New Program Request Form
CA1

General Information

Institution submitting proposal	Wichita State University Campus of Applied Sciences and Technology
Name, title, phone, and email of person submitting the application (*contact person for the approval process)*	Dr. Jennifer Seymour Vice President, Applied Technologies and General Education Jseymour2@wsutech.edu 316.677.1695
Identify the person responsible for oversight of the proposed program	Jessi Lane Dean, Applied Technologies
Title of proposed program	Electrical Technology
Method of program delivery (face to face, online, hybrid)	Hybrid and Face to Face delivery
Proposed suggested Classification of Instructional Program (CIP) Code	46.0302
CIP code description (from nces.ed.gov/ipeds)	Electrician A program that prepares individuals to apply technical knowledge and skills to install, operate, maintain, and repair electric apparatus and systems such as residential, commercial, and industrial electric-power wiring; and DC and AC motors, controls, and electrical distribution panels. Includes instruction in the principles of electronics and electrical systems, wiring, power transmission, safety, industrial and household appliances, job estimation, electrical testing and inspection, and applicable codes and standards.
Standard Occupation Code (SOC) associated to the proposed CIP code	47-2111
SOC description (from onetonline.org)	Install, maintain, and repair electrical wiring, equipment, and fixtures. Ensure that the work is in accordance with relevant codes. May install or service streetlights, intercom systems, or electrical control systems.
Number of credits for the degree and all certificates requested	Technical Certificate – 37 Credits Associate of Applied Sciences – 60 Credits
Proposed Date of Initiation	8/2025
Specialty program accrediting agency	NCCER Training Center

Industry-recognized certification(s) to be earned by students	Journeyman electrician exam – graduates of the program have completed the coursework required to sit for the exam OSHA 10 Safety NCCER - Level 1 – 3 NC3 certifications earned through the coursework • NC3- Advanced Bending • NC3- Electrical/Brand/Series and Termination • NC3- Phase Sequencing and Motor Rotation • NC3- Insulation and Ground Rod Resistance • NC3 - Wire Pathways • NC3 - Hand Bending • NC3 - Basic Conduit Bending • NC3-Fishing Conduits/Raceways Cable Pulling

Signature of College Official  Date 10/09/2024

Signature of KBOR Official _____ Date_____

Narrative

Completely address each one of the following items for new program requests. Provide any pertinent supporting documents in the form of appendices, (i.e., minutes of meetings, industry support letters, CA-1a form).

Institutions requesting subordinate credentials (i.e., requesting a CERTB when an AAS is already approved, and coursework is a subset of existing courses) need only submit the following sections:
1) General Information,
2) Program Rationale,
3) Demand for the Program (all 10-year Occupational Outlook data and Perkins CLNA information),
4) Complete catalog descriptions (including program objectives) for the proposed program,
5) List by prefix, number, title, and description all courses (including prerequisites) to be required or elective in the proposed program,
6) List any pertinent program accreditation available (rationale for seeking or not seeking accreditation and plan to achieve accreditation),
7) CA-1b if Excel in CTE fees if requesting approved to charge fees that are not already approved,
8) CA-1d if requesting eligibility for Promise Scholarship, and
7) Program Approval at the Institution Level

Program Rationale

- Provide an overall explanation and background surrounding the development of the proposed program. Include why the program is needed, where the idea to offer the program came from (including the requesting entity), number of projected enrollments, and who was involved in the development of the program.

The Kansas 2022-2032 Occupational Report indicates there will be an annual demand for 642 new electricians in the state over the next ten years. The same report indicates a .9% annual change in the occupation which is triple (.3%) the average change for occupations in Kansas. Additionally, the occupation appears on the 2023 Kansas High Demand report with a total demand score of 21. The 2023 K-TIP report indicated only 166 graduates were employed in the industry to meet the large demand. If approved, the proposed Electrician Technology program is projected to start with an enrollment of 10 students, with plans to expand to two cohorts of 20 students each by year two.

The development of the proposed Electrician Technology program at WSU Tech was driven by local industry demand and student interest. The idea to pursue this program originated partly from a discussion initiated by Jim Herren from Kansas Department of Corrections Washburn, which highlighted the challenges faced by students from the Juvenile Detention Center in Topeka, KS. These students, upon release, returned to their homes in the Wichita area and could not complete their Electrician Technology degrees due to the lack of a program in the Wichita area. This gap presented an opportunity for WSU Tech to fill a crucial educational and workforce need, while also contributing to reducing recidivism among these individuals. Additionally, WSU Tech's Enrollment Services tracked over 30 inquiries from prospective students interested in an electrician program, confirming significant local interest. These conversations were followed up with a comprehensive review of the career cluster in the local and regional areas. The next step was to bring in industry leaders to validate the findings. The local and reginal leaders from IdeaTech, Redguard, and Evergy validated the demand for skilled electricians and revealed a substantial and growing demand for electricians in the South-Central region of Kansas.

The Journeyman Electrician Exam requires students to complete both coursework and on the job training. The proposed program will be scheduled to provide students with the opportunity to work in industry while attending classes. Adult students will attend classes two days a week leaving the remaining days available to on-the-job training. This allows students to begin the process of building the on-the-job hours. Industry has indicated they would consider hiring students while they are still taking classes, and the college continues to work with industry to find partners willing to provide this opportunity. (Appendix O). However, the proposed program does not include a required applied learning experience. This allows students who choose to focus on their classroom work to complete the education requirements before entering the field.

- If the recommended program is duplicative of other programs in the area, please specifically address why the new, additional program is necessary.

The Wichita economic region does include IBEW Local 2710 which provides electrician training for those interested in taking the union path to their journeyman certification. Additionally, the state of Kansas includes 11 KBOR aligned electrician technology programs. Despite these educational options for students the economic data clearly indicates there are not enough qualified electricians to fill the 6000 plus job openings expected in between 2022 and 2032. The most recent K-Tip report indicates enrollment across the state is a little over 600 however the graduation rates and graduation/employment numbers are significantly lower at 292 and 166 respectively. Additionally, the students from the Wichita area who start their coursework while attending the KJCC – Washburn program need a KBOR aligned program in Wichita, so they can complete their coursework without losing time or credits.

Program Description and Requirements

- Provide a complete catalog description (including program objectives/outcomes) for the proposed program.

The Electrical Technology program offers a comprehensive curriculum designed to prepare graduates to take the Journeyman Electrician licensure exam. This program prepares students to apply technical knowledge and skills in the installation, operation, maintenance, and repair of electric apparatus and systems. Students will gain a solid foundation in electronics, electrical systems, wiring methods, power transmission, safety practices, and applicable codes and standards. The program includes a wide range of courses that cover essential topics in electrical technology. Students will develop a strong understanding of AC/DC circuits, print reading, residential and commercial wiring, motor controls, low voltage wiring, programmable logic controllers, and fire alarm, emergency, and health care systems. They will also explore the emerging fields of solar and wind power generation. In addition to the specialized courses, students will complete 15 credits of general education courses to enhance their communication, critical thinking, and problem-solving skills.

- Apply Technical Knowledge and Skills: Graduates will possess the technical knowledge and skills necessary to install, operate, maintain, and repair various electric apparatus and systems. They will demonstrate proficiency in electrical power wiring, DC and AC motors, controls, electrical distribution panels, and low voltage wiring.

- Interpret Electrical Diagrams: Students will be able to read and interpret electrical diagrams, schematics, and blueprints accurately. They will understand symbols, labels, and annotations commonly used in electrical drawings, enabling them to effectively plan and execute electrical installations and repairs.
- Execute Residential and Commercial Wiring: Graduates will demonstrate competence in residential and commercial wiring methods. They will be able to select and install appropriate wiring materials, adhere to safety regulations, and apply the National Electrical Code (NEC) requirements in wiring residential and commercial buildings.
- Comprehend the National Electrical Code: Students will gain a comprehensive understanding of the National Electrical Code (NEC) and its practical application in electrical installations. They will be able to identify and interpret NEC requirements, ensuring compliance with safety standards and industry best practices.
- Implement Motor Control Systems: Graduates will possess the knowledge and skills to install, operate, and troubleshoot motor control systems. They will understand motor control diagrams, wire motor control circuits, and employ appropriate testing and troubleshooting techniques to ensure optimal performance.
- Perform Low Voltage Wiring: Students will learn to install and maintain low voltage wiring systems commonly found in residential, commercial, and industrial settings. They will be able to work with data, voice, and video cabling, security systems, and other low voltage applications.

- Include any work-based learning requirements of the program, such as clinicals, internships, etc. If clinical experience is required, please identify whether sufficient clinical sites are available.

To obtain their journeyman certification WSU Tech students will need to complete 2000 hours of on-the-job training for each year over four years in addition to the required classroom time. The WSU Tech Electrical Technology program schedule will be developed to accommodate students working in the industry as they move through their course work. Adult students will attend classes two days a week leaving the remaining days available to on-the-job training.

- List and describe the admission and graduation requirements for the proposed program.

Admission Requirements:

- The requirements for admission to the Electrician Technology program are:
- Attainment of 16 or more years of age
- Completion of application and related procedures

Transfer Students

- Admission of transfer students to the Electrician Technology program contingent upon their meeting the following requirements:
- Regular admission and good standing at a regionally accredited technical certificate or degree granting institution and proper completion of applications and related procedures.

Program Requirements

- 37 semester credits for technical certificate semester credits for the associate applied sciences degree with an overall GPA of 2.0 or higher.
- A passing grade in all courses (grade of C) within the student's declared program of study.
- At least 25 percent of credits must be earned at WSU Tech.
- Recommendation for graduation by the registrar.

Graduation Requirements

To be awarded an AAS degree or technical certificate, students must pass all required coursework, submit required transcripts for transfer credit and meet all academic, financial, or other obligations required for their program of study. To be eligible for graduation, students must have an overall GPA of at least 2.0. WSU Tech urges students to continuously monitor their educational progress. Before the final semester or registration period, students must meet with an Academic Advisor to ensure all requirements will be finished before the anticipated graduation date.

Demand for the Program

- Using the most recent Kansas Department of Labor's Long Term (10-year) Occupational Outlook, (https://klic.dol.ks.gov) identify employment trends and projections for the SOC code identified in the General Information section: annual occupational growth, estimated annual median wages, and typical education level needed for entry.
    - Labor information included should show demand in the occupation for the level of education being proposed for the program.
    - Include additional data for local and regional employer demand if available.
    - For new programs for which state-level labor data is not yet available, additional resources to demonstrate demand for the occupation being trained must be included. Job posting data (cite resource used and date of review) and projected hiring needs for employers (documented in employer letters of support) are examples of additional labor data documentation.

According to the Kansas Long-Term Occupational Projections (2022-2032), the employment prospects for graduates of the proposed program are excellent, with an expected 6,428 job openings over the ten years. These openings are projected to come roughly equally from employees exiting the field (2,234) and from transfers (3,622). This equates to an expected 8.9% increase in employment in the field, or 0.9% annually. The occupation also appears on the 2023 Kansas High Demand Occupation report with a total demand score of 21.

Data from other sources support the findings of the Kansas Long-Term Occupational Projections. JobsEQ (2023Q4) indicates that Sedgwick County, Kansas, can expect an annual growth rate of 0.5% in this field over the next seven years, resulting in 839 new employees (see C**hart A**). Additionally, Onet Online corroborates this information, showing that electricians (SOC 47-2111) are in a bright outlook category, with Kansas projected to see a 7% growth and an average of 590 annual job openings between 2020 and 2030.

Chart A

		Current						3-Year History	7-Year Forecast				
SOC	Occupation	Empl	Mean Ann Wages[2]	LQ	Unempl	Unempl Rate	Online Job Ads3	Ann %	Total Demand	Exits	Transfers	Empl Growth	Avg Ann Growth %
47-2111	Electricians	1,285	$63,900	0.97	23	2.00%	27	3.90%	839	303.00%	495	41.00%	0.50%

Chart B displays the median wage and typical education level required for entry into the field, based on three sources: the Kansas Long-Term Projections Report 2022-2032, JobsEQ, and Onet Online. The data indicates that the proposed program, offering either a Technical Certificate or an AAS degree, meets industry requirements while providing excellent starting wages for graduates.

Chart B

Data Source	Median wage	Typical education level needed for entry
Kansas Long – Term Projections Report 2022-2032	$59,880	High School Diploma or equivalent
JobsEQ	$63,900	High School Diploma or equivalent
Onet Online	$59,880	62% - Post Secondary Certificate 31% High School Diploma or equivalent

- Show demand from the local community. Provide letters of support from at least three potential employers in your region, which state the specific type of support they will provide to the proposed program. Examples of program supports may include commitments to interview graduates for job positions, providing scholarships, providing internships or other work-based learning opportunities, donation of equipment/materials, assistance with program design, serving on advisory board, etc.

Appendix A-C

- Provide data from the most recent Perkins Comprehensive Local Needs Assessment recommendations, demonstrating the need for the program initiation.

The most recent Perkins Comprehensive Local Needs Assessment (2/1/2024) highlights the necessity of the proposed program. The proposed program addresses the need for electricians which appears in the reports section dedicated to programs that are currently not offered but are needed in the region based on occupational demands. The CLPN provides support by pointing to the 2020-2030 Kansas Occupational Projections indicated 172 annual openings for electricians in the Wichita area. Additionally, the report cites JobsEQ data, revealing 68 active job advertisements for electricians in Workforce Region IV over the past 12 months.

- Describe/explain any business/industry partnerships specific to the proposed program.
  If a formal partnership agreement exists, agreement explaining the relationship between partners and documenting support to be provided for the proposed program must be submitted to the Board office independent from the CA1 materials for review purposes. The agreement will not be published or posted during the comment period.

The College will continue developing working relationships with area businesses and industry to develop internships, earn and learn opportunities, and guaranteed interviews for program participants/ graduates. These partnerships are of tremendous benefit for placement upon graduation and obtainment of the available certifications. Below is a list of the current business and industry representatives working with the proposed program. The willingness of these businesses and educational institutions working with WSU Tech to create this program speaks to the value WSU Tech places on industry and other partnerships.

Industry Advocate Team

Contact	Organization
Stephen Reed	Elite Electric

Aubrey Fugarino	The Lange Companies
Mike Garvey	Sandifer Controls
Mitch Hewitt	Redgaurd
Megan Shearer	Ideatek
Morgan Brees	Ideatek

Duplication of Existing Programs

- Identify similar programs in the state based on CIP code, title, and/or content. For each similar program provide the most recent K-TIP data: name of institution, program title, number of declared majors, number of program graduates, number of graduates exiting the system and employed, and annual median wage for graduates existing the system and employed.

