

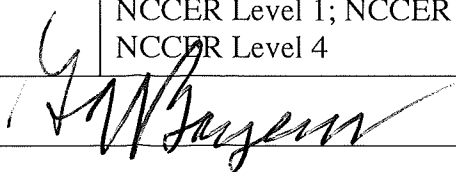
New Program Request Form

CA1

General Information

Institution submitting proposal	Washburn Institute of Technology
Name, title, phone, and email of person submitting the application <i>(contact person for the approval process)</i>	Dr. Mike Strohschein Associate Dean, Technical Instruction mike.strohschein@washburn.edu
Identify the person responsible for oversight of the proposed program	Chaz Havens Director of Academic Sites and Initiatives Chaz.havens@washburn.edu
Title of proposed program	Plumbing Technology
Proposed suggested Classification of Instructional Program (CIP) Code	46.0503 Plumbing Technology/Plumber
CIP code description	A program that prepares individuals to practice as licensed plumbers by applying technical knowledge and skills to lay out, assemble, install, and maintain piping fixtures and systems for steam, natural gas, oil, hot water, heating, cooling, drainage, lubricating, sprinkling, and industrial processing systems in home and business environments. Includes instruction in source determination, water distribution, waste removal, pressure adjustment, basic physics, technical mathematics, blueprint reading, pipe installation, pumps, welding and soldering, plumbing inspection, and applicable codes and standards.
Standard Occupation Code (SOC) associated to the proposed program	47-2152 Plumbers, Pipefitters, Steamfitters
SOC description	Assemble, install, alter, and repair pipelines or pipe systems that carry water, steam, air, or other liquids or gases. May install heating and cooling equipment and mechanical control systems. Includes sprinkler fitters.
Number of credits for the degree <u>and</u> all certificates requested	Technical Certificate B; 30 credit hours
Proposed Date of Initiation	August 1, 2022
Specialty program accrediting agency	National Center for Construction Education & Research (NCCER)
Industry certification	NCCER Level 1; NCCER Level 2; NCCER Level 3; NCCER Level 4

Signature of College Official _____



Date _____

9/20/21

Signature of KBOR Official _____

Date _____

Narrative

Program Rationale

Washburn Institute of Technology (WIT) currently offers plumbing courses through the Climate and Energy Control program (HVAC) offered at the Kansas Juvenile Correctional Complex (KJCC). Due to increased demand for the plumbing classes, WIT would like to expand the course offerings to create a Certification B Plumbing Technology program. While this program is starting on the KJCC facility, Washburn Institute of Technology would consider adding it to the Huntoon or East campus for Fall 2022.

Program Description

The Plumbing Technology program introduces students to the knowledge and skills required for entry into the plumbing industry.

Program Outcomes

Students should know or be able to do at the completion of the program:

- Accurately interpret symbols, schematics, and site plans used in the plumbing profession.
- Install various types of pipes and pipe-fittings.
- Install various types of fixtures and valves.
- Explain how water distribution systems work.
- Explain codes and regulations related to various aspects of the plumbing industry.
- Explain key aspects of waste removal systems.
- Demonstrate how to install, size, and/or service drain, waste, and vent systems.

Admission Requirements

Applicants who wish to apply for admission to Washburn Institute of Technology need to have the abilities necessary to benefit from instruction in an occupational field. Prospective students are required to take an Accuplacer Placement Test and pass with the necessary scores for their desired technical program before they are eligible to enroll. Applicants may only enroll in one technical program at a time. Applicants who have alternative tests scores such as WorkKeys, ACT, CASAS, ASSET, SAT, PSAT, TABE and COMPASS or Bachelors or Associates degrees should consult with a recruiter or advisor to determine if they are qualified for their chosen technical program.

Accuplacer Scores for Plumbing program: Math - Level 4; Reading - Level 4

Secondary Enrollment Procedure

Enrollment is open to qualified students who are currently enrolled in high school. High school students who wish to enroll in a technical program at Washburn Institute of Technology must follow the procedures listed below:

1. Take the Admissions Test (free while in high school) either at Washburn Institute of Technology or their home high school (when available).
2. Complete an online application at <http://www.washburntech.edu/admissions/apply.html>
3. Discuss scores and program of interest with an Admissions Counselor.
4. Submit an in-progress official high school transcript.
5. Enroll during designated enrollment periods. Program registration is done on a first come, first serve basis. Many programs have limited enrollment capacity and/or are competitive programs. Admissions Counselors can provide program specific information.

