OCTOBER 17, 2024

Kansas Postsecondary Technical Education Authority
Technical Program and Curriculum Committee
Curtis State Office Building
1000 SW Jackson, Suite 520
Topeka, KS 66612

2024-2025

Technical Program and Curriculum Committee:

Mike Beene, Chair	Cindy Hoover, Vice Chair	Mark Hess
Debra Mikulka	Dr. Tiffany Anderson	Natalie Clark
Ray Frederick, Jr.		

Building a Future
Higher Education's Commitment to Kansas Families, Businesses, and the Economy

1. Helping Kansas families
2. Supporting Kansas businesses
3. Advancing economic prosperity

KANSAS POSTSECONDARY TECHNICAL EDUCATION AUTHORITY GOALS 2024-2025

Goals

1. Explore opportunities to diversify the funding base for Adult Education services to ensure expansion and sustainability of those services. Activities could include identification and active pursuit of potential funding sources such as grants, private partnerships, and government funding programs.

2. Identify and share best practices in reducing and/or eliminating the actual fees high school students participating in the Excel in CTE programs are assessed and ensure actual costs and potential subsidies are adequately communicated.

3. Explore methods to ensure data used to calculate the components of the instructional cost model represent actual costs.

4. Resume program performance reviews using previously established criteria to validate and communicate the value of technical education in developing a skilled workforce and meeting the needs of business and industry.

5. Improve collaboration and integration of programs between Community Colleges and Technical Colleges and Adult Education centers to streamline joint programs, educational pathways, and communication channels ensuring seamless transitions for learners and between institutions.

6. Explore a methodology to share best practices and communicate student participation rates in work-based learning opportunities.

7. Work with Commerce in expanding the apprenticeship model and include a method for identifying and reporting the number of apprenticeships established and the number of apprentices participating.

8. Explore a method to report participation, promote awareness, and emphasize business & industry partnerships and the value of customized training occurring at the institutions using input from community colleges, technical colleges, and universities.

9. Enhance military articulation and support efforts.

10. Explore opportunities to enhance corrections programs and methods to communicate progress to meet workforce needs.

TABLE OF CONTENTS

MEETING AGENDA

The Kansas Postsecondary Technical Education Authority's Technical Program and Curriculum Committee will meet virtually through Zoom.

Thursday, October 17, 2024

I.	**Call To Order**	Chair Mike Beene	
II.	**Approval of Minutes** *A. August 15, 2024* *B. September 12, 2024*	Chair Mike Beene	*p. 2*
III.	**Consideration of Discussion Agenda**		
	A. Act on Program Alignments: *1. Automation Engineer Technology* *2. Industrial Machine/Maintenance Technology*	Crystal Roberts, Associate Director for Workforce Development	*p. 7*
	B. Act of New Technical Programs: *1. Wichita State University Campus of Applied Sciences and Technology: Accounting (52.0302)* *2. Wichita State University Campus of Applied Sciences and Technology: Quality Assurance Inspection (15.0702)*	Charmine Chambers, Director for Workforce Development	*p. 13*
	C. Act on New Promise Act Program(s): *Wichita State University Campus of Applied Sciences and Technology: Quality Assurance Inspection (15.0702)*	Charmine Chambers, Director for Workforce Development	*p.18*
IV.	**Next Meeting Reminder** Thursday, November 7, 2024	Chair Mike Beene	*p. 20*
V.	**Adjournment**	Chair Mike Beene	

KANSAS POSTSECONDARY
TECHNICAL EDUCATION AUTHORITY
Technical Program and Curriculum Committee
MINUTES
August 15, 2024

The Kansas Postsecondary Technical Education Authority's Technical Program and Curriculum Committee met virtually on August 15, 2024, via Zoom. Proper notice was given according to law.

MEMBERS PRESENT:	Mike Beene, Chair Cindy Hoover, Vice Chair Dr. Tiffany Anderson Natalie Clark Ray Frederick
MEMBERS NOT PRESENT:	Mark Hess Debra Mikulka

The meeting was called to order by Chair Beene at 3:04 P.M.

APPROVAL OF MINUTES
Member Frederick moved to approve the minutes of the May 16, 2024, meeting and following a second by Member Anderson, the motion carried.

CONSIDERATION OF DISCUSSION AGENDA

ACT ON NEW CAREER AND TECHNICAL EDUCATION PROGRAM(S): FLINT HILLS TECHNICAL COLLEGE: PRECISION AGRICULTURE (01.1102)
Charmine Chambers, Director of Workforce Development, provided an overview of Flint Hills Technical College's proposal to introduce a technical certificate B and an Associate of Applied Science degree in Precision Agriculture Technology. She noted that while discussions about developing agricultural programs have been ongoing for years, challenges related to resources, space, and prioritization have hindered progress. This proposal emerged from collaboration between the college and local farmers, implement dealers, and other agriculture representatives.

The program will prepare students for certifications in private and commercial pesticide application and a remote pilot license for drones. Flint Hills Tech expects an initial enrollment of 15 to 25 students, with the potential to serve 50 to 75 students per cohort in the future. The program is designed to train precision agriculture technicians and will use the CIP code 01.1102 (Agronomy and Crop Science), which was previously moved to non-technical funding status due to low performance. The college is seeking to reinstate this code to technical funding.