Currently, 11 institutions in Kansas offer an Electrical Technology (CIP 46.0302) program. The 2023 K-TIP report shows that 607 students declared majors in Electrical Technology. However, only 166 students transitioned to employment in the electrician field after completing their education. This discrepancy highlights the need for the proposed program to address the significant demand detailed in the Kansas Long-Term Occupation Projections 2022-2032 and Onet Online. Chart C provides the details for each of the institutions.

Chart C

Name	program title CIP Code	number of declared majors	number of program graduates	number of graduates exiting the system and employed	annual median wage for graduates existing the system and employed
Coffeyville Community College	Electrician 46.0302	12	9	5	$28,339
Dodge City Community College	Electrician 46.0302	32	12	12	$29,773
Highland Community College	Electrician 46.0302	57	18	18	$36,989
Hutchinson Community College	Electrician 46.0302	15	*	*	*
Johnson County Community College	Electrician 46.0302	195	44	23	$45,105
Kansas City Kansas	Electrician 46.0302	95	31	19	$35,332

Community College					
Neosha County Community College	Electrician 46.0302	15	*	*	*
North Central Kansas Technical College	Electrician 46.0302	45	42	28	$37,990
Northwest Kansas Technical Collage	Electrician 46.0302	45	42	25	$47,106
Salina Area Technical Collage	Electrician 46.0302	13	9	6	$39674
Washburn Institute of Technology	Electrician 46.0302	83	43	30	$33,692

* Indicates the number has been marked for small-cell protection or no data has been reported.

- Was collaboration with similar programs pursued? Please explain the collaboration attempt, and if not pursued, rationale for why collaboration was not a viable option. (Recommend that collaboration opportunities be explored and documented with existing programs, examples include sharing best practices, recruitment and retention strategies, curriculum or equipment suggestions, working with business and industry on work-based learning opportunities, etc.)

As indicated in the rational section of this proposal the needs of students who attended Washburn Tech's electrician technology program was a contributing factor in the decision to develop a program at WSU Tech. During the development process WSU Tech worked closely with leaders in the Washburn Tech program on curriculum development thereby ensuring course alignment and ease of transferability.

Program Information

- If the program has undergone the alignment process at the state level, please review alignment requirements and ensure the courses, industry-recognized certifications, and accreditation requirements are met in the proposal. Listing of aligned programs can be found at: https://www.kansasregents.org/workforce_development/program-alignment

The proposed program meets the alignment requirements.

- List by prefix, number, title, and catalog description all courses (including prerequisites) to be required or elective in the proposed program.

See Appendix D

- Provide a Program of Study/Degree Plan for the proposed program including a semester-by-semester outline that delineates required and elective courses and notes each program exit point.

Revised/Approved April 2022, June 2023, March 2024, and July 2024

AAS - Electrical Technology

Fall

Course #	*Course Title*	*Credits*
ELE 120	***AC/DC Circuits***	4
ELE 110	***Print Reading***	2
ELE 180	***Residential Wiring I***	4
ELE 182	***Residential Wiring Lab***	4
ELE 150	***National Electrical Code I***	4
ELE 185	***Solar and Wind Power Generation***	3
SAF 135	***Safety/OSHA 30***	3

Spring

Course #	*Course Title*	*Credits*
ELE 130	***Commercial Wiring I***	4
ELE 132	***Commercial Wiring Lab***	4
ELE 135	***Low Voltage Wiring***	2
ELE 140	***Motor Controls***	2
ELE 160	***National Electrical Code II***	4
	Humanities Elective	3

Summer

Course #	*Course Title*	*Credits*
ELE 170	***Programmable Logic Controllers***	2
MTH	***Math Elective***	3

Fall

Course #	*Course Title*	*Credits*
ELE 190	***Fire Alarm, Emergency, and Health Care Systems***	3
ENG 101	***Composition I***	3
	Social Science Elective	3
	Communication Elective	3

TC CERT B - Electrical Technology

Fall

Course #	*Course Title*	*Credits*
ELE 120	***AC/DC Circuits***	4

ELE 110	***Print Reading***	2
ELE 180	***Residential Wiring I***	4
ELE 182	***Residential Wiring Lab***	4
ELE 150	***National Electrical Code I***	4
SAF 135	***Safety/OSHA 30***	3

Spring

Course #	***Course Title***	***Credits***
ELE 130	***Commercial Wiring I***	4
ELE 132	***Commercial Wiring Lab***	4
ELE 135	***Low Voltage Wiring***	2
ELE 140	***Motor Controls***	2
ELE 160	***National Electrical Code II***	4

- If the proposed program includes multiple curricula (e.g., pathways, tracks, concentrations, emphases, options, specializations, etc.), identify courses unique to each alternative.

The program does not include multiple curricula

- List any pertinent program accreditation available:
    - Provide a rationale for seeking or not seeking said accreditation.
    - If seeking accreditation, also describe the plan to achieve it.

WSU Tech is an NCCER accredited training center. The proposed program will utilize the NCCER Electrician curriculum and fall under the college's current NCCER umbrella.

- If the program/coursework will be made available to high school students, provide letters of support from local high schools and/or districts that intend to participate.

Appendix E

Faculty

- Describe faculty qualifications and/or certifications required to teach in the proposed program.

Technical Courses

WSU Tech will hire a full-time faculty member in the implementation year. The qualifications for these positions will meet or exceed the college qualification requirements for faculty teaching in CTE programs. Specifically, the successful candidates will have a minimum of 4000 hours in a manufacturing quality assurance position. Additionally, the successful candidate will either have or be willing to obtain an associate degree in a related field.

General Education Courses will be taught by existing faculty members who meet or exceed the following standards:

Transferable General Education Faculty:

Qualified faculty members are identified primarily by credentials, but other factors, including but not limited to equivalent experience, may be considered by the institution in determining whether a faculty member is qualified". To comply, all instructors will be assessed by the following:

1. Master's A: Master's degree or higher within subject area of teaching, or
2. Master's B: Master's degree or higher not in subject area and 18 hours of graduate course work within subject area of teaching, or
3. Meet a minimum of a 3 on the Education & Years of Experience rubric standards

Category	**4**	**3**	**2**	**1**
Education	Master's degree in content area or Master's degree plus 18 grad level hours in content area	Master's degree plus 9 grad level hours in content area	Master's degree (subject other than content area)	Bachelor's degree and enrolled in graduate program
Experience	10+ years of experience in discipline or industry	5+ years of experience in discipline or industry	3+ years of experience in discipline or industry	Less than 3 years of experience in discipline or industry

Cost and Funding for Proposed Program

- Provide a detailed budget narrative that describes all costs associated with the proposed program (physical facilities, equipment, faculty, instructional materials, accreditation, etc.).

Personnel

The college will hire a full-time faculty member for the proposed program. Orville Brown, Associate Dean of Applied Technologies will provide the necessary administrative functions such as scheduling, program review etc. in collaboration with the faculty member.

Physical facilities:

WSU Tech will house the Electrical Technology program at the City Center location. This facility has more than sufficient classroom and lab space to accommodate the proposed program.

Instructional Equipment

During the implementation year, the proposed program will spend 154,397.17 for program equipment. There will be no additional equipment cost through year three. Appendix F has a full break down of equipment.

Appendix F

In years 1 - 3, the proposed program will have $10000 for instructional supplies and technology paid for with institutional funds.

Instructional Materials: WSU Tech follows an all-inclusive finance model in which instructional materials such as software or consumable lab supplies are incorporated into the cost of tuition resulting in no additional cost to students. Standing outside of this cost structure are books (either physical or digital), testing feels, and tools.

The fees listed below are for adult students only. High school students do not pay these fees.

Books and Tools

Course Number		Cost
SAF 101	Testing Fee	65.00
ELE 180	Testing Fee	24.00
	15 credits of General Education	$1020.00

Advising Services

Advising prospective students will be shared between the Electrician Technology program and the college's Student Services staff. As with other programs offered by the college, Student Services personnel provide general information, assist students with admission to the college, and transfer credits. Program personnel supply detailed information about the Electrician Technology program. The Financial Aid Specialist provides financial aid advice.

Additional services:

WSU Tech supplies various services to students designed to ensure they are successful in their educational pursuits. There is no charge for these services except the Laptop Loan Service provided by the IT department.

NetTutor – available when the student is ready NetTutor is a 24/7 online tutoring service that provides effective as-needed tutoring in all topics, including general education discipline and technical areas such as nursing and engineering.

Tutoring Hub: As part of the Learning Services department the Tutoring Hub's services are available at the WSU Tech South Campus and online via Zoom. General education topics, such as Sciences, Math, English, writing, social sciences, humanities and test prep as well as technical topics such as Blueprint Reading and Accounting, are available.

Technology support for WSU Tech online students includes a student help desk which provides technology assistance as needed, enhanced WIFI hot spots at all WSU Tech locations, and student Laptop Loan service available for a nominal fee ($50.00 per semester).

Student Portal (Pathify)– The portal provides students with immediate access to all the services provided by the college. The portal includes links to events occurring on campus, access to Registrar and Financial Aid resources as well as access to the Learning Management System (Canvas).

On Deck at Tech – is a series of live and online sessions designed to provide an overview of student life at WSU Tech. The sessions utilize a gamification model to move students through required and optional sessions where winning prizes is the reward for completion!

UThrive Student Resource Centers – located at the NCAT, WSUTech South, and City Centers locations provide on-site and community resources to help students succeed, such as food pantry, mentoring, or referrals to tutoring or counseling.

Online Student Services Support: All student services, including academic advising, enrollment, and financial aid, are available to students in the online environment.

Wrap Around Services: to prepare students for the rigors of college coursework, WSuTech provides a variety of wrap-around services, including:

- **Library:** The library is on the South campus, while the NCAT facility includes a shared space that houses both library and tutoring. Also, online library services are available to all students and include access to extensive database services like EBSCOhost and ProQuest. Students can also access several databases by signing up for the Kansas Library Card.
- **Student Mentoring:** WSUTech provides a formalized academic mentoring program for students with academic risk factors. This program pairs students with faculty volunteers to ensure students meet their academic obligations and goals.
- **Academic Success Clinics:** At the beginning of the Fall and Spring semesters, WSUTech hosts workshops and events designed to engage students in the academic side of college. Topics include notetaking skills, dealing with stress, test-taking skills, accessible technologies and other resources such as the IT help desk and the Colab.
- **TRIO Student Support Services:** For students who meet the college's TRIO eligibility requirements, WSU Tech provides services designed to help students maximize their potential and meet their educational goals. These services include academic coaching, tutoring, financial planning, transfer assistance, cultural enrichment, career exploration, and mentoring**.**
- **The Department of Student Engagement**: This department provides students with opportunities to engage in college life outside the classroom. Activities include student organizations and clubs such as Skills USA, Veterinary Nursing Club, Hispanic American Leadership Organization (HALO), Presidents Advisory Council (PAC), and Esports. Other activities include welcome week events such as "Hunt a Duck", Spring Oasis, and lecture series on current topics.
- **The Office of Disability Services:** coordinates services for students with disabilities.
- **Learning Services** include Career Services, Testing and Tutoring. Students are provided career coaching and resume and interview workshops. The department hosts multiple industry sector focused job fairs which bring in employers from around the Wichita region.
- **Collaboration Lab:** The Collaboration Lab (CoLab) provides students, faculty, and staff access to the latest technologies to enhance the learning experience. The technologies include HoloLens, green screens, a recording studio with audio and visual capabilities, and online and on-ground meeting spaces equipped with up-to-date technology providing collaboration and recording capabilities. While physically located at the WSU Tech South Campus, the CoLab technologies are available at other WSU Tech locations via a mobile version of the lab.

- Provide details on **CA-1a form.**

Appendix G

- Describe any grants (including requirements of the grant) or outside funding sources that will be used for the initial startup of the new program and to sustain the proposed program.

The college has proactively sought external funding to support the startup of the new Electrician Technology program. Specifically, the college has submitted applications for both the Lowe's Grant and the Patterson Family Grant, requesting a combined total of over $200,000.

While the college did not receive the Lowes Grant, the Lowes Foundation made a donation in the amount of $25,000 to be used for any skilled trades program. We are still awaiting a decision on the Patterson Family Grant, expected by November 2024. If the Patterson Family Grant is awarded, it will cover all the necessary equipment for the program's startup. In that case, the college plans to reallocate the Lowe's funds.

Should the Patterson Family Grant not be received, the college will rely on the $25,000 from the Lowe's Foundation and utilize additional internal funding from the WSU Tech Program Development fund to cover the equipment purchases for the Electrician Technology program. This flexible funding strategy ensures that the program will be equipped and ready to launch regardless of the outcome of the Patterson Family Grant application.

Appendix H and I

- **Additional cost and funding documents to include as needed:**
  - Provide Excel in CTE fee details on the **CA-1b form** if the program will be offered to high school students and requesting approval for fees.

N/A

  - If the program is requesting Perkins funding, provide details on the **CA-1c form**.

Appendix J

  - If the program is requesting KS Promise Act eligibility, provide details on the **CA-1d form**.

Appendix K

Program Review and Assessment

- Describe the institution’s program review cycle, and anticipated review timeframe for proposed program.

The Electrician Technology program will complete the same assessment and Program Review processes used for all other programs throughout the college.

Assessment of Student Learning

WSU Tech utilizes the WIDS (Worldwide Instructional Design System) curriculum management system to house curriculum and assessment documentation. The college has adopted a set of four student learning outcomes (SLOs) that all students, regardless of program, are expected to master. These four SLOs are the institutional outcomes that address learning experiences inside and outside the classroom. All programs have defined learning outcomes at the program level, outlined in the Program Outcome Summary report in WIDS. Each year, the program's Industry Advocate Team reviews program outcomes, content, and competencies in addition to admission requirements and equipment. Faculty work with the Director of Assessment to align the SLOs and program learning outcomes to courses and

assessment activities; these alignments are revisited and updated every three years, or sooner if warranted by curriculum changes, during the program review process. The Electrical Technology program will complete curriculum maps in Fall of 2025

The curricular assessment processes are documented via the Outcome Assessment Plan (OAP) and Analysis (OAP/Analysis), completed annually and housed in WIDS. During the planning phase of the curricular assessment cycle, faculty identify student learning experiences and assessment tools for measuring student achievement of the institutional, program, and course learning outcomes. All SLOs are assessed yearly in courses specified in the annual OAP across all programs and are measured using college-wide common rubrics with a program data collection plan outlined within the OAP. Faculty evaluate students throughout the program for mastery of knowledge and technical skills using various assessment activities in which data is collected and aggregated. Data visualization reports are used during the analysis phase to identify student learning trends, achievements, and challenges to determine appropriate instructional revisions and interventions to improve the student learning experience. The program will launch an OAP assessment plan and begin data collection in Fall 2025

Program Review

Program reviews are conducted over a three-year cycle and involve collaboration between faculty, staff, and administration to evaluate the program thoroughly, reflect on strengths/weaknesses, and set strategic goals for improvement. Additionally, programs participate in a "Semester Snapshot" activity in which progress towards previous goals and special projects and initiatives is documented and archived for later reference. During the Program Review process, faculty and program leadership revisit past snapshots, OAP analyses, course reviews, and other information and data sources to evaluate the implementation of instructional quality improvements. A combination of interactive data dashboards and static Program Review IR Data Reports provided by the Institutional Effectiveness Department are utilized. These data sets, including enrollment, demographics, course offerings, applications, completions, credentials, placement, retention, and completion, allow faculty to reflect and plan for continuous quality improvement while ensuring program goals, institutional mission, and accreditation standards are met. These data sets are also used when evaluating the performance of a program when being considered for closure or suspension per the colleges Program Performance Review and Closure Policy 5-05.