Post-Secondary Enrollment Procedures

Post-secondary students who wish to enroll in a technical program must follow the procedures listed below:

1. Take the Admissions Test at Washburn Institute of Technology
2. Complete an online application at <http://www.washburntech.edu/admissions/apply.html>
3. Discuss scores and program of interest with an Admissions Counselor.
4. Submit official high school transcripts.
5. Enroll during designated enrollment periods. Program registration is done on a first come, first serve basis. Many programs have limited enrollment capacity and/or are competitive programs. Admissions Counselors can provide program specific information.

Graduation Requirements

Washburn University Board of Regents with the recommendation of the faculty of Washburn Institute of Technology confers degrees at the end of the fall and spring semesters and summer session to students who have met all requirements as of the last day of final examinations for that session. All work not completed by the last day of finals will result in a graduation date of the following semester or later if a previous "incomplete" has not been finalized. If a student is concurrently enrolled at another institution and intends to use the work to complete graduation requirements at Washburn Tech, an official transcript from the institution must be received within two weeks of Washburn Tech's last final examination date of the graduating semester to have the degree conferred in the same semester. Washburn Tech holds a commencement ceremony at the end of the fall and spring semesters. Students who complete requirements for a certificate or degree during fall semester will be invited to participate in the fall commencement ceremony. Students who complete requirements for a certificate or degree during the spring semester will be invited to participate in the spring commencement ceremony. Students completing required coursework in summer session will be invited to participate in fall commencement. All such candidates must have the Application for Graduation form on file.

Demand for the Program

According to the Kansas Department of Labor's Long Term Occupational Outlook, Plumbing Technology, CIP code 46.0503 (Plumbing Technology/Plumber), which aligns with SOC code 47-2152 (Plumbers, Pipefitters and Steamfitters), shows the occupation of plumbing is expected to increase 6% over the next ten years. The average annual wage is \$56,810. The background needed for entry into this occupation is HS diploma and apprenticeship.

There are many business and industry supporters of this program in the Topeka regional area. Letters of support are included in this packet.

Data from the 2020 Perkins Local Assessment indicate there is a great area of opportunity for students in the construction trades, which includes plumbing. The Topeka Regional Needs Assessment identified a labor gap for CIP code 46 Construction Trades with 1,739 Construction openings in the Topeka regional area. Plumbing is not listed specifically in the report, but with the data on construction trades, along with feedback from the advisory board and the Kansas Department of Labor, indicate there is a local need for highly skilled plumbers in the Topeka area.

Business and Industry Support

Washburn Institute of Technology has a partnership with Smoky Hill Educational Service Center to provide CTE at the Lawrence Gardner High School (LGHS) in the Kansas Juvenile Correctional Complex. Through Smoky Hill/ LGHS, the Plumbing Technology program will be supported by Perkins V funding and other institutional and state funds.

Duplication of Existing Programs

K-TIP listings for similar programs (taken from AY2019 K-TIP report):

Institution: Barton Community College
Program Title: Plumbing Technology/Plumber
Number of Declared majors: 13
Number of program graduates: 11
Number of graduates exiting/employed: 10
Annual median wage exiting/employed: \$14,378

The plumbing program is offered to inmates at Larned Correctional Mental Health Facility, which may explain why the median wage is significantly lower than the Kansas Department of Labor's Long Term Occupational Outlook indicating average annual wage of \$56,810.

Johnson County Community College started a new program in AY21. There is no data in K-TIP currently for the JCCC program.

There are no existing Plumbing Technology programs in Washburn Institute of Technology's service area.

Collaboration

Washburn Institute of Technology reached out to Barton Community College (Dr. Kathleen Kottas) and Johnson County Community College (Dr. Howard Hendren) who each provided insight, guidance and tips to Washburn Tech through the program development period. Further collaboration will continue as the opportunities arise.

Program Information

Course Descriptions

GEN 101 Workplace Skills and Safety (3 credits)

This course focuses on developing the skills necessary to be successful in college and careers. Topics include an introduction to basic safety, communication concepts and group dynamics, and employability skills.

PLU 101 Introduction to Plumbing Technology (3 credits)

The course introduces the student to have the basic knowledge of what it takes to be a plumber. Topics include professional opportunities in plumbing, plumbing safety, tools of the trade. This course introduces students to the plumbing profession, plumbing safety, tools of the trade, plumbing drawing, plumbing fixtures and reading commercial drawings.

