workers.

If you have any questions or require further information, please contact the Training Center Office at 509-783-0589.

Sincerely,

Kristopher Tuura
Training Director