The program will initiate the Program Review process with the first Semester Snapshot report in Spring 2025 and will partake in the entirety of the formal Program Review process in AY 2029

Program Approval at the Institution Level

Appendix L - N

- Provide copies of the minutes at which the new program was approved from the following groups:
    - Program Advisory Committee
      (Including a list of the business and industry members)
    - Curriculum Committee
    - Governing Board
      (Including a list of all Board members and indicate those in attendance at the approval meeting)

Program Proposal Submission

- Please enter proposed program into the Kansas Higher Education Data System (KHEDS)
- Please create a PDF of all documents, and submit the completed application to the following:

Charmine Chambers
Director for Workforce Development
cchambers@ksbor.org

Crystal Roberts
Associate Director for Workforce Development
croberts@ksbor.org

Collaboration Agreement between
Wichita State University Campus of Applied Sciences and Technology (WSU Tech)
and Evergy

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Evergy to provide support and opportunities for the programs outlined in this document to publicly support WSU Tech students.

Background
This MOU serves as notification that Evergy recognizes a need to develop a talent pool in this industry for specific program(s). This partnership outlines opportunities for the organization to support WSU Tech. The opportunities are listed below in their entirety and include membership on the Industry Advocate Team, hosting Applied Learning Opportunities, and providing Guaranteed Interviews and/or other aspects of support designed to increase the workforce by removing barriers for individuals being trained to enter the pipeline.

Purpose
This MOU will establish the role of and scope of agreed involvement for Evergy in regard to aforementioned programs. Involvement and participation is defined by supporting the goals set out below and providing use of the company logo for outreach, coordination, and retention campaigns/ events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Evergy undertaking the following activities in these critical areas. (Please check which areas you wish to participate in.)

Business/IndustryPartnerwill:

- ☐ Provide a guaranteed interview opportunity to graduates of the following program(s): Electrical Technology at one of WSU Tech Campuses or at industry partner facility.
- ☑ Engage in Industry Advocate Team meetings twice a year to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- ☑ Provide up to date job descriptions, credential requirements, and application instructions for positions you are actively recruiting for.
- ☑ Provide constructive feedback to interviewed graduates as appropriate.
- ☐ Provide information regarding hiring requirements, trends, or changes in requirements to WSU Tech.
- ☐ Donate to WSU Tech labs (i.e. metal or other materials, tools, machinery, etc.)
- ☐ Refer denied applicants to further training at WSU Tech.
- ☐ Actively host students in applied learning activities such as apprenticeships, internships or independent study options for this program(s).

Reporting of Outcomes

Reports and evaluation of program effectiveness and adherence to the agreement will be ongoing and communicated to employer partners annually. Any student hired will require the following reporting: date of hire, hourly wage, status of employment 30, 60, 90 days after initial hire, and if no longer employed, the reason for separation.

Additional data may be requested to comply with associated grant requirements.

Funding

This MOU is not a commitment of funds; however, WSU Tech personnel are available to discuss scholarship opportunities to help business partners grow their own workforce as well as social media marketing and asset donations.

Duration

This MOU is at will and may be modified by mutual consent of authorized officials from WSU Tech and Evergy . This MOU shall become effective upon signature by the authorized officials from WSU Tech and Evergy and will remain in effect until modified or terminated by any one of the partners by mutual consent.

Your generosity and collaboration for the students of WSU Tech is greatly appreciated and we are honored to have you as a supporter and partner!

Notice of Nondiscrimination

The WSU TECH Board of Directors supports and complies with Title VI and Title VII of the Civil Rights Act of 1964 as amended, Section 504 of the Rehabilitation Act of 1973 and Amendments, The Americans with Disabilities Act, Title IX and all requirements imposed by or pursuant to the regulations of the Department of Health and Human Services and the Department of Education. It is the policy of the Board of Directors that no person in the United States (on the grounds of race, color, religion, sex, national origin, ancestry or disability) shall be excluded from participation in, denied the benefit of or otherwise subjected to discrimination under any program or activity of, or employment with WSU Tech. Persons with inquiries may contact the Human Resources Director at 4004 N. Webb Road Wichita, KS 67226 or by phone at 316.677-9500.

Legal Citation

Opportunities in Applied education and job placement at WSU TECH are available to all students regardless of race, color, national origin, sex or disability in compliance with Title VI:34 CFR 100.3(b) Guidelines VII-A, Title IX: 34 CFR 106.31(d), Section 504: CFR 104.4(b)

This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Evergy to provide the above checked services for the Electrical Technology programs to publicly support WSU Tech students.

Contact Information and Signatures

Company Name: Evergy, Inc
Partner Representative Name: Rachel White
Position Title: Sr Mngr Workforce Pipeline Development
Address: 1900 E Central
Telephone: 316-253-4018
E-mail: Rachel.White@evergy.com
Signature: Rachel Marie White Digitally signed by Rachel Marie White Date: 2024.09.27 09:53:25 -05'00'
Date: 9/27/24

WSU Tech
WSU Tech Representative Name: Jessi Lane
Position: Dean of Applied Technologies
Address: 4004 N. Webb Rd., Wichita, KS 67226
Telephone: 316-677-9916
E-mail: jlane11@wsutech.edu
Signature: _____
Date: 9/27/24

Collaboration Agreement between
Wichita State University Campus of Applied Sciences and Technology (WSU Tech)
and Redguard

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Redguard to provide support and opportunities for the programs outlined in this document to publicly support WSU Tech students.

Background

This MOU serves as notification that Redguard recognizes a need to develop a talent pool in this industry for specific program(s). This partnership outlines opportunities for the organization to support WSU Tech. The opportunities are listed below in their entirety and include membership on the Industry Advocate Team, hosting Applied Learning Opportunities, and providing Guaranteed Interviews and/or other aspects of support designed to increase the workforce by removing barriers for individuals being trained to enter the pipeline.

Purpose

This MOU will establish the role of and scope of agreed involvement for Redguard in regard to aforementioned programs. Involvement and participation is defined by supporting the goals set out below and providing use of the company logo for outreach, coordination, and retention campaigns/ events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Redguard undertaking the following activities in these critical areas. (Please check which areas you wish to participate in.)

Business/IndustryPartnerwill:

- [x] Provide a guaranteed interview opportunity to graduates of the following program(s): Electrical Technology at one of WSU Tech Campuses or at industry partner facility.
- [x] Engage in Industry Advocate Team meetings twice a year to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- [x] Provide up to date job descriptions, credential requirements, and application instructions for positions you are actively recruiting for.
- [x] Provide constructive feedback to interviewed graduates as appropriate.
- [x] Provide information regarding hiring requirements, trends, or changes in requirements to WSU Tech.
- [ ] Donate to WSU Tech labs (i.e. metal or other materials, tools, machinery, etc.)
- [ ] Refer denied applicants to further training at WSU Tech.
- [ ] Actively host students in applied learning activities such as apprenticeships, internships or independent study options for this program(s).

Reporting of Outcomes

Reports and evaluation of program effectiveness and adherence to the agreement will be ongoing and communicated to employer partners annually. Any student hired will require the following reporting: date of hire, hourly wage, status of employment 30, 60, 90 days after initial hire, and if no longer employed, the reason for separation.

Additional data may be requested to comply with associated grant requirements.

Funding

This MOU is not a commitment of funds; however, WSU Tech personnel are available to discuss scholarship opportunities to help business partners grow their own workforce as well as social media marketing and asset donations.

Duration

This MOU is at will and may be modified by mutual consent of authorized officials from WSU Tech and Redguard . This MOU shall become effective upon signature by the authorized officials from WSU Tech and Redguard and will remain in effect until modified or terminated by any one of the partners by mutual consent.

Your generosity and collaboration for the students of WSU Tech is greatly appreciated and we are honored to have you as a supporter and partner!

Notice of Nondiscrimination

The WSU TECH Board of Directors supports and complies with Title VI and Title VII of the Civil Rights Act of 1964 as amended, Section 504 of the Rehabilitation Act of 1973 and Amendments, The Americans with Disabilities Act, Title IX and all requirements imposed by or pursuant to the regulations of the Department of Health and Human Services and the Department of Education. It is the policy of the Board of Directors that no person in the United States (on the grounds of race, color, religion, sex, national origin, ancestry or disability) shall be excluded from participation in, denied the benefit of or otherwise subjected to discrimination under any program or activity of, or employment with WSU Tech. Persons with inquiries may contact the Human Resources Director at 4004 N. Webb Road Wichita, KS 67226 or by phone at 316.677-9500.

Legal Citation

Opportunities in Applied education and job placement at WSU TECH are available to all students regardless of race, color, national origin, sex or disability in compliance with Title VI:34 CFR 100.3(b) Guidelines VII-A, Title IX: 34 CFR 106.31(d), Section 504: CFR 104.4(b)

This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Redguard to provide the above checked services for the Electrical Technology programs to publicly support WSU Tech students.

Contact Information and Signatures

Company Name: RedGuard
Partner Representative Name: Aubrey Fugarino
Position Title: Recruiter
Address: 401 W 47th Street S Wichita KS
Telephone: 316-315-9345
E-mail: aubreyr@redguard.com
Signature: _____
Date: 10/3/24

WSU Tech
WSU Tech Representative Name: Jessi Lane
Position: Dean of Applied Technologies
Address: 4004 N. Webb Rd., Wichita, KS 67226
Telephone: 316-677-9916
E-mail: jlane11@wsutech.edu
Signature: _____
Date: 10/3/24

Collaboration Agreement between
Wichita State University Campus of Applied Sciences and Technology (WSU Tech)
and Ideatek

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Ideatek to provide support and opportunities for the programs outlined in this document to publicly support WSU Tech students.

Background

This MOU serves as notification that Ideatek recognizes a need to develop a talent pool in this industry for specific program(s). This partnership outlines opportunities for the organization to support WSU Tech. The opportunities are listed below in their entirety and include membership on the Industry Advocate Team, hosting Applied Learning Opportunities, and providing Guaranteed Interviews and/or other aspects of support designed to increase the workforce by removing barriers for individuals being trained to enter the pipeline.

Purpose

This MOU will establish the role of and scope of agreed involvement for Ideatek in regard to aforementioned programs. Involvement and participation is defined by supporting the goals set out below and providing use of the company logo for outreach, coordination, and retention campaigns/ events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Ideatek undertaking the following activities in these critical areas. (Please check which areas you wish to participate in.)

Business/IndustryPartnerwill:

- [x] Provide a guaranteed interview opportunity to graduates of the following program(s): Electrical Technology at one of WSU Tech Campuses or at industry partner facility.
- [ ] Engage in Industry Advocate Team meetings twice a year to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- [x] Provide up to date job descriptions, credential requirements, and application instructions for positions you are actively recruiting for.
- [x] Provide constructive feedback to interviewed graduates as appropriate.
- [x] Provide information regarding hiring requirements, trends, or changes in requirements to WSU Tech.
- [ ] Donate to WSU Tech labs (i.e. metal or other materials, tools, machinery, etc.)
- [ ] Refer denied applicants to further training at WSU Tech.
- [ ] Actively host students in applied learning activities such as apprenticeships, internships or independent study options for this program(s).

Reporting of Outcomes

Reports and evaluation of program effectiveness and adherence to the agreement will be ongoing and communicated to employer partners annually. Any student hired will require the following reporting: date of hire, hourly wage, status of employment 30, 60, 90 days after initial hire, and if no longer employed, the reason for separation.

Additional data may be requested to comply with associated grant requirements.

Funding

This MOU is not a commitment of funds; however, WSU Tech personnel are available to discuss scholarship opportunities to help business partners grow their own workforce as well as social media marketing and asset donations.

Duration

This MOU is at will and may be modified by mutual consent of authorized officials from WSU Tech and Ideatek . This MOU shall become effective upon signature by the authorized officials from WSU Tech and Ideatek and will remain in effect until modified or terminated by any one of the partners by mutual consent.

Your generosity and collaboration for the students of WSU Tech is greatly appreciated and we are honored to have you as a supporter and partner!

Notice of Nondiscrimination

The WSU TECH Board of Directors supports and complies with Title VI and Title VII of the Civil Rights Act of 1964 as amended, Section 504 of the Rehabilitation Act of 1973 and Amendments, The Americans with Disabilities Act, Title IX and all requirements imposed by or pursuant to the regulations of the Department of Health and Human Services and the Department of Education. It is the policy of the Board of Directors that no person in the United States (on the grounds of race, color, religion, sex, national origin, ancestry or disability) shall be excluded from participation in, denied the benefit of or otherwise subjected to discrimination under any program or activity of, or employment with WSU Tech. Persons with inquiries may contact the Human Resources Director at 4004 N. Webb Road Wichita, KS 67226 or by phone at 316.677-9500.

Legal Citation

Opportunities in Applied education and job placement at WSU TECH are available to all students regardless of race, color, national origin, sex or disability in compliance with Title VI:34 CFR 100.3(b) Guidelines VII-A, Title IX: 34 CFR 106.31(d), Section 504: CFR 104.4(b)

This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Ideatek to provide the above checked services for the Electrical Technology programs to publicly support WSU Tech students.