PLU 103 Plumbing Systems I (3 credits)

The course introduces the student to plastic pipe and fittings, copper tube and fittings, cast-iron pipe and fittings, steel pipe and fittings, plumbing fixtures, drain, waste and vent (DWV) systems, and water distribution systems.

IND 111 OSHA 30 Hour Construction Ind Cert (3 credits)

This course provides an overview of the Occupational Safety and Health Administration Construction Training Topics. This course is intended to provide entry level construction workers a broad awareness on recognizing and preventing hazards on a construction site. This course will also address real world challenges that electrical workers face on a daily bases. It will introduce avoiding oversights that could

result in shock and arc flash accidents. The material presented will emphasize the rules specified by the National Fire Protection Association (NFPA) using NFPA 70E standards. After taking this course, students will be able to take the arc flash certification test.

MAT 101 Technical Math I (3 credits)

This course will enable the student to gain confidence with the use of basic math, measurements, and signed numbers. The concepts learned in this course will build problem solving skills that are critical in the workplace. These concepts develop a solid foundation for success in the use of technology.

PLU 107 Plumbing Installation (3 credits)

This course presents students with plumbing installation topics to include penetrations, insulation, and fire stopping. Installing roof, floor and area drains, water heaters and testing water supply piping.

PLU 109 Plumbing Systems and Codes (3 credits)

This course is designed to assist students in the understanding and the interpretation of the current International Plumbing Code (IPC) and International Fuel Gas Code (IFGC) and the minimum requirements for plumbing materials and design. These codes are founded upon the basic principles of safety through properly designed systems, acceptable installation standards and appropriately maintained plumbing systems.

IND 104 Basic Electricity (3 credits)

This course is an introduction to electricity, basic electrical components and their characteristics, circuit schematics and basic analysis of series and parallel DC circuits. Hands-on labs help guide student learners to assimilate this material.

PLU 113 Plumbing Water Systems and Distribution (3 credits)

Upon successful completion of this course, students should understand basic topics pertaining to water pressure boosters, recirculation systems, indirect waste, special waster, private water supply well systems, and private waste disposal systems.

PLU 200 Plumbing Internship (3 credits)

Upon successful completion of this course, the student should be able to apply classroom knowledge to an actual work environment. The internship will provide the students with an on-the-job experience under the supervision of industry professionals. The work will be developed in cooperation with area employers, college staff and each student to provide a variety of actual job experiences directly related to the student's career goals in the plumbing field. Minimum 15 hrs. per week on-the-job training.

Degree Plan

Course #	Course Name	Credits
Semester 1		
GEN 101	Workplace Skills and Safety	3
PLU 101	Introduction to Plumbing Technology	3
PLU 103	Plumbing Systems I	3
IND 111	OSHA 30 Construction Ind Cert	3
MAT 101	Technical Math	3
Semester 2		
PLU 107	Plumbing Installation	3
PLU 109	Plumbing Systems and Codes	3

IND 104	Basic Electricity	3
PLU 113	Plumbing Water Systems & Distribution	3
PLU 200	Plumbing Internship	3
	TOTAL CREDITS	30

Students are eligible to earn NCCER certifications as they complete the curriculum.

Faculty

Candidates for Plumbing Technology instructor must meet the following requirements:

- Associate's degree in Plumbing or HVAC or Technical Certificate from a post-secondary institution with three years direct experience in the field; OR
- Associate's degree in any field and a combination of formal training, five years of work experience and professional tested experience; OR
- A combination of education (Associates Degree/Technical Certificate in a similar discipline) and formal training, such as an apprenticeship in a related field and professional tested and equivalent experience that provides a foundation in the specific subject matter being taught.
- Preference for a certified plumber.

Cost and Funding for Proposed Program

The Plumbing Technology program has benefitted from the partnership between WIT and KJCC. The current facilities at KJCC have been equipped to offer the program, and there are existing funds in the budget for an instructor as we phase out a program at KJCC and implement plumbing. The proposed plumbing program will be funded utilizing reallocated WIT general funds in conjunction with KJCC Perkins funds. The KJCC site will utilize Perkins funds through the Smoky Hill Consortium that supports Lawrence/Gardner High School CTE students. This savings will allow us to put the funds towards launching plumbing at other locations where facility upgrades will be anticipated.

WIT has evaluated existing programs and are re-allocating resources based upon this realignment, enrollment, and industry demand. Funds are being made available through the WIT General Fund to launch new programs as other programs are phased out. General funds, in combination with Maintenance of Efforts and Perkins funds, will be used to launch the plumbing program. In addition, we have received a verbal commitment from a plumbing advisory board member and strong supporter of the program that his company will be providing direct and in-kind support to help fund instructional materials and tools. Plumbing initial and on-going costs are documented on form CA-1a.

Program Review and Assessment

As one of the colleges/schools at Washburn University, the Washburn Institute of Technology offers certificate and Associate Degree programs in Career and Technical Education (CTE), ranging from Advanced Systems Technology to Associate of Applied Science in Surgical Technology. These post-secondary, college-level programs lead to certificates of completion (Stand-Alone Parent Programs; up to 16 credit hours) or the technical certificates (Cert A; Cert B; Cert C); an A.A.S. in Surgical Technology.

The purpose of a Program Review is to ensure a quality learning experience for our students by undergoing a systematic, periodic comprehensive review of all aspects of the technical program. As a member of the Association for Career and Technical Education (ACTE), Washburn Institute of Technology has voluntarily chosen to follow the **Quality CTE Program of Study Framework (Quality Framework)**. This framework (checklist) consists of 12 elements and 92 criteria that lead to a

quality technical education program. As part of the Program Review process at Washburn Tech, instructors will complete this checklist to determine goals and priorities for improving the program. In addition to completing the checklist, instructors will attach relevant documentation that further demonstrates evidence that each criterion is being addressed. The results of the Quality Framework will be the basis for the program review report to be submitted to Washburn University, which has specific guidelines for the program review process as follows:

Program Review Guide for Academic Units

Academic units and programs of study are asked to review academic programs and services offered and report those through the guidelines provided, citing data and specific examples as evidence in your narrative. In some cases, data is provided for the unit's consideration, which may be further supplemented by the unit. Each unit is asked to address each topic outlined in this guide—additional topics may be added by the unit if they enhance the reviewers' understanding of the unit and its performance. While units are encouraged to draw upon material prepared for other reporting (e.g., program accreditation), the Washburn University academic program review narrative must be completed fully and cannot be replaced by that reporting.

(copied from Washburn University's *Program Review Guide for Academic Units Spring 2019*)

Program Approval at the Institution Level

- Washburn Board of Trustees
- Program Advisory Committee
- Curriculum Committee

Submit the completed application and supporting documents to the following:

Director of Workforce Development
Kansas Board of Regents
1000 SW Jackson St., Suite 520
Topeka, Kansas 66612-1368



September 20, 2021

Technical Education Authority

To Whom it May Concern:

On September 16, 2021, the Washburn University Board of Regents held a regularly scheduled meeting. During that meeting, they took up two items as part of their agenda that requested approval of two new curricular programs at Washburn Tech. Specifically, the items sought approval for new curricular certificate programs for Sterile Processing Technology and Plumbing Technology. The Regents unanimously approved both items, thus approving the addition of both new programs.

As Secretary for the Board of Regents, I recorded the minutes of the meeting. The minutes will not be officially available until approved by the Board at their next meeting in October. Please accept this letter as certification of the Board's approval of those programs.

Sincerely,

A handwritten signature in blue ink, appearing to read "Marc Fried", written over a light blue circular stamp or watermark.

Marc Fried
Secretary, Washburn University Board of Regents

June 30th 2021

Washburn Tech
Attn: Mike Strohschein
5724 SW Huntoon St
Topeka, KS 66604

Dear Michael,

Thank you for your efforts to work with our community and employers to help develop the new Plumbing Program at Washburn Tech. We are facing a never-before-seen labor shortage in the Plumbing Industry. The other plumbing company owners that I have spoken to have been dealing with labor shortage for as long as I can remember because we do not have and local plumbing programs to attract new people into our profession. This program will provide an opportunity to the community and surrounding area for a highly skilled profession that pays higher wages in a deeply needed field. It is my plan to provide support to the program by serving on the advisory board and participating in mock interviews for graduating students of the program. We are also discussing financial support and the possibility of hosting students for job shadowing or internships. Lastly, we are also in the process of working with Washburn to set up a scholarship specifically for the program to honor a plumbing inspector who recently passed who was a huge advocate of training people to come into plumbing trade.