Contact Information and Signatures

Company Name:
Partner Representative Name:
Position Title: Talent Manager
Address: 111 Old Mill Ln. Buhler, KS 67522
Telephone: 620-543-5049
E-mail: mbrees@ideatek.com
Signature: Morgan Brees
Date: 2/12/2024

WSU Tech
WSU Tech Representative Name: Jessi Lane
Position: Dean of Applied Technologies
Address: 4004 N. Webb Rd., Wichita, KS 67226
Telephone: 316-677-9916
E-mail: jlane11@wsutech.edu
Signature: _____
Date: 2/12/2024

ELE Electrical Technology

Program Course List

Number	Title	Credits	Relationship	Description	Pre/Corequisites
ELE 110	**Print Reading**	2	Required AAS CERT B	Students learn to read specification manuals and prints as applied to residential, commercial, and industrial buildings.	
ELE 120	**AC/DC Circuits**	4	Required AAS CERT B	AC/DC circuits address the basics of direct and alternating current circuits.	SAF 135 Safety/OSHA 30
ELE 130	**Commercial Wiring I**	4	Required AAS CERT B	An introductory course on commercial wiring methods that includes practical applications and hands-on experience in implementing code requirements.	ELE 132 Commercial Wiring Lab ELE 120 AC/DC Circuits

ELE 132	**Commercial Wiring Lab**	4	Required AAS CERT B	This course focuses on electrical installation techniques, safety procedures, and compliance with the National Electrical Code (NEC) and NFPA 70E requirements. Students will gain hands-on experience in performing conduit bending, conductor installation, and applying NFPA 70E guidelines. This course serves as the lab component for ELE 130 that covers feeder/branch circuit wiring methods, raceway and box fill calculations, distribution equipment components, grounding and bonding requirements, and service calculations per NEC.	ELE 130 Commercial Wiring I ELE 120 AC/DC Circuits
ELE 135	**Low Voltage Wiring**	2	Required AAS CERT B	This course provides comprehensive training in low voltage wiring, focusing on the installation and maintenance of various subsystems and equipment commonly found in commercial and residential	ELE 120 AC/DC Circuits

				settings. Participants will gain a solid understanding of the key components and techniques involved in low voltage wiring, including identification, termination, installation, grounding, and testing.	
ELE 140	**Motor Controls**	2	Required AAS CERT B	This course provides instruction in two-wire motor control circuits using relays, contractors, and motor starts with application sending devices. Topics include: wiring limit switches, wiring pressure switches, wiring float switches, wiring temperature switches, wiring proximity switches, wiring photo switches, sequencing circuits, reduced voltage starting, motor control centers, and troubleshooting.	
ELE 150	**National Electrical Code I**	4	Required AAS CERT B	An introductory course on the use of and interpretation of the current national electric code.	
ELE 160	**National Electrical Code II**	4	Required AAS CERT B	A continuation of the National Electrical Code I course on the use	ELE 150 National Code I

				and interpretation of the current national electric code .	
ELE 170	**Programmable Logic Controllers**	2	Required AAS CERT B	This course on Programmable Logic Controllers (PLCs), focuses on the installation, setup, programming, and operation of PLC hardware and software. Participants will gain a solid understanding of PLC functions, terminology, safety procedures, and practical skills required to perform basic programming and connect field devices.	
ELE 180	**Residential Wiring I**	4	Required AAS CERT B	An introductory course on residential wiring methods that includes practical applications and hands-on experience in implementing code requirements.	ELE 182Residential Wiring Lab ELE 120 AC/DC Circuits
ELE 182	**Residential Wiring Lab**	4	Required AAS CERT B	This course provides foundational knowledge and practical skills in electrical installation techniques for residential settings. Students will learn to install branch circuits, residential services, luminaires, switches,	ELE 180 Residential Wiring I ELE 120 AC/DC Circuits

				receptacles, and various protective devices in accordance with the National Electrical Code (NEC) requirements. This course serves as the lab component for ELE 180 that covers the identification and calculation of branch circuits and residential services, branch circuit requirements for appliances, grounding and bonding requirements, and the installation of overcurrent, short circuit, and ground fault protection devices.	
ELE 185	**Solar and Wind Power Generation**	3	Required AAS	This course provides a comprehensive overview of solar and wind energy, including their definitions, harnessing methods, energy generation processes, advantages and disadvantages, historical context, current status, and future prospects. Students will also explore various applications of solar and wind energy in different industries and sectors.	

ELE 190	**Fire Alarm, Emergency, and Health Care Systems**	3	Required AAS	This comprehensive course provides in-depth knowledge of electrical systems in health care facilities, focusing on the power requirements, distribution circuits, emergency and standby systems, battery and UPS systems. Additionally, the course provides students with in - depth know of fire alarm systems. Participants will gain a thorough understanding of the different types of health care facilities, wiring methods, maintenance requirements, relevant codes and standards, and installation guidelines for fire alarm systems.	ELE 135 Low Voltage Wiring
	Communication Elective	3	Required AAS	This course is the placeholder for the communication elective. Students may enroll in the following courses to fulfill the communication elective: SPH101 Public Speaking or SPH 111 Interpersonal Communication.	
ENG 101	**Composition I**	3	Required AAS	This course is designed to improve the reading and	ENG 030 English

				writing skills of students. The emphasis is on fundamental principles of written English in structurally correct sentences, paragraphs and expository themes. Critical analysis of essays will be used to aid in developing the student's thinking, support of thesis and style. Students are introduced to the basic components of research by writing a documented essay in Modern Language Association (MLA) style.	
	Humanities Elective	3	Required AAS	This course is the placeholder for the Humanities elective. Students may enroll in the following courses to fulfill the Humanities elective: ART 100 Art Appreciation, ENG 110 Introduction to Literature, ENG 205 Introduction to Creative Writing , HIS 110 United States History to 1877, HIS 120 United States History since 1865, HIS 130 World History I, MGT 111 Business Ethics, PHL 110 Ethics, PHL 115 Logic, REL 101 New	

				Testament, THR 100 Theater Appreciation	
MTH	**Math Elective**	3	Required AAS	This is a place holder course for the math electives. To fulfill this elective students may choose between MTH 101, MTH 108 or MTH 112.	
SAF 135	**Safety/OSHA 30**	3	Required AAS CERT C	This course equips students with essential knowledge and skills to enhance job-site safety. Students will explore the role of OSHA in promoting workplace safety, including a thorough understanding of the General Duty Clause and 1926 CFR Subpart C. The course covers hazard recognition and risk assessment techniques while identifying critical high-hazard areas, such as falls, electrical hazards, and heavy equipment safety. Participants will gain hands-on experience using personal protective equipment, following proper safety procedures, and implementing effective emergency	

				protocols. Upon completing the course, students will receive their OSHA 30 card.	
	Social Science Elective	3	Required AAS	This course is the placeholder for the Social Science elective. Students may enroll in the following courses to fulfill the social Science elective: CRJ 101 Introduction to Criminal Justice, CRJ 155 Policing Diverse Cultures, ECO 105 Principles of Macroeconomics, ECO 110 Principles of Microeconomics, POL 101 American Government, PSY 101 General Psychology, PSY110 Child Psychology, PSY 120 Developmental Psychology, SOC 101 Principles of Sociology, GEO 101 Principles of Geography, SOC 115 Social Problems	

Collaboration Agreement between
Wichita State University Campus of Applied Sciences and Technology (WSU Tech)
and Renwick USD 267

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Renwick USD 267 to provide support and opportunities for the programs outlined in this document to publicly support WSU Tech students.

Background
This MOU serves as notification that Renwick USD 267 recognizes a need to develop a talent pool in this industry for specific program(s). This partnership outlines opportunities for the organization to support WSU Tech. The opportunities are listed below in their entirety and include membership on the Industry Advocate Team, hosting Applied Learning Opportunities, and providing Guaranteed Interviews and/or other aspects of support designed to increase the workforce by removing barriers for individuals being trained to enter the pipeline.

Purpose
This MOU will establish the role of and scope of agreed involvement for Renwick USD 267 in regard to aforementioned programs. Involvement and participation is defined by supporting the goals set out below for outreach, coordination, and retention campaigns/ events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Renwick USD 267 undertaking the following activities in these critical areas. The programs involved include:(Please check which areas you wish to participate in.)

Electrician Technology
Quality Assurance Inspection

School Partners will:

- ☑ Engage in Industry Advocate Team meetings twice a year to provide input in curriculum guidance, focus groups on retention and recruitment for students.
- ☑ Provide opportunities for students to engage with WSU Tech in-person or virtually through career awareness activities in regards to the aforementioned programs.
- ☑ Provide constructive feedback as appropriate.
- ☑ Refer interested high school students to WSU Tech for enrollment opportunities in programs above.

Reporting of Outcomes
Reports and evaluation of program effectiveness and adherence to the agreement will be ongoing and communicated to employer partners annually.

Funding
This MOU is not a commitment of funds; however, WSU Tech personnel are available to discuss scholarship opportunities to help partners grow their own educational opportunities and offerings as well as social media marketing and asset donations.

Duration
This MOU is at will and may be modified by mutual consent of authorized officials from WSU Tech and Renwick USD 267 .This MOU shall become effective upon signature by the authorized officials from WSU Tech and Renwick USD 267 and will remain in effect until modified or terminated by any one of the partners by mutual consent.

Your generosity and collaboration for the students of WSU Tech is greatly appreciated and we are honored to have you as a supporter and partner!

Notice of Nondiscrimination
The WSU TECH Board of Directors supports and complies with Title VI and Title VII of the Civil Rights Act of 1964 as amended, Section 504 of the Rehabilitation Act of 1973 and Amendments, The Americans with Disabilities Act, Title IX and all requirements imposed by or pursuant to the regulations of the Department of Health and Human Services and the Department of Education. It is the policy of the Board of Directors that no person in the.United States (on the grounds of race, color, religion, sex, national origin, ancestry or disability) shall be excluded from participation in, denied the benefit of or otherwise subjected to discrimination under any program or activity of, or employment with WSU Tech. Persons with inquiries may contact the Human Resources Director at 4004 N. Webb Road Wichita, KS 67226 or by phone at 316.677-9500.

Legal Citation
Opportunities in Applied education and job placement at WSU TECH are available to all students regardless of race, color, national origin, sex or disability in compliance with Title VI:34 CFR 100.3(b) Guidelines VII-A, Title IX: 34 CFR 106.31(d), Section 504: CFR 104.4(b)

This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Renwick USD 267 to provide the above checked services for the above listed programs to publicly support WSU Tech students.

Contact Information and Signatures

District Name: Renwick USD 267
Partner Representative Name: Kati Thul
Position Title: Asst. Superintendent
Address: 600 W. Rush Ave, Andale, KS 6
Telephone: 316-444-2165
E-mail: kati.thul@usd267.com
Signature: Kati Thul Digitally signed by Kati Thul Date: 2024.09.19 07:14:36 -05'00'
Date: 9/19/24

WSUTech
WSU Tech Representative Name: Jena Roth
Position: Dean, High School Partnerships & Community Outre
Address: 4004 N. Webb Rd., Wichita, KS 67226
Telephone: 316.677.1069
E-mail: jroth2@wsutech.edu
Signature:
Date: 9/19/24

WSU Tech - Electirician Program Equipment List

Goal - Stand up Electrician Program to support long term career opportunities					$154,397.17
Materials / Equipment	Quantity	Price	Reference	Alternate Pricing	Total
Breaker - 20 Amp	50	$6.88			$344.00
Breaker - 30 AM 2 Pole	30	$16.78			$503.40
Breaker - Breaker Panel	10	$177.00			$1,770.00
Drill Bits - 54" Drill Bit 1/4"	2	$65.98			$131.96
Drill Bits - 54" Drill Bit 3/8"	2	$69.98			$139.96
Drill Bits - Recessed Lighting Hole Saw	2	$54.98			$109.96
Drill Bits - Woodboaring Auger Drill Bit 1"	1	$34.98			$34.98
Drill Bits - Woodboaring Auger Drill Bit 3/4"	1	$29.98			$29.98
Drill Bits - Woodboaring Auger Drill Bit 7/8"	1	$30.98			$30.98
Organization - Storage Bins	20	$11.98			$239.60
Organization - Storage Bins	20	$9.98			$199.60
Organization - Storage Shelves	4	$309.00			$1,236.00
Tool Kit - 24 Volt Cordless Brushless Drill & Impact	10	$299.00			$2,990.00
Tool Kit - 7.5" Cross-cutting Keyhole Saw	10	$8.98			$89.80
Tool Kit - Clamp Meter	10	$149.00			$1,490.00
Tool Kit - Electrician Tool Pouch	10	$44.98			$449.80
Tool Kit - Hammer & Prybar Set	10	$14.98			$149.80
Tool Kit - Multimeter Kit	10	$267.21			$2,672.10
Tool Kit - Nut Driver Set	10	$32.98			$329.80
Tool Kit - Plier Set - Shock Resistant	10	$226.86			$2,268.60
Tool Kit - Tape Measure	10	$24.98			$249.80
Tool Kit - Torpedo Level	10	$10.98			$109.80
Tool Kit - Utility Knife	10	$6.98			$69.80
Tool Kit - Voltage Detector Kit	10	$22.98			$229.80
Tool Kit - Wire Strippers	10	$59.98			$599.80
Tools - Hand - Groove Joint Plier Set	3	$19.98			$59.94
Tools - Hand - Hex Key Set	2	$39.98			$79.96

Tools - Power - Reciprocating Saw	5	$129.00			$645.00
Tools - Specialty - Basket Grip	1	$109.00			$109.00
Tools - Specialty - Earth Ground Tester CMGRT-100A	1	$2,569.28			$2,569.28
Tools - Specialty - Fish Tape 100' Fiberglass	2	$149.00			$298.00
Tools - Specialty - Megohmmeter 5882A	1	$1,052.45			$1,052.45
Tools - Specialty - Short Basket Grip	1	$90.48			$90.48
Channel - Channel Strut	30	$39.60			$1,188.00
Breaker - Safety Switch Disconnect	10	$124.00			$1,240.00
Breaker - Meter Socket	2	$76.92			$153.84
Breaker - Main Lab Breakers	2	$212.00			$424.00
Fixtures - Light Socket	20	$2.88			$57.60
Fixtures - Ceiling Fan	2	$99.98			$199.96
Fixtures - Recessed Light Housing	10	$10.97			$109.70
Fixtures - Recessed Lighting	3	$149.98			$449.94
Basic Bending - NC3 Certification Kit	1	$12,497.04	1.1 - Greenlee		$12,497.04
Advanced Bending - NC3 Certification Kit	1	$18,411.08	1.1 - Greenlee		$18,411.08
Wire Pathways - NC3 Certification Kit	1	$23,877.30	1.1 - Greenlee		$23,877.30
COE Lab - NC3 Certification Kit	1	$19,629.75	1.1 - Greenlee		$19,629.75
Wire Termination - NC3 Certification Kit	1	$17,462.14	1.1 - Greenlee		$17,462.14
3 Phase - NC3 Certification Kit	1	$7,790.76	1.1 - Greenlee		$7,790.76
Fishing Cable Pulling - NC3 Certification Kit	1	$12,393.74	1.1 - Greenlee		$12,393.74
Insulation Ground Rod Resistance - NC3 Certification	1	$10,452.26	1.1 - Greenlee		$10,452.26
GA-17 Tool Kit - NC3 Certification Kit	1	$6,686.63	1.1 - Greenlee		$6,686.63