Respectfully,

Patrick M. Grogan

Pat Plumbing, Heating and Air and Pat the Plumber
3761 SW South Park Ave
Topeka, KS 66609
785-478-0188

Cc: Alan Beam, Washburn Tech

July 21, 2021

Washburn Institute of Technology
Attn: Mike Strohschein
5724 SW Huntoon Street
Topeka KS 66604

Mr. Strohschein,

I am in support of a plumbing curriculum at Washburn Institute of Technology. We are experiencing a shortage of service plumbers in our industry. I believe one of the reasons for the shortage is that no educational pipeline exists locally that provides a path for high school students to enter the plumbing trade. I serve on the union apprenticeship board and interview many graduates of Washburn Institute of Technology HVAC Program. Being a graduate of the program is a positive factor during the interview grading process, and program graduates are typically accepted into our 4 year apprenticeship program. If a plumbing curriculum existed at Washburn Institute of Technology, a graduate of the program would be highly considered for our apprenticeship program. This creates a path to the plumbing trade that does not currently exist.

Upon completion of our 4 year apprenticeship program, a licensed commercial plumbing service technician earns \$37.85 per hour with guaranteed increases annually. This equates to \$75,700 per year. High school students who are problem solvers and mechanically inclined can have a great career in the plumbing trade, but currently very few know the opportunity exists because local trade schools don't offer training.

It is my sincere hope that the Washburn Institute of Technology moves forward with a plumbing training program. As evidence of McElroy's unyielding support of a strong plumbing curriculum, I am committed to having our Plumbing Services Manager, Luke Dumler serve on the advisory board.

Sincerely,



Dan Beal, P.E., LEED AP
President



Kansas Juvenile Correctional Complex
1430 NW 25th
Topeka, KS 66618

Phone: (785) 354-9800
www.doc.ks.gov

Jefferey Zmuda, Secretary
Megan Milner, Superintendent

Laura Kelly, Governor

May 27, 2021

To Whom It May Concern:

The Kansas Juvenile Correctional Complex (KJCC) would like to express our support for the Plumbing program currently being delivered to the residents at KJCC through Washburn University Institute of Technology.

Historically, plumbing has been a part of the curriculum provided to the KJCC residents since 2013, though it had been in tandem with HVAC training rather than as a stand-alone course until recently. Over the course of this total timeframe, approximately 175 youth have had the opportunity to participate in plumbing and a total of 233 plumbing certifications have been earned by the youth ranging from L-1 to L-4.

We know that education and employment are one of the criminogenic factors that contribute to criminal behavior, and this is especially critical with juvenile offenders who oftentimes come to our facility without having completed high school and without formal vocational training. We understand that a juvenile offender who has the ability to learn a trade, to receive formal vocational training and to earn industry-recognized certifications will have a greater likelihood of receiving constructive, legitimate employment upon release and is significantly less likely to reoffend or create additional victims. Plumbing is a career field that we know is open to former offenders, to young adults who have received a juvenile adjudication, and is a trade that we have seen a tremendous amount of interest in from our residents.

Furthermore, this program provides the youth with soft skills for the working world -- the influence of getting to work on time and completing tasks is spoken about consistently by the teachers, and the sense of accomplishment that students receive in completing a physical task that they may have never done before is remarkable and will serve them well in the future.


We look forward to continuing our partnership with Washburn Tech at KJCC and supporting the program in multiple ways, including the use of our facilities and classroom space. Please consider this as our letter of support for the continuation of the Plumbing program currently being offered to the youth residents at our facility.

v/r,

Dustin Karr
Deputy Superintendent, Kansas Juvenile Correctional Complex

Appendix B

Advisory Board Minutes

	PLUMBING TECHNOLOGY ADVISORY BOARD MEETING MINUTES
Date	8-16-2021
Time	
Location	

Board Member	Organization	Present (Yes or No)
Luke Dumler	McElroy's Mechanical, Plumbing, Heating, Air	Y
Mike Thomas	Plumbers & Pipefitters Local Union #441	Y
Jake Jones	Plumbers Union #441	Y
Patrick Grogan	Pat- Plumbing, Heating and Air	Y
Brian Burnett	Plumbers Union #441	Y
John Clark	Plumbers Union #441	Y

Resource persons: Mike Strohschein- Associate Dean of Technical Instruction, Tara Lindahl- Director of Assessment, Curriculum, and Distance Learning, Chaz Havens- Director of Academic Sites & Initiatives, Alan Bean- Director of Instruction and Staff Development