KBOR Fiscal Summary for Proposed Academic Programs

CA-1a Form (July 2024)

Institution: Wichita State University Campus of Applied Sciences and Technology
Proposed Program: Electrical 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:		-10-	--	
Part II. Initial Budget		Implementation Year		
A. Faculty		Existing:	New	Funding Source:
Full-time	#1	$	$50,000	New Program Development funds
Part-time/Adjunct	#	$	$	
		Amount	Funding Source	
B. Equipment required for program		154,397.17	Grants or donation &new program development funds	
C. Tools and/or supplies required for the program		$		
D. Instructional Supplies and Materials		$1000.000	New Program Development	
E. Facility requirements, including facility modifications and/or classroom renovations		$0.0		
F. Technology and/or Software		$0.0		
G. Other *(Please identify; add lines as required)*		0.0		
Total for Implementation Year		205,397.17	Grants or donation &new program development funds	

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:		40	--	
Part II. Ongoing Program Costs		First Two Years		
A. Faculty		Existing:	New:	Funding Source:
Full-time	#1	$100,000	$	Program Budget
Part-time	#	$	$	
		Amount	Funding Source	
B. Equipment required for program		$0.0		
C. Tools and/or supplies required for the program		$		
D. Instructional Supplies and Materials		$2000.00	Program Budget	
E. Facility requirements, including facility modifications and/or classroom renovations		$0.0		
F. Technology and/or Software		$0.0		
G. Other *(Please identify; add lines as required)*		0.0		
Total for Program Sustainability		102,000	Program Budget	

KBOR Fiscal Summary for Proposed Academic Programs

CA-1a Form (July 2024)

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

The college has proactively sought external funding to support the startup of the new Electrician Technology program. Specifically, the college has submitted applications for both the Lowe's Grant and the Patterson Family Grant, requesting a combined total of over $200,000.

While the college did not receive the Lowes Grant, the Lowes Foundation made a donation in the amount of $25,000 to be used for any skilled trades program. We are still awaiting a decision on the Patterson Family Grant, expected by November 2024. If the Patterson Family Grant is awarded, it will cover all the necessary equipment for the program's startup. In that case, the college plans to reallocate the Lowe's funds.

Should the Patterson Family Grant not be received, the college will rely on the $25,000 from the Lowe's Foundation and utilize additional internal funding from the WSU Tech Program Development fund to cover the equipment purchases for the Electrician Technology program. This flexible funding strategy ensures that the program will be equipped and ready to launch regardless of the outcome of the Patterson Family Grant application.

Submit the completed CA-1a application and supporting documents as a PDF included in the CA1 completed application packet.

Funding Request to the Patterson Family Foundation via the Technical College Capacity Grant From the WSU Tech Foundation
"Addressing the Digital Equity Gap in Rural Kansas"

WSU Tech proposes to launch a comprehensive fiber optic training program to address the urgent workforce shortage in the fiber optic industry, particularly in rural Kansas. This project aligns with WSU Tech's vision of providing innovative, high-quality technical education that improves lives and enhances workforce readiness. The program seeks to provide both short-term training in fiber optic installation and long-term career pathways for students through technical certifications such as electrician, construction, and equipment operation training.

As rural communities in Kansas face significant digital inequities, with only 39.8% of rural school districts having high levels of broadband connectivity (Regional Educational Library Central, 2020), this program will help build the necessary infrastructure to help close the digital divide. The shortage of skilled workers in fiber optic installation threatens to delay the rollout of broadband in rural areas, limiting access to essential services such as telehealth, education, and economic development. Providing these resources to rural communities can improve overall development and well-being for individuals living in rural Kansas.

WSU Tech will train students in rural Kansas in fiber optic installation. Additionally, these students will be transitioned into long-term technical certification programs, including Electrician certification, to ensure continued career growth. The program will utilize a mobile learning lab to bring training directly to rural communities, partnering with industry leaders like Ideatek, Kansas Fiber Network, and Evergy to align the curriculum with workforce needs.

This project will have a lasting impact by not only addressing the immediate need for fiber optic infrastructure but also by creating long-term, sustainable career pathways and digital equity for rural residents. WSU Tech seeks $770,000 in funding to support the purchase of equipment, development of the mobile learning lab, and program delivery, ensuring that rural Kansas has the workforce it needs to thrive in a digitally connected future.

Introduction of the Applicant Organization

Mission and Vision:
The Mission of WSU Tech is to provide quality higher education and leadership in workforce training that supports economic development for a global economy. The WSU Tech Foundation works to cultivate partnerships to support the college's mission, removing financial barriers and empowering students to advance their lives and our region.

History:
WSU Tech has been delivering excellence in education since 1965 with the original campus at 301 South Grove. WSU Tech continues to build on this tradition with quality instructors, talented students and state-of-the-art technical equipment. Together, these elements help create a hands-on learning environment that promotes participation and prepares students for further education and/or career experiences. WSU Tech is the largest technical college in Kansas and acts as managing partner for the National Center for Aviation Training.

WSU Tech boasts many successes in the community and the region. Numerous highlights include:

- Annual headcount of 7,998
- 36% equity impact zip code enrollment
- 100+ degree and certificate programs
- 85% overall placement rate for all programs
- 62% first generation students
- 41% full-time, first-time freshmen awarded Pell grants
- Average age of adult students is 26 years old
- $2 million in Wichita Promise Scholarships to 1,1015 students

Beneficiaries:
Students come to us from all walks of life, many from vulnerable populations, such as racial or ethnic minorities and those who are socioeconomically disadvantaged. No matter their circumstances or background, we help improve their lives by building skills required for high-wage, high-demand jobs. All find what they need to elevate themselves and their careers.

WSU Tech's students are a reflect of the community with 49% reporting female, 50% reporting male and 1% not reporting. The ethnicity breakdown for the entire college is as follows:

- 1% American Indian or Alaska Native
- 4% Asian
- 11% Black or African American
- 25% Hispanic/Latino
- 51% Caucasian
- 8% Other

Service Area:
WSU Tech's primary service area is Sedgwick County. However, the institution provides education and training resources across the state through various outreach programs.

Our latest economic impact study revealed that WSU Tech has a $280 million annual impact on the local economy due to operational, student and alumni impact. Additionally, for every $1 our students invest in their education, they make $5.80 in increased earnings over their lives (a 19.5% return on investment). For every $1 taxpayers invest, it equals $11.60 in added taxes or public sector savings (a 25.3% return on investment). There are 280 million reasons why investing in WSU Tech creates a better economy, better work and a better future.

Programs and services:
WSU Tech delivers a high-tech, high-wage, high-demand career pipeline for students in relevant careers by offering more than 100 degree and certificate options. WSU Tech partners with employers to equip people with the necessary skills for jobs of today and tomorrow. We measure success not by the number of students who come to us, but by those who leave equipped to land a career, and our 85% placement rate for graduates confirms our success.

Courses at WSU Tech go beyond the traditional classroom and lab experience. Faculty and staff assist students with life skills, such as financial planning, problem solving, public speaking, ethics and much more. We understand that "soft skills" are vital in not only finding a good job, but in retaining a job and achieving career advancement. Many students who come through our doors have not had the traditional mentoring and guidance that help to ensure career success, and WSU Tech ensures that our students are not only able to meet their job requirements, but also be well-rounded and productive employees.

Accomplishments and Impact:
Culinary Arts
The WSU Tech strives to develop creative partnerships that are mutually beneficial and sustainable. The Foundation has partnered with Envision, a nonprofit that improves the quality of life and provides inspiration and opportunity for people who are blind and visually impaired, to develop a program within WSU Tech's National Institute for Culinary & Hospitality Education (NICHE) to meet the specific needs of their clientele. The program prepares individuals with little or no industry experience for entry-level and secondary food service positions with the potential for expedited promotion. The 28-hour credit program is the first professional skills training program for the blind and visually impaired in the world and offers a Technical Certificate credentials in culinary arts and hospitality management. Envision's commitment of $250,000 will be instrumental in ensuring the sustainability and success of this creative venture.

Cargill's North America protein business has partnered with the WSU Tech Foundation to inspire the next generation of culinary arts professionals with a $400,000 gift to support NICHE. Cargill's donation to the WSU Tech Foundation has outfitted the demonstration kitchen with professional cookware and equipment and provides scholarship support to students from under-represented community who are looking to pursue and education in culinary arts and hospitality.

Manufacturing
The WSU Tech Foundation recently received $1 million in funding from the Gene Haas Foundation that will be used to initiate and expand efforts to reach underrepresented and K-12 populations to raise awareness of career options in machining and manufacturing. WSU Tech and the WSU Tech Foundation proposed focusing on these two areas to cultivate the knowledge of CNC Machining, the vital importance to expand our local workforce, and options for obtaining the educational credentials to enter the field.

Growth and focus on underrepresented populations are not new concepts in support of the Machining program at WSU Tech. Through initiatives like the AACC-Metallica's Scholars-Women in Manufacturing, Urban Institute's CTE Colab, and the Unlocked partnership with Nexstep and Goodwill Industries, WSU Tech has dedicated efforts to reach and support women, students of color, and workforce re-entry. The driving purpose is to continue to provide entry-level machinists and CNC operators from populations that have not traditionally been in the workforce. The college and the Foundation want to continue this effort to provide opportunities in our community, while continuing to meet the workforce's needs. Another area of focus is to grow and provide options for K-12 school districts to begin or expand machining and manufacturing pathways. WSU Tech has partnerships with over forty local high schools and has assisted with integrating Introduction to Manufacturing in eleven Kansas middle schools. The funding from this gift will be utilized to specifically highlight machining and career pathways and grow the pipeline into manufacturing programs via outreach. The interest of youth in pursuing careers in manufacturing is paramount for the success of our local aerospace industry. The WSU Tech Machining Technology program will continue to grow and produce high quality technicians for our local workforce. With the additions of our ten Haas 5-axis capable machines, a fully redesigned curriculum, more options for applied learning, support from employers, our own investment in equipment and professional development, additional grant opportunities, and support from philanthropic organizations like the Gene Haas Foundation, we see the long-term viability and growth in the pipeline and programs.

Healthcare
Finally, a robust partnership with Blue Cross Blue Shield of Kansas has shown a significant display of dedication to the future of healthcare education with a generous donation of $600,000 to the WSU Tech Foundation. The funding will be used to enhance programming at the WSU Tech FutureReady Healthcare Center. The FutureReady Healthcare Center encompasses 16,000 square feet of space and features 8 classrooms and 4 cutting-edge labs (including the CNA Skills Lab, EMT Lab, Phlebotomy Lab, and EKG Lab/Classroom). The innovative education space offers high school students from Wichita Public Schools the opportunity to take healthcare courses, equipping them with the necessary skills and knowledge to enter the workforce or pursue higher education in the healthcare field. By engaging 300+ students in EMT, Patient Care, and Pre-Nursing courses annually, the program sets them on a clear pathway toward a rewarding and impactful healthcare career. This gift from Blue Cross and Blue Shield of Kansas underscores the organization's commitment to fostering the next generation of healthcare professionals and providing solutions for the growing healthcare needs of the state.

Qualifications:
WSU Tech has a well-established reputation for delivering high-quality, innovative technical education that directly responds to industry needs. The institution's track record in successfully launching programs that address urgent workforce shortages, such as its advanced manufacturing and aviation programs, positions WSU Tech as a capable leader in developing a fiber optic training program. With a

focus on hands-on, practical skills development, WSU Tech has demonstrated its ability to prepare students for immediate employment in high-demand fields, equipping them with the technical skills and certifications required by industry standards.

The proposed fiber optic training program builds on WSU Tech's expertise in delivering short-term, workforce-aligned training programs. By leveraging existing resources, faculty expertise, and curriculum development capabilities, WSU Tech can effectively address the need for skilled workers in the fiber optic industry. Additionally, WSU Tech has successfully managed large-scale projects that require coordination between multiple stakeholders, ensuring program sustainability and alignment with workforce demands.

WSU Tech will leverage its experience with the success of the "FutureMaker Mobile Learning Lab" to assist in delivering this training to rural Kansas. The FutureMaker Mobile Learning Lab is a similar truck and trailer developed by WSU Tech to deliver hands on experiences to K-8 students throughout Kansas. This Mobile Learning Lab allows students to explore multiple career options in technical trades. The lab travels throughout Kansas to any elementary or middle schools interested in providing the experience to their students.

Networks, collaborations, partners and stakeholders:
WSU Tech has formed strong partnerships with industry leaders, such as Ideatek, Kansas Fiber Network, and Evergy, which will play critical roles in the fiber optic training program. Ideatek, a key player in the fiber optic industry, is directly involved in installing fiber optic infrastructure in rural Kansas, particularly through the Freestate Middle Mile Network. Their industry expertise will help ensure that the curriculum is aligned with real-world workforce needs, preparing students for the specific demands of the job. Evergy, a prominent utility company, will also collaborate with WSU Tech, contributing insights into the technical skills needed to support both fiber optic and broader electrical infrastructure projects. Additionally, WSU Tech participates in meetings of the Kansas Fiber Network, which is comprised of 32 regional fiber optic providers/installers, with a goal of supporting industry workforce needs.

WSU Tech will utilize a mobile learning lab to deliver training directly to rural communities, addressing the geographic challenges faced by rural Kansans. This approach reflects WSU Tech's commitment to making education accessible, particularly for underserved populations. Collaboration with local community organizations and rural school districts will further enhance the program's reach and impact. By working with these networks, WSU Tech will provide a comprehensive training solution that not only meets the immediate needs for fiber optic installation but also creates sustainable, long-term career pathways for rural Kansans.

The Problem

Kansas is experiencing a significant shortage of skilled workers in the fiber optic industry, which is essential for building the state's fiber optic infrastructure. This infrastructure is critical for improving

digital equity across the state, especially in rural and underserved areas. Research has found that only 39.8% of the 196 rural school districts in Kansas have high levels of broadband internet connectivity (Regional Educational Library Central, 2020). This digital divide limits rural Kansans' access to essential services, such as government services, telework, education, economic development, and healthcare.