Explanation of Program- Mike Strohschein

- The plumbing courses were originally part of a Building Technology program that is no longer offered.
- Plumbing is not offered on the Huntoon campus as a stand-alone program, but instead has been offered at LGHS as part of the CEC program. However, enrollments in the CEC courses waned, while enrollment in plumbing courses has increased.
- Creating a plumbing program is necessary to continue enrollments at LGHS
- Creating a plumbing program also provides an option to offer a new program at Tech East as space becomes available.
- Program could qualify for Kansa Promise Act funding

Course Outline and Competencies- Alan Beam

- Using NCCER plumbing curriculum levels 1-4
- Incorporating Workplace Skills and Safety and increasing from 1-3 credits
- Focus on residential plumbing
- One year, two semester program
- Students in plumbing at KJCC would be high school but expansion on to Tech East would allow for post-secondary enrollment

Board Feedback

- Huge need for plumbers across the state, so excited to see the development of the program

- Makes sense that it grew out of an existing Building technology program
- Residential focus is a good place to start and could allow students to enter into commercial plumbing apprenticeship program at a level 2 or 3
- Would like to see financial literacy incorporated into Workplace Skills course as they see a need for that in their apprentices
- Concerned about internship option for high school students- not sure how that would work with employer liability concerns
- Questions on how success would be measured- talked about matrix and outcomes
- Would like to see students out job shadowing early in the program to make sure it was a field they wanted to go into
- Could provide plumbers as mentors for students for their time in the program

Appendix C

Curriculum Committee Minutes



Curriculum Committee Meeting Agenda

Date: May 11, 2021

3:00 p.m.

Zoom: <https://washburn.zoom.us/j/7446508616?pwd=S3VPazdIMmxFSm1DSzFKVGJtNTYzdz09>

Attendance:

x	Bob Oswald	x	Louise Williams
	David Praiswater	x	Jennifer Ewing
	Diane Stumpf	x	Steve Grenus
x	Eric Showalter	x	Luci Zieman
	Kelly Winkel	x	Morgan Eggert
x	Mark Green	x	April Sidesinger
	Pam Manning		Irene Foreman
	Stephanie Selk	x	Lisa Blair
x	Alan Beam	x	Taylor Mather
	Chaz Havens		Mike Strohschein

Guests: **David Tenpenny, Pam Masters**

The committee determined there was not a quorum of instructions present, and so no votes were taken. An email ballot will go out to facilitate voting on minutes and proposals.

Minutes were reviewed.

Alan Beam reviewed the proposed Plumbing program and the issues regarding testing LGHS students. He had met with Student Services to discuss providing a written Accuplacer test. KJCC and LGHS are also considering other issues regarding internet access for testing, and using WorkKeys. The committee members in attendance felt satisfied with the Plumbing proposal as presented today. Alan Beam made a motion to approve the plumbing proposal. Steve Grenus seconded. Motion passed.

David Tenpenny reviewed the proposed changes to Diesel Tech and Heavy Diesel. The committee suggested some minor changes to provide consistency in course titling, and made some adjustments to the grad plans as presented in the cover memo. Upon conclusion of the discussion, the members in attendance felt satisfied with the two Diesel program proposals.

Eric Showalter reviewed the KBOR program alignment changes and explained how he and Emiliano are incorporating those changes. They are removing the CLR100 course and replacing it with IND105 OSHA-10. They are making changes to the two estimating classes to align with the KBOR suggestions. In the second year of the program, they are replacing Structural A&D Repair 3 and 4 with three new two-credit classes. The committee members in attendance felt satisfied with the proposal as discussed.

Pam Masters presented the changes to the Foundations of Health Care proposal. Following discussion of some name changes for consistency, and an explanation of why they are swapping out OSHA for the CPR class, the committee members in attendance felt satisfied with the proposal as discussed.

The revised cover memos will be distributed by email for a vote among the instructors on the committee this week.

The meeting was adjourned at 3:40 p.m.

KBOR Fiscal Summary for Proposed Academic Programs

CA-1a Form (2020)

Institution: Washburn Institute of Technology

Proposed Program: Plumbing Technology

IMPLEMENTATION COSTS					
Part I. Anticipated Enrollment			Implementation Year		
Please state how many students/credit hours are expected during the initial year of the program?					
			Full-Time	Part-Time	
A. Headcount:			20 / 500-600	5 / 75-100	
Part II. Initial Budget			Implementation Year		
A. Faculty			Existing:	New:	Funding Source:
Full-time	#		\$63,020	\$	WIT General Fund
Part-time/Adjunct	#		\$	\$	
		Amount	Funding Source		
B. Equipment required for program		\$ 40,000	Maintenance of Efforts (MOE)/ KJCC Perkins funds/ WIT Perkins funds		
C. Tools and/or supplies required for the program		\$ 500	WIT General Fund- reallocation		
D. Instructional Supplies and Materials		\$ 5,000	WIT General Fund- reallocation		
E. Facility requirements, including facility modifications and/or classroom renovations		\$ 10,000	WIT General Fund		
F. Technology and/or Software		\$ 2,500	WIT General Fund		
G. Other <i>(Please identify; add lines as required)</i> NCCER Costs		\$ 5,000	WIT General Fund		
Total for Implementation Year		\$126,020	WIT General Fund		
PROGRAM SUSTAINABILITY COSTS (Second and Third Years)					
Part I. Program Enrollment			Second and Third Years		
Please state how many students/credit hours are expected during the first two years of the program?					
			Full-Time	Part-Time	
A. Headcount:			30 / 750-900	10 / 150-200	
Part II. Ongoing Program Costs			First Two Years		
A. Faculty			Existing:	New:	Funding Source:
Full-time	#		\$ 127,300	\$	WIT General Fund
Part-time	#		\$	\$	
		Amount	Funding Source		
B. Equipment required for program		\$ 0	WIT General Fund/ Tuition/Fees/Perkins		
C. Tools and/or supplies required for the program		\$1,000	WIT General Fund/Tuition/Fees		
D. Instructional Supplies and Materials		\$11,000	WIT General Fund/Tuition/Fees		
E. Facility requirements, including facility modifications and/or classroom renovations		\$ 0			
F. Technology and/or Software		\$			
G. Other <i>(Please identify; add lines as required)</i> NCCER Costs		\$6,000	WIT General Fund		
Total for Program Sustainability		\$ 145,300			

KBOR Fiscal Summary for Proposed Academic Programs

CA-1a Form (2020)

Please indicate any additional support and/or funding for the proposed program:

As referenced in CA1 form, the plumbing program will be launched at KJCC, which will utilize existing facilities and an existing instructor position. The funding for this location will be provided through the WIT general fund and KJCC Perkins funds. If a second location is launched, WIT general funds, Maintenance of Efforts, and Perkins funds will be utilized. WIT continues to evaluate existing programs which allows for the re-allocation of funding which is then made available through the general fund. As noted above and in CA1, the plumbing program will also benefit from donors that have committed to supporting the program through direct and in-kind donations.

Submit the completed application and supporting documents to the following:

Director of Workforce Development
Kansas Board of Regents
1000 SW Jackson St., Suite 520
Topeka, Kansas 66612-1368

KBOR Excel in CTE Fee Summary for Proposed Academic Programs
CA-1b Form (2020)

*Per statute (K.S.A. 72-3810), the Kansas Board of Regents shall establish general guidelines for tuition and fee schedules in career technical education courses and programs. The Excel in CTE tuition and fee schedule of every technical education program shall be subject to annual approval.
Please include all costs charged to **high school students** for the proposed new program.*

Institution Name:	Washburn Institute of Technology	
Program Title;	Plumbing Technology	
Program CIP Code:	46,0503 Plumbing Technology/Plumber	
<i>Please list all fees associated with this program: Only list costs the institution is charging students.</i>		
Program Fee	Short Description	Amount
Tools	Students will be asked to purchase tools to be used while in class; Students keep those tools and use them while employed as well	\$150-200
Safety gear	Work shirts and safety glasses	\$56
Exam fee	Journeyman's Plumbers Licensing Exam Fee (Paid to a private testing center)	\$115
<i>Please list all courses within the program and any fees associated to those courses: Only list costs the institution is charging students. Do not duplicate expenses.</i>		
Course Fee	Short Description	Amount
PLU 101 Introduction to Plumbing Technology (3 credits)	Textbook- NCCER Plumbing, Level 1 Updated, 4th edition	\$100
IND 111 OSHA 30 Hour Construction Ind Cert (3 credits)	EOS General Industry Student PK 2019	\$56
PLU 107 Plumbing Installation (3 credits)	Textbook- NCCER Plumbing, Level 2 (4th edition)	\$135
PLU 109 Plumbing Systems and Codes (3 credits)	Textbook, NCCER Plumbing, Level 4 (4th edition)	\$95
PLU 111 Plumbing Systems II (3 credits)	Textbook- NCCER Plumbing, Level 3 (4th edition)	\$135