A lack of high-speed internet access particularly affects healthcare through telehealth services. Telehealth has the potential to reduce hospital visits by 25% and decrease the length of hospital stays by 59% (Schadelbauer, 2017). This is crucial for rural communities where hospitals are increasingly closing. For example, Mercy Hospital in Independence, Kansas, closed in 2015, one of 136 rural hospitals to close from 2010 to 2021 (American Hospital Association, 2022). Without sufficient broadband access, residents of rural Kansas are left without critical telehealth services that could help offset these losses.

As fiber optic infrastructure is rolled out, there is an urgent need for a skilled workforce capable of installing and maintaining this technology. Industry members like Ideatek are installing fiber optic cables as part of the Freestate Middle Mile Network, which provides the backbone for high-speed internet in rural areas. However, the industry is facing a workforce shortage, particularly for fiber optic cable installation and splicing. This shortage threatens to delay the deployment of broadband infrastructure in rural Kansas, exacerbating the digital divide and limiting access to essential services.

WSU Tech aims to address this problem by providing short-term training to individuals in rural communities, focusing on fiber optic installation and splicing. Additionally, the program will encourage enrolled students to pursue long-term technical certifications, such as Electrician training, to help meet the broader workforce needs of the region. Kansas is anticipating 642 annual openings for electricians through 2032 with an annual median wage of $59,880 (Kansas Department of Labor, 2024).

Outcomes

The proposed program aims to significantly reduce the workforce shortage for fiber optic installation in Kansas by training individuals from rural and underserved communities. The project's outcomes are designed to not only meet the immediate needs for fiber optic infrastructure but also to provide long-term career pathways for participants through technical certifications.

Key Program Outcomes:

1. **Short-term training**: Train at least 80 students in fiber optic installation by 2027. These students will gain the skills necessary to work in fiber optic cable installation, including splicing and troubleshooting. They will receive non-credit certification from WSU Tech, recognized by industry partners.

2. **Prior learning credit**: At least 50% of the students trained in fiber optic installation will be provided prior learning credit to encourage enrollment in long-term career paths such as WSU Tech's Electrician Technical Certification program or similar programs at other institutions. This approach ensures that students not only find immediate employment but also have the

opportunity for career growth and higher earning potential.

3. **Industry partnerships**: WSU Tech will establish and strengthen relationships with key industry players like Ideatek and Evergy. These partnerships will provide opportunities for student internships, job placement, and ongoing collaboration on curriculum design, ensuring that training aligns with industry needs. Successful partnership with industry members will be measured by 3 or more industry members participating in BILT model referenced in Phase 1 of Methods and those industry members provide earn-and-learn opportunities for the target training audience of at least 80 students.

4. **Mobile learning lab**: A key component of this program is the deployment of mobile learning lab, which will bring fiber optic training directly to rural areas. This truck and trailer combination will be equipped with the tools and equipment necessary to deliver hands-on training specific to fiber optic installation, splicing, repair, and equipment operation, eliminating barriers related to travel or relocation for rural students. The trailer will contain two equipment simulators, fiber optic tools and workstations, and traditional classroom resources such as a white board. This trailer will be configured to offer training within it or be able to easily unload equipment and supplies to partnering locations. WSU Tech would provide opportunities to deliver this training at area high schools or any Community or Technical colleges interested in partnering. WSU Tech would work with industry partners to locate the truck and trailer in and around rural communities where active fiber optic installation is taking place. Students will be identified in partnership with employers to provide applied learning opportunities on job sites so students can take the training and immediately apply what they learned. The lab will be wrapped and marketed to promote the project and increase awareness.

5. **Digital equity**: The program will directly contribute to improving digital equity in Kansas by providing a workforce capable of deploying high-speed internet in rural areas. By expanding broadband access, the program will also indirectly support better access to healthcare, education, and economic development opportunities for underserved communities. WSU Tech will engage industry members to acquire data to better measure results and impact of the program. Measurable data points requested will include the number of households, businesses, and educational institutions that receive access to high-speed internet.

Methods

The methods section outlines the step-by-step approach WSU Tech will take to achieve the proposed outcomes. The plan includes structured training, strong partnerships, and a scalable delivery model to ensure the program meets its goals.

1. **Project Phases**:
    - **Phase 1: Industry outreach and gap analysis (Q1 2025)**: Initial engagement with industry partners, including Ideatek, Evergy, and the Kansas Fiber Network, will be

conducted to assess the specific skill gaps in the fiber optic workforce. This analysis will guide curriculum development and ensure that the program addresses current and future industry needs. WSU Tech utilizes the BILT (Business Industry Leadership Team) method adopted from Pathways for Innovation, a project of the Center for Occupational Research and Development supported by the National Science Foundation. This method receives input from industry members through a KSA (Knowledge, Skills, and Abilities) Analysis to receive detailed input from Subject Matter Experts and utilized to guide conversations with industry groups on needs in the workforce. This includes both what is needed for students learning the skills needed to enter the workforce and upskilling needs of the existing workforce. The equipment listed in the attached budget is based on initial research into tools and equipment required to provide qualified training to individuals in alignment with The Fiber Optic Association Certifications. Performing the KSA analysis with industry partners will verify that equipment and tools are accurate to deliver a quality training program.

- **Phase 2: Equipment purchase and instructor recruitment (Q2 2025)**: WSU Tech will purchase the necessary tools and equipment to set up the mobile learning lab utilizing institutional procurement policies. The trailer procurement process is expected to have high lead time due to the customizable nature of trailers available. WSU Tech will prioritize trailer ordering process for Q1 should initial conversations with industry provide sufficient information to accurately order a trailer that meets the needs of the training space required. Procurement for supplemental resources to support the Electrician program will be ordered with an anticipated utilization of Fall 2025. Simultaneously, recruitment for a qualified instructor who can deliver fiber optic training in rural areas will begin. WSU Tech will leverage industry partners for qualified candidates. The risk identified in this phase is ability to attain a qualified and experienced instructor. One potential avenue would be to upskill an individual trained in adjacent skill sets through externships with industry partners. WSU Tech has utilized externships to create opportunities to upskill instructors who were lacking experience in key skill sets with successful results. This is one method to overcome this identified risk.

- **Phase 3: Curriculum development, instructor training, and marketing (Q2-Q3 2025)**: The fiber optic training program will be developed in partnership with industry experts. Instructors will undergo specialized training to ensure they are equipped to deliver high-quality, hands-on training. This includes opportunities for externships with industry partners to ensure instructors have the necessary skill sets to properly train the workforce. WSU Tech will also collaborate with Wichita State University to explore the creation of a fiber optic lab for advanced training. Wichita State University has identified this as a potential future opportunity and WSU Tech is in current conversations about utilization as a support for this project. WSU Tech will collaborate during phase 3 to align and share industry network, potential overlapping curriculum, and potential

overlapping resources available. Marketing efforts will be made to increase awareness of the program. WSU Tech's marketing team will develop a strategy specific to this program to best target students in identified rural markets.

- **Phase 4: Program implementation (Q3-Q4 2025)**: The first two cohorts of students will begin training in both fiber optic installation (non-credit program) and Electrician certification (credit-based program). A mobile learning lab will be deployed to rural communities, allowing students to receive on-site training at partner employers' locations.

- **Phase 5: Ongoing evaluation and cohort enrollment (2026-2027)**: WSU Tech will continue to enroll additional cohorts of students, with the goal of training 80 individuals in fiber optic installation by the end of 2027. Students will be encouraged to transition into credit-based programs, such as Electrician training, using prior learning credits.

2. **Mobile Learning Lab**: A central innovation in this program is the use of a mobile learning lab to deliver training in remote areas. The lab will include equipment for fiber optic splicing, installation, and equipment operation, allowing students to practice real-world tasks. This mobile approach removes barriers to access for rural students, who may not otherwise be able to attend training in Wichita. Multiple options were reviewed when identifying the preferred arrangement for the mobile learning lab. The options presented are good, better, and best based on the determination that a truck and trailer combination would be more cost effective than a purpose built "All-in-one" unit. It also offers more flexibility for the instructor traveling with the mobile learning lab. The options of trucks provided utilize appropriate Dual-Rear Wheel for safe transport of the trailer and contents and appropriate tow rating. The better option was chosen due to the pricing on the good option being used and the used truck market making new trucks a more viable option. With the trailer option, better was chosen to find an appropriate mid-range option that accommodates the ideal amount of space to offer training inside. These options are more reflective of associated price range for the trailer as much more research is needed to ensure that the trailer ordered meets the needs of the training. Of the options provided for equipment simulators, the quotes reflect equipment from the existing manufacturer that we operate at our City Center Campus to ensure consistency and ease of maintenance. The "good" option for simulators and fiber splicing is ideal for the learning lab due to the space requirements and is sufficient to provide the necessary training.

3. **Collaboration with Industry Partners**: Throughout the program, WSU Tech will work closely with partners such as Ideatek, Kansas Fiber Network, and Evergy to ensure that training meets their workforce needs. Industry feedback will be sought regularly to adjust the curriculum as required and to provide job placement opportunities for students. The Business Industry Leadership Team (BILT) model will be utilized to ensure a quality training program with successful outcomes.

4. **Short-Term to Long-Term Career Pathways**: WSU Tech intends to scholarship these rural students with a $1,000 scholarship to cover all the costs associated with their non-credit training. These costs include any required textbooks, materials, and supplies. WSU Tech intends to remove barriers and provide this much needed training for free to rural students with the opportunity to immediately apply their learning through a paid opportunity at an industry partner. By offering prior learning credit upon the completion of non-credit training, WSU Tech ensures that students can continue their education and pursue long-term careers in technical fields like Electrical Work, Construction, or Equipment Operation. This pathway provides financial stability in the short term and career growth in the long term, addressing both immediate and future labor market demands. WSU Tech will utilize NCCER and NC3 certifications in the Electrician and Construction program to provide opportunities for students to upskill through non-credit training. Rural students will be able to take the non-credit certification training and apply it towards a technical certificate or associates degree, allowing for stackable credentials towards alternative career opportunities. WSU Tech offers on-line General Education courses that would allow rural students interested in continuing their education even further the opportunity to complete their associate degree from their rural location. By providing their rural community with access to high-speed internet, it will enable these students to have more equitable access to these online learning opportunities. The resources allocated in the budget towards the Electrician lab will have an immediate impact for a student cohort of Fall 2025 for an anticipated cohort of 24 students. We do not expect the first electrician students to be part of the pipeline of students participating in the fiber-optic training, but the resources allocated will be valuable to ensuring students have a transition path into that program. The overall anticipated impact of the electrician lab is 48 students per calendar year.

5. **Timeline**:

   Pre-Award Activities – Industry outreach and coordination. Additional activities to acquire industry feedback and input on required program outcomes for successful delivery of training. Gap analysis to be completed with industry partners to determine where training efforts need to focus. Anticipated Q1 of January 2025. Outcome timeline pending change based upon award timeline.

   Q1 – Jan-Mar 2025 – Initial purchase orders of equipment and recruitment for instructor

   Q2 – Apr-Jun 2025 – Instructor training, program development

   Q3 – Jul-Sep 2025 – Anticipated arrival of equipment (pending lead times) and set up. First cohort of electrician students with a goal of 24 students.

   Q4 – Oct-Dec 2025 – Enroll first cohort/s of non-credit training including at least 10 rural

   students. Attending ESSDACK Career Expo to recruit students from rural communities.

Q5 – Jan-Mar 2026 – Acquire industry feedback, enroll additional cohorts with a goal of 15 additional students trained in non-credit.

Q6 – Apr-Jun 2026 - Industry Advocate Team review of programs and evaluation of success. Determine any needed changes or improvements to either non-credit training or Electrician program. Recruit non-credit students to transition to credit-based programs with emphasis on leveraging this program for additional funding to reduce or remove financial cost for students who transition from non-credit.

Q7 – Jul-Sep 2026 - Enroll 15 additional rural students in non-credit training and 36 students in the Electrician program.

Q8 – Oct-Dec 2026 – Industry Advocate Team meeting. Attend ESSDACK Career Expo.

Q9 – Jan-Mar 2027 – Enroll 20 additional students in non-credit training

Q10 – Apr-Jun 2027 – Industry Advocate Team meeting

Q11 – Jul-Sep 2027 – Enroll 20 additional students in non-credit training and 36 students in the Electrician program.

Q12 – Oct-Dec 2027 – Perform summative evaluation of successes and weaknesses of delivered program. Evaluate continued demand for non-credit training in fiber optic training and make determinations on how to proceed with programs or transition opportunities and resources to other areas of focus for increasing rural student opportunities.

Evaluation Plan

A comprehensive evaluation plan will be in place to ensure that both process and outcomes are effectively monitored and measured. The evaluation will include qualitative and quantitative metrics to assess the program's impact and effectiveness. Utilization of WSU Tech's traditional methods of data collection and utilization will be applied to determine effectiveness.

Outcomes Evaluation:

- **Student Enrollment and Completion**: The number of students enrolled, trained, and successfully completing the fiber optic installation certification will be tracked each quarter. The program aims to enroll and train at least 80 students by 2027 in non-credit fiber optic training. This program also aims to impact 96 students through the electrician program by 2027. The majority of the 80 students receiving training in fiber optics likely won't be measured into the 96 electrician students, due to the timeframe of work being completed. There is an anticipated small group of students that will take immediate advantage of the upskilling opportunities, but the impact of their enrollment into programs like electrician, construction, and equipment operator will likely not be seen until after the scope of the grant. WSU Tech intends on continuing to utilize the data after the conclusion of the grant period to measure the success of the program and the

number of students that transition from fiber-optic non-credit training into a technical certificate or associate's degrees. Overall anticipated impact of 176 students during the grant period and 36 a year after the end of the grant period for the foreseeable future.

- **Job Placement and Career Transitions**: Success will be measured by the number of students who secure employment in fiber optic installation or related fields (e.g., Electricians, Lineworkers) within six months of completing the program. Tracking student transitions from short-term fiber optic training to long-term technical certification programs will also be a key outcome indicator.

- **Industry Satisfaction**: Regular feedback from industry partners will be collected through surveys and advisory board meetings. Industry satisfaction with student preparedness and performance will be used to adjust training methods as needed.

Process Evaluation:

- **Instructor Performance**: Instructor evaluations will be conducted to ensure the quality of teaching. This will include both peer reviews and student evaluations to monitor instructor preparedness and instructional effectiveness.

- **Program Resources and Timeliness**: Adherence to the project timeline, including the purchase and deployment of equipment and the recruitment of instructors, will be regularly reviewed to ensure that the program is on track to meet its goals.

Data Collection:

- **Surveys and Interviews**: Student surveys will be conducted at the end of each training cohort to gather feedback on program satisfaction, perceived quality of instruction, and barriers to success. Follow-up interviews with students will assess their career progress post-training.

- **Employment Tracking**: Employment outcomes will be tracked using a combination of student self-reporting and employer feedback. This data will be used to evaluate job placement rates and the effectiveness of the training in meeting industry needs.

- **Community Impact**: Industry partners will be asked to provide data to assess the impact of the program on the communities involved. This data will help determine the success of the program through the scope of communities served.

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From: Courtney Sendall CFRE
To: Trish Schmidt
Cc: Jessi Lane
Subject: FW: Lowe"s Foundation Next Steps
Date: Wednesday, October 9, 2024 11:50:25 AM
Attachments: image001.jpg
image.jfif

Hi Trish –

We were not awarded funding for the project that we submitted the application for. The $25,000 was for being a finalist, but not tied directly to project applied for. Do you still want a copy of the application?

Below is the email communication from the Lowe's Foundation and an image of the check is attached.

Thanks!
Courtney

From: Courtney Sendall <csendall@wsutech.edu>
Sent: Monday, June 17, 2024 8:51 AM
To: Norman, Lauren <lauren.norman@lowes.com>
Cc: Foundation <Foundation@lowes.com>
Subject: Re: [EXTERNAL] Lowe's Foundation Next Stepsblob:https://teams.microsoft.com/7c1a49ff-2123-4c0f-bffa-4a610ab52d69

Hi Lauren –

I hope you had a great weekend! I really can't thank you enough for taking time to meet with us last week to share the Board's decision. The feedback was very valuable and we welcome the opportunity to work with you to hone our application for next year.

Please see the attached invoice and W9 for the $25,000 contribution. We are incredibly grateful for the opportunity and investment. Please let me know if this will work.

Thank you again for your time and we look forward to working with you!

Courtney Sendall, CFRE | WSU Tech Foundation
Executive Director | csendall@wsutech.edu

National Center for Aviation Training
4004 N. Webb Road | Wichita, KS 67226
Tel 316.677.1034 | www.WSUTECH.edu
Facebook | Instagram | LinkedIn

From: Norman, Lauren <lauren.norman@lowes.com>
Date: Friday, June 14, 2024 at 9:14 AM
To: Courtney Sendall <csendall@wsutech.edu>
Cc: Foundation <Foundation@lowes.com>
Subject: [EXTERNAL] Lowe's Foundation Next Steps

Dear Courtney,

Thank you again for the time you and your team invested in our Lowe's Foundation Gable Grants application and evaluation process.

In follow up to our discussion yesterday, we are pleased to donate **$25,000** to support WSU Tech's skilled trades training programs. We ask that you provide an electronic invoice for the donation addressed to "Lowe's Foundation, 1000 Lowe's Blvd, Mooresville, NC 28117". Please note that your address must match the address on your W-9. Please email me your invoice by June 28 and we will expedite payment for mid-July.

We look forward to staying connected and revisiting your application for the 2025 grant cycle. Please feel free to reach out with any questions.

Kind regards,
Lauren

|| **Lauren V. Norman**
Manager, Lowe's Foundation
C 269.352.3063

Click here to learn about our five-year, $50 million commitment to train 50,000 job-ready skilled tradespeople

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confidential; To transmit only non-confidential information such as plans, pictures and drawings and to assume all risk and liability for and indemnify Lowe's from any claims, losses or damages that may arise from the transmittal of documents or including non-confidential information in the body of an email transmittal. Thank you.

Carl D. Perkins Funding
Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2022)

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

Program Eligibility

Any program receiving Perkins funds must be designated as a technical program by KBOR. Definition of a technical program may be found in state statute K.S.A. 72-1802.

Program Levels:

Educational Award Level	Credit Hours
SAPP	1-15
Certificate A	16-29
Certificate B	30-44
Certificate C	45-59
Associate of Applied Science	60-69

Stand-Alone Parent Program (SAPP) criteria:

1. Designated as "Technical Program" in KHEDS
2. Leads to an industry-recognized credential
3. Leads to a specific occupation
4. Addressed and evaluated in the Comprehensive Local Needs Assessment
5. Minimum 6 concentrators (average over the previous two academic years)
6. Instructor/Trainer/Teacher programs and Workforce AID programs are not eligible

Certificates and Associate of Applied Science (CERT and AAS) criteria:

1. Designated as "Technical Program" in KHEDS
2. Aligned at the state level (for select aligned programs). Visit the program alignment section of the KBOR website for the list of aligned programs at the state level.
3. Addressed and evaluated in the Comprehensive Local Needs Assessment
4. Minimum 6 concentrators (average over the previous two academic years)
5. Instructor/Trainer/Teacher programs and Workforce AID programs are not eligible

Carl D. Perkins Funding
Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2022)

Name of Institution	Wichita State University Campus of Applied Sciences and Technology
Name, title, phone, and email of person submitting the Perkins Eligibility application *(contact person for the approval process)*	Dr Jennifer Seymour Vice President of General Education and Applied Technologies 316.677.1695 Jseymour2
Name, title, phone, and email of the Perkins Coordinator	Tara Carlile Perkins Coordinator & Grants Specialist 316 677 9547 Tcarlile1@wsutech.edu
Program Name	Electrician Technology
Program CIP Code	46.0302
Educational award levels and credit hours for the proposed request(s)	Technical Certificate 37 Credits Associate of Applied Sciences 60 credits
Number of concentrators for the educational level	10 Spring 2025 to expand to two cohorts of 20
Does the program meet program alignment?	Yes
How does the needs assessment address the occupation and the program *(provide page number/section number from the CLNA and describe the need for the program)*	The most recent Perkins Comprehensive Local Needs Assessment (2/1/2024) highlights the necessity of the proposed program. The report's second section, which addresses pathways and programs that are currently not offered but are needed in the region based on occupational demands, shows that the 2020-2030 Occupational Projections indicate 172 annual openings for electricians in the Wichita area. Additionally, the report cites JobsEQ data, revealing 68 active job advertisements for electricians in Workforce Region IV over the past 12 months. Page 15
Justification for conditional approval: *(how will Perkins funds will be used to develop/improve the program)*	At WSU Tech Perkins funding for new programs is allocated for several uses designed to enhance the overall quality of the program. The plan includes professional development opportunities for faculty so they can enhance their skills in the programmatic areas and the art and

Carl D. Perkins Funding
Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2022)

	science of teaching, equipment, and curriculum development.
Pursuant to Americans with Disabilities Act, the proposed program will be offered in a location or format is fully accessible, according to applicable ADA laws? *(Contact Board staff for technical assistance if there are questions regarding accessibility)*	This program will be offered in hybrid modality. The online/hybrid courses meet accessibility standards. The face-to-face courses will take place on the City Center campus, which meets ADA accessibility requirements. This campus also includes a full accessible hybrid/hyflex classroom designed for the effective delivery of online content. Additionally, faculty members are provided online accessibility training and the City Center representative on the Accessibility Committee provides support and training as needed.

Signature of College Official  Date 10/09/2024

Signature of KBOR Official _____ Date_____

Kansas Promise
Eligibility Request Form

CA-1d Form (2024)

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.

Program Eligibility

Per statutory language (Section 28), a "promise eligible program" means any two-year associate degree program or career and technical education certificate or stand-alone program offered by an eligible postsecondary educational institution that is:

1) approved by the Board of Regents;
2) high wage, high demand or critical need; and
3) identified as a "promise eligible program" by the Board of Regents pursuant to K.S.A. 2021 Supp. 74-32,272:
    - Information Technology and Security
    - Mental and Physical Healthcare
    - Advanced Manufacturing and Building Trades
    - Early Childhood Education and Development

Section 29 (9d), states that the Board of Regents may designate an associate degree transfer program as an eligible program only if such program is included in:

1) An established 2+2 agreement with a Kansas four-year postsecondary education institution; or
2) An articulation agreement with a Kansas four-year postsecondary educational institution and is part of an established degree pathway that allows a student to transfer at least 60 credit hours from the eligible postsecondary educational institution to a four-year postsecondary education institution for the completion of an additional 60 credit hours toward a bachelor's degree.

Section 30 states an eligible postsecondary educational institution may designate an additional field of study to meet local employment needs if the promise eligible programs within this field are two-year associate degree programs or career and technical education certificate or stand-alone programs approved by the Board of Regents that correspond to jobs that are high wage, high demand, or critical need in the community from one of the following fields:

1) Agriculture;
2) Food and Natural Resources;
3) Education and Training;
4) Law, Public Safety, Corrections, and Security; or
5) Transportation, Distribution and Logistics

Name of Institution	Wichita State University Campus of Applied Sciences and Technology
Name, title, and email of person responsible for Academic program	Jennifer Seymour Vice President of General Education and Applied Technologies jseymour2@wsutech.edu 316.677.1695

Kansas Promise
Eligibility Request Form

CA-1d Form (2024)

Name, title, and email of Financial Aid contact	Lacy Ledwich Senior Director, Financial Aid 316.677.9421 lledwich@wsutech.edu

Information Technology and Security				
CIP Code	Program Name	High Wage, High Demand, or Critical Need	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date

Mental and Physical Healthcare				
CIP Code	Program Name	High Wage, High Demand, or Critical Need	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date

Advanced Manufacturing and Building Trades				
CIP Code	Program Name	High Wage, High Demand, or Critical Need	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date
46.0302	Electrical Technology	Promise Eligible	AAS -60 Technical Certificate – 37	1/2025

Early Childhood Education and Development				
CIP Code	Program Name	High Wage, High Demand, or Critical Need	Type of Award (AAS, AA, AS, AGS, Certificate)	Scholarship Effective Date

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

**If any programs are claiming “critical need” status, please provide supporting documentation:

Kansas Promise
Eligibility Request Form

CA-1d Form (2024)

Signature of College Official Date 10/09/2024
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

Last updated: 3/7/2024

Advisory Committee Meeting Minutes

WSU Tech
Electrical Technology
10/08/2024
Zoom

I. Members:

Stephen Reed	Elite Electric	Present	Jessi Lane	WSU Tech	Present
Aubrey Fugarino	The Lange Companies	Present	Orville Brown	WSU Tech	Present
Mike Garvey	Sandifer Controls	Present	Ildo Martins	WSU Tech	Present
Mitch Hewitt	Redguard	Present			
Megan Shearer	Ideatek	Absent			
Morgan Brees	Ideatek	Absent			

II. Review of Program Outline
   a. Provided a review of the program including course list and explanations of the courses
   b. Provided a review of the Program Outcomes
   c. Provided a review of certifications

III. Industry Comments, Concerns & Suggestions
   a. Certifications are likely valuable to identify students based on their learning, but not necessarily recognized
   b. Industry found value in OSHA 30 being provided
   c. Industry confirmed need for classes on code
   d. Industry advised that the expectations for students who are interested in their Journeyman license need to be clearly communicated throughout the program to prevent students from expecting to graduate and immediately get a Journeyman license.

IV. Call for approval
   a. Program – All in Favor (4), All opposed (0)

Meeting adjourned

Date: Wednesday, September 4th, 2024
Time: 3:30 PM
Location: Faculty Senate Teams Page

Faculty Senate

Faculty Senate Elected Positions:
President, Lauren Thornhill
Vice President, Chuck Kauffman
Secretary, Cassy Payne

Meeting Minutes

1. **Greetings**

2. **Attendees**: Lauren Thornhill, Chuck Kauffman, Cassy Payne, Chris Farber, Courtney Gulick, Jeremy King, Jules Turpin, Linda Sessions, Maisha Corner, Maria Perez, Mark Scott, Nicolas Stricker, Scott Simpson, Trish Schmidt, Victoria Philo, Cliff Nelson, James Hall, Jennifer Seymour, Jessi Lane, Lexi Michael

3. **Presentation of New Program and Program Revisions**: The program design documents for the four programs listed below were shared before the meeting. Representatives from each department attended the Faculty Senate Meeting to present their new programs/revisions and address any questions. After the programs were presented, Lauren motioned for each program to be approved and without any objections **all four programs were approved**.

a. **Electrical Technology** - This is a new aligned program from the Applied Technologies department, offering exit points at both the AAS and Certificate B levels.
b. **Quality Assurance Inspection** -This is a new program from the Manufacturing department, with exit points at the AAS and Certificate A levels.
c. **Aerospace Manufacturing** -This program revision introduces an exit point at the Certificate A level for students participating in the Build a Plane curriculum at the Aviation and Manufacturing Future Ready Center and Maize High School.
d. **Hospitality and Events Management** -This revision adds a Food Business Management track, offering exit points at the AAS and Certificate C levels.

Lauren asked about a non-credit option for the quality assurance inspection program. Right now, they do not have any plans for an OPEN program, it may be an option in the future. No other questions were asked.

4. **ESSDACK Event Announcement**

a) This is a wonderful way to highlight your programs and connect with prospective students. The event is **October 29th and 30th in Hutchinson at the Fair Grounds**. Attendees include middle school and high school student from across the state! They come to learn about all the opportunities they have after/during high school. Through

mini demonstrations or informational pamphlets students can learn about our programs! There is still space available at the WSU Tech booth!

b) **The Future Maker Mobile Learning Lab** will be at this event highlighting all of WSU Tech. Engaging students with their cutting edge, hands on experiences! Visit their website for more information on all of the exciting things that the Future Maker Lab does each and every day!

5. Diana Holladay is leading a new initiative at WSU Tech, **The Teaching & Learning Center (TLC)**. This will be a great resource for Faculty member, new and old! Visit their website for more information or email teachingandlearning@wsutech.edu

a) The TLC can help with the following:
- Course Design
- Curriculum Development
- Educational Technology Implementation
- Professional Development Workshops
- Teaching/Learning Strategies
- Supportive Learning Community
- And so much more!

6. **Attendance Photos**: Chuck asked if everyone could see their student's photos in Banner Attendance. There are still a few faculty members that are having problems seeing the pictures. Chuck will report back that it is not a college wide issue anymore, just seems to be a hand full of people.

7. **Faculty of the Year:** The Adjunct of the Year from FY24 will be award during their class at City Center on Monday, September 9th at 5:45 PM. Please come and join in celebrating our winner, RSVP to Lauren Thornhill!

8. **Ribbon Cutting Ceremony**: The newly remodeled Automotive area at City Center will be held **September 20th from 10:00-10:30 AM**. Everyone is invited to celebrate and tour this cutting-edge facility!