<i>Please list items the student will need to purchase on their own for this program:</i>		
Item	Short Description	Estimated Amount

Carl D. Perkins Funding Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2020)

Name of Institution	Washburn Institute of Technology
Name, title, phone, and email of person submitting the Perkins Eligibility application <i>(contact person for the approval process)</i>	Dr. Mike Strohschein Associate Dean, Technical Instruction mike.strohschein@washburn.edu
Name, title, phone, and email of the Perkins Coordinator	Marie Hall Grants Facilitator 785-670-3327 marie.hall@washburn.edu
Program Name	Plumbing Technology
Program CIP Code	46.0503
Educational award levels <u>and</u> credit hours for the proposed request	30 credits; Certification B
Percentage of tiered credit hours for the educational level of this request	80%
Number of concentrators for the educational level	25
Does the program meet program alignment?	N/A
Justification for conditional approval: <i>(this section must reference information found within the Local Needs Assessment)</i>	<p>The job outlook is improving for Plumbing Technology. According to the Kansas Department of Labor's Long Term Occupational Outlook, Plumbing Technology, CIP code 46.0503 (Plumbing Technology/Plumber), which aligns with SOC code 47-2152 (Plumbers, Pipefitters and Steamfitters), the job outlook for plumbers is expected to increase 6% over the next ten years. The average annual wage is \$56,810. The background needed for entry into this occupation is HS diploma and apprenticeship.</p> <p>Data from the 2020 Perkins Local Assessment indicate there is a great area of opportunity for students trained in the construction trades. The Topeka Regional Needs Assessment identified labor market data for CIP code 46 Construction Trades. CIP Code 49 is identified as a Gap in labor being supplied. There are 1,739 Construction openings for students with a high school diploma and 244 openings for post-secondary graduates. Plumbing is not</p>

Carl D. Perkins Funding Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2020)

	named specifically, but this data, along with feedback from the advisory board and Kansas Department of Labor indicate there is a local need for highly skilled plumbers in the Topeka area.
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Signature of College Official 

Date 8/17/21

Signature of KBOR Official _____

Date _____

Kansas Promise Eligibility Request Form

CA-1d Form (2021)

This application should be used for new programs (currently in the program approval process) or existing programs the institution would like reviewed for Kansas Promise eligibility.

A complete list of approved Promise Eligible programs may be located at:
https://www.kansasregents.org/students/student_financial_aid/promise-act-scholarship

Program Eligibility

2021 House Bill 2064, section 2, (7) (A) identifies promise eligible programs as (i) Information Technology and Security, (ii) Mental and Physical Healthcare, (iii) Advanced Manufacturing and Building Trades, (iv) Early Childhood Education and Development.

Section 3, (c) allows for the postsecondary educational institution to designate an additional promise eligible program that corresponds to a high wage, high demand, or critical need occupation. The Act further states the postsecondary educational institution shall maintain the promise eligible program for at least three consecutive years.

Name of Institution	Washburn Institute of Technology
Name, title, and email of person responsible for Academic program	Dr. Mike Strohschein Associate Dean, Technical Instruction mike.strohschein@washburn.edu
Name, title, and email of Financial Aid contact	April Sidesinger Assistant Director Financial Aid April.sidesinger@washburn.edu

Add programs under the appropriate category the institution would like reviewed for Kansas Promise Eligibility. Add additional rows as needed.

Information Technology and Security			
CIP Code	Program Name	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date (FA21, SP22, SU22)

Mental and Physical Healthcare			
CIP Code	Program Name	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date (FA21, SP22, SU22)

Advanced Manufacturing and Building Trades			
CIP Code	Program Name	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date (FA21, SP22, SU22)

Kansas Promise Eligibility Request Form

CA-1d Form (2021)

46.0503	Plumbing Technology	Certificate	FA22
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Early Childhood Education and Development			
CIP Code	Program Name	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date (FA21, SP22, SU22)

The postsecondary educational institution may designate an additional promise eligible program that corresponds to a high wage, high demand, or critical need** occupation.

College Designated Program				
CIP Code	Program Name	High Wage, High Demand, or Critical Need	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date (FA21, SP22, SU22)

**If the above program is considered “critical need,” please provide supporting documentation:

Signature of College Official  Date 8/17/21

Signature of KBOR Official _____ Date _____

Special Note to Kansas Independent Colleges:

Please carbon copy the KICA contact below when submitting this application to the Kansas Board of Regent office:

Matt Lindsey, President KICA
matt@kscolleges.org