9. **Committee Reports**:

Program Review Committee, Representative is Lauren Thornhill: The Program Review Committee is a new committee that will replace the Assessment Committee. Assessment is a component of Program Review, so this new committee will be all encompassing. The committee attended the meeting with Gen Ed and Manufacturing at In-Service to learn more about the Program Review process. Lauren will update Faculty Senate after their first official meeting.

Accessibility, Representative is Cassy Payne: Be on the lookout for emails about accessibility for Canvas.

Innovate Tech: Representatives are Jeremy King and Linda Sessions: no updates yet for this year

New Student Orientation, Representative is Maisha Corner: The new process is going well and is very successful so far. They will be getting volunteers to help.

People First Committee, Representative is Lauren Thornhill: The first meeting of the year is September 20th updates to come at the next Faculty Senate Meeting.

Course Quality and Design Committee: a lot of talk about due dates currently, more updates to come

Mentorship for Faculty: Doug sent out an email about volunteering and Maisha signed up for it.

Canvas Can Do Committee, Representative is Jeremy King: No updates at this time.

10. **Other Business**: Lauren met with Sheree over the summer. They discussed the goals of Faculty Senate for this year. The both agreed that they would like to continue to improve participation. They are going to make a Faculty Senate FAQ Video to show at New Hire Orientation. As many new employees are not aware of our Faculty Senate and what we do. They also discussed working with Mandy Fouse in her new role to do a Monthly Spotlight of various programs and departments across the college. If you would like to help with any of this, please reach out to Lauren!

WSU Tech Board of Trustees
Board Minutes
August 15, 2024

	WSU Tech Board of Trustees met face-to-face at 3:04 PM., on June 20, 2024. The meeting was held at NCAT with a virtual option. **Present:** Maggie Topping, Bryan Frye, Andrew Nichols, Pete Meitzner Doug Stark, Nici Duncan, Derek Penn, Khalilah Iraheta, Lily Wu and Meredith Olson **Virtual:** Hans Kabat and Matt Hesse **Absent**: Greg Stroud and Alicia Thompson
Public Communications	All proper notifications have been sent out and we have no speakers signed up to speak under Public Communications
New Business	New Board Members Derek Penn, Bombardier Khalilah Iraheta, Spirit Aerosystems
Make A Difference Student Award – Justin Pfeifer	Eric Renteria, Shocker Pathway. He will be finishing up with WSU Tech this Fall and attending WSU in the Spring.
Consent agenda	a. **BOT Meeting Minutes** Recommendation action: Approval of the WSU Tech Meeting Minutes on June 20, 2024 were provided to the Board electronically. b. **Board review & ratification of employment offers -** **Stephanie Yon, Program Coordinator, Work Ethics** Education/Credentials: BBA, Economics / Management,Wichita State University **Orville Brown, Assistant Dean - Building Trades** Education/Credentials: MS, Educational Leadership, Pittsburg State University **Britt Shoffner, Faculty, Baking & Pastries 9mo** Education/Credentials: AOS, Baking and Pastries, Culinary Institute of America **Joe Erwin, Industrial Automation and Machine Maintenance Faculty** Education/Credentials: 40 years experience in Construction, HVAC, Plumbing Engineering & Equipment **Golden Cooper, Faculty, Nursing** Education/Credentials: AAS, Nursing, Pratt Community College **Caique Trivelato, IoT Technician** Education/Credentials: In Computer information systems program at Friends University **Bryan Elmore, Faculty, Accounting 9mo** Education/Credentials: MBA, Accounting, University of Pheonix **Adia Phommachanh, Digital Content Specialist** Education/Credentials: AAS, Interior Design, WSU Tech AAS, Digital Marketing, WSU Tech

	Shawn Money, Manager, Creative Services Education/Credentials: BFA, Art, Fort Hays State University **Michael Copple, Full-Time Security Officer** Education/Credentials: 40 years experience as a Law Enforcement Officer **Maria Perez, Faculty, Veterinary Nursing 12mo** Education/Credentials: AAS, Veterinary Technology, Independence Community College **Denette Lamb, Faculty, ADN 12mo** Education/Credentials: Family Nurse Practitioner, George Washington University **Susanann Bair, Faculty, AMT** Education/Credentials: BA, Sociology, Wichita State University AAS, Automotive Technology (Aviation), Cowley County Community College **Julie Turpin, Faculty, Phlebotomy/EKG 9mo** Education/Credentials: 4 years experience at a Patient Care Tech **Omar Bargoti, Faculty, Ground School Pilot** Education/Credentials: BS, Aviation Management, Central Washington University The consent agenda item(s) were considered and discussed and thereupon on the motion of Board member Pete Meitzner seconded by Doug Stark, the Consent agenda was approved. Motion carried: 12-0 with Greg Stroud and Alicia Thompson noted absent.
WSU update	**University update** – Dr. Rick Muma Busy season. Started moving in students to the campus last weekend. We have a full house. Estimating that WSU up around 1% Past year legislature approved $5M to applied learning. This is a major retention tool and will help with additional 1400 student We broke ground on facilities -ATF building facility -South of Hyatt Hotel -Signage will go up soon-nice meeting spaces Boeing/Senator Moran visit this week. Sheree will give update Kick off yesterday - was well received Clinton Hall was remodeled. It looks wonderful
Reports of Officers	**Vice President of Finance & Administration** – Marlo Dolezal Preparing for audit in the next two weeks. We do not anticipate major changes Preliminary Year End FY24 Total sources of funds budgeted $55.4M. We are $9M ahead of budget Higher enrollment numbers have resulted in increased tuition paid by Kansas Promise funds. Higher dollar contributions have been made to the Foundation. It is important to note that a significant portion of the net income consists of restricted funds. Expense side Operating Cash Reserves will end with a gain. Fully on 6 months Finance Committee met on Tuesday

	Motion to approve the Financials was considered and discussed and thereupon on the motion of Board member Pete Meitzner seconded by Meredith Olson the financials were approved. Motion carried: 10-0 with Meredith Olsen noted absent. **Vice President, Instructional & Academic Support –** Trish Schmidt We developed new programs, and we have revised new programs. We bring them to the board for approval so that we can get state funding. **Revised programs:** *Hospitality program –* We are creating a new track in our hospitality program. This program is in food and business management. It will include an entrepreneurial opportunity for students. They can receive a TC up to an associate's degree. ***Aerospace Manufacturing*** Right now, we have the adult program. That's the aviation assembly mechanics program, where they are very short term. They come and they're out in six or eight weeks. We have combined this a little bit with the high school program so they too can obtain that certificate. These students do this at the Future Ready Center and East High. They use the tango flight curriculum to build an aircraft, and they do fly it. **New Programs:** Start in January 2025 ***Electrical Technology*** *- AAS & TC* Commercial and residential program At the end of the course, they have put a couple of interesting courses, one that's specially designed for fire and emergency and health. There is a solar power course, which is part of the associates degree. ***Quality Assurance Inspection*** *AAS & TC* Manufacturing department. Working with industry. They will have inspection skills and basic knowledge. This is not NDT Motion to approve the revised programs and new programs were considered and discussed and thereupon on the motion of Board member Doug Stark seconded by Nici Duncan the programs as presented were approved. Motion carried: 12-0 with Greg Stroud and Alicia Thompson noted absent. **Vice President of Student Success** – Dr. Justin Pfeifer Fall 2024 Comparison We are trending up 10% year to year High school population right now is up 44.5% which we know we're going to see some growth in the HS dual credits. We are anticipating tremendous growth, both at the health, healthcare at Future Ready center. This will grow adults. We are currently up 2.1% credit hrs. for adults. Reviewed enrollment by Division Reviewed and discussed Strengths/Challenges -Strong growth across the board in health sciences -Almost up 100 students in Culinary and Hospitality -General Education is only area we are significantly down
President's Report	**WSU Tech Strategic Plan review** – PPMC *(approval required)* Vision and Mission did not change Goal areas: People & Culture, Student Success, Financial Sustainability, Continuous Improvement and Community Partnerships

	Reviewed the Guiding Principles We engaged internally, students, staff and faculty. There were seven focus groups totaling 262 people. Externally, Industry, community leaders, WSU Executive Team and superintendents. There were six focus groups and twelve individual interviews. Reviewed and discussed the metrics and goals of each goal area. Motion to approve the WSU Tech Strategic Plan was considered and discussed and thereupon on the motion of Board member Pete Meitzner seconded by Meredith Olson the Strategic Plan was approved. Motion carried: 12-0 with Greg Stroud and Alicia Thompson noted absent. **KBOR** Went together for a $10M ask. $4M to WSUTech and $6M to the university based on some digital transformation, new type of robotic automation, and programming WSU Tech received $250K for the last two years for cybersecurity. We up that ask as a two-year sector to $350K for the next year. Received our first student success dollars this last year, a little in excess of $1M. We asked for that again. We asked for full funding of Excel and CTE and non-tiered funding. Last year was the first year that we got some dollars for apprenticeship and business partnerships. We got a great return on our investment. So, we asked for that to continue, which is a little over a million. We talked about the 1.5 million in the base operating grant, of which we used the money last year for some of the work that we're doing. We used it at City Center in the automotive this time. More to come This this year, we have an ask of the board that we're going to talk about in Executive Session, and hopefully come out, with the motion where that 1.5 will go into building the future ready Center at South for IT. The two-year technical colleges only, because that's the only ones that received this. We asked for a phase two of that money. Also asked for the original $10M to go into the budget permanently. The original was distributed equally amongst the Technical College. We asked for a second, $10M to be distributed. **Senator Moran and Boeing visit update**: All visitors are surprised at what we are doing at NCAT and in the community. Toured a few labs Spoke about workforce **London Airshow**: Sen Moran had over 460 attend his reception Wichita was well represented There were over 1200 exhibitors from 44 countries Over 100 industry engagements, over 150 meetings All companies are concerned about labor workforce Wichita will always need to fight to be the air capital. We forget Alabama wants to be the next air capital. Lily Wu, Pete and Rick gave updates on airshow Governor Kelly was also in attendance
Executive Session	**Motion for Executive Session – 4:00 PM (Maggie Topping)**

	I move that we recess into Executive Session to discuss property. The session is expected to last approximately 25 minutes and will return to open session in this room at 4:25 PM Motion by Pete Meitzner and Second by Lily Wu
Reconvened	The meeting reconvened at approximately 4:30 PM into open session. No formal action was taken in executive session
President's Report Continued	**South Campus Additional Lease** Expansion of leased space at the WSU South Campus. Additional space will allow for expansion of IT Program, addition of IT FRC space, and enhance opportunities to share space with industry partners Lease Rate $12/sq ft + CAM 2 years for 31,437 square feet + 8 years for 51,672 square feet. Motion to approve the South Campus Additional Lease were considered and discussed and thereupon on the motion of Board member Andrew Nichols seconded by Derek Penn the Lease was approved Motion carried: 12-0 with Greg Stroud and Alicia Thompson noted absent. **NCAT Expansion** Letter of Intent with MWCB, LLC Next 60 day for predesign and testing fees for engineering and architectural work to start on 8/19/2024 for work completed prior to lease execution no later than October 21, 2024. Motion to approve LOI was considered and discussed and thereupon on the motion of Board member Bryan Frye seconded by Doug Stark the LOI was approved Motion carried: 12-0 with Greg Stroud and Alicia Thompson noted absent. Showed the Commencement video Campaign update – Courtney Sendall Tabled until October board meeting
Adjournment	At approximately 4:40 p.m., the meeting adjourned

Approved: Signature Dated

From:	Jessi Lane
To:	Trish Schmidt
Cc:	Jennifer Seymour Ed.D
Subject:	Fw: [EXTERNAL] Re: [EXTERNAL] WSU Tech Electrician Advisory Meeting Follow up
Date:	Tuesday, October 15, 2024 7:18:57 AM
Attachments:	image001.png Outlook-3e1dq3dc.png

Jessi Lane | WSU Tech

Dean, Applied Technologies | jlane11@wsutech.edu

City Center
301 S. Grove | Wichita, KS 67211
Tel 13166779916 | www.WSUTECH.edu
Facebook | Instagram | LinkedIn

From: Stephen Reed <stephen@eliteelectriccompany.com>
Sent: Tuesday, October 15, 2024 7:18:00 AM
To: Jessi Lane <jlane11@wsutech.edu>
Subject: [EXTERNAL] Re: [EXTERNAL] WSU Tech Electrician Advisory Meeting Follow up

Goodmorning Jessi,

Yes we would consider bringing on students from the program.

Thanks,
Stephen

From: Jessi Lane <jlane11@wsutech.edu>
Sent: Monday, October 14, 2024 4:16 PM
To: Stephen Reed <stephen@eliteelectriccompany.com>
Subject: RE: [EXTERNAL] WSU Tech Electrician Advisory Meeting Follow up

Stephen,

Thank you for your insights as we work to build this program. Would Elite Electric ever have interest in hiring students either while they are in school or after school to complete their work experience towards their Journeyman?

Thank you again!

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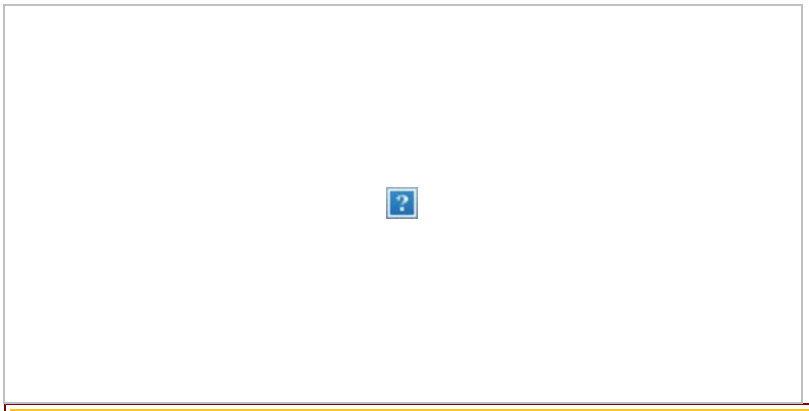
From: Stephen Reed <stephen@eliteelectriccompany.com>
Sent: Tuesday, October 8, 2024 4:04 PM
To: Jessi Lane <jlane11@wsutech.edu>
Subject: [EXTERNAL] WSU Tech Electrician Advisory Meeting Follow up

Jessi,

Thank you for the invite to this meeting. This program sounds exciting and I look forward to hearing more about it. I have attached the document I was referencing in the meeting and have highlighted the Section 4.1.020.

Thank you and talk to you soon,
Stephen Reed



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