Director Chambers highlighted that the occupation has a projected increase of 6.4% in Kansas, compared to the statewide average of 3.3%. The average annual wage for this occupation is $45,150, which surpasses the 2023 high demand threshold. The program has garnered support from local businesses and schools, which have pledged commitments for job placements, internships, and donations.

The program will begin in the fall of 2025, with an estimated additional cost of $2,171,100, covering salaries, facilities, and equipment. Funding will come from the college foundation, local budget, and grants. Director Chambers also mentioned that no public comments were received during the 10-day comment period for the proposal.

Lisa Kirmer, Executive Vice President of Student & Academic Affairs at Flint Hills Technical College acknowledged that Director Chambers had addressed most of the relevant topics. She noted that two businesses, initially expected to participate in the discussion, were unable to attend due to the busy season in the agriculture industry but might join later if possible. Kirmer mentioned that since submitting the proposal, additional businesses have expressed interest in the program, and there have been more discussions with potential partners not yet included in the application or supporting materials.

Member Cindy Hoover raised a question about the reasons behind the shift in interest for the Precision Agriculture program, which was previously placed on hold. She wondered why there is now a surge of interest when there seemed to be little demand before. Chair Beene explained that recent advancements in agriculture technology, including automation in machinery and the increased use of technology in farming, have significantly changed the field. This technological shift has driven new interest in precision agriculture.

Director Chambers added that the program was moved to non-technical status in 2019 due to a lack of data showing successful outcomes for graduates. However, discussions about potential criteria for reinstatement of such programs has been underway and that additional reinstatement information was included in the program proposal. Future program reviews will help clarify these issues further.

Chair Beene called for a motion to approve Flint Hills Technical College's proposal for a technical certificate B and an Associate of Applied Science degree in Precision Agriculture, and to place it on the consent agenda for the August 29th meeting. Member Cindy Hoover so moved, and Member Ray Frederick seconded the motion. The motion carried.

ACT ON EXCEL CAREER AND TECHNICAL EDUCATION FEES: FLINT HILLS TECHNICAL COLLEGE: PRECISION AGRICULTURE (01.1102)

Charmine Chambers, Director of Workforce Development, outlined the proposed Excel in CTE fees for the Precision Agriculture program. The total fee would be $175, which includes $25 for private pesticide applicator certification and $150 for a remote pilot license for drones. Information on comparable fees from other institutions was also provided for consideration. Chair Beene noted that the $25 fee for the pesticide applicator certification has remained unchanged for several years

Member Ray Frederick moved to approve the proposed program and place the item on the consent agenda for the full TEA meeting, Member Hoover seconded the motion. The motion carried.

ACT ON PROGRAM ALIGNMENT(S): WELDING TECHNOLOGY ARTICULATED CREDIT WITH KSDE

Crystal Roberts, Associate Director of Workforce Development, presented the alignment of the Welding Technology program's articulated credit with the Kansas State Department of Education (KSDE). This alignment is a new effort to coordinate articulated course credit between secondary and postsecondary technical education programs across Kansas. It falls under Phase V of the program realignment process and is supported by a Perkins Reserve grant.

The Welding Technology program was last realigned in 2021. The grant provided $2,500 stipends to two postsecondary faculty members—Jeremiah Harmon from Hutchinson Career and Technical Education Academy through partnership with Hutchinson Community College and Scott Hammer from Coffeeville Community College—to develop a crosswalk of articulated credit options. This crosswalk, which compares KSDE pathway courses to common courses in KBOR aligned programs, is part of creating a statewide articulation map for Welding Technology.

The crosswalk was reviewed and updated by a faculty committee and presented for presidential comment between May 31 and June 14, 2024. No modifications were requested during this period. The final proposal includes

aligning KSDE's high school courses for Agricultural Welding I & II and Welding Processes I & II with KBOR common courses for shielded metal arc welding (SMAW) and gas metal arc welding (GMAW).

Associate Director Roberts mentioned that while Mr. Harmon was unable to join the call due to teaching commitments, Mr. Hammer was expected to attend but had not yet appeared. She welcomed any questions from the group.

Member Natalie Clark praised the alignment and suggested updating the completer definition based on recent Perkins recommendations. Associate Director Roberts agreed to incorporate this update into the program alignment map.

Member Natalie Clark made the motion to approve the alignment map and place the item on the consent agenda for the full TEA meeting. Member Ray Frederick seconded the motion. The motion carried.

NEXT MEETING REMINDER

Chair Beene reminded everyone that the next meeting is scheduled for September 12, 2024. Member Hoover explained that she has a conflict with the time for the next meeting, and the committee agreed to meet at 1:00p.m. on September 12, 2024.

ADJOURNMENT

Chair Beene called for a motion to adjourn the meeting at 3:35 P.M. Member Ray Frederick followed with a second, the motion carried.

KANSAS POSTSECONDARY
TECHNICAL EDUCATION AUTHORITY
Technical Program and Curriculum Committee
MINUTES
September 12, 2024

The Kansas Postsecondary Technical Education Authority's Technical Program and Curriculum Committee met virtually on September 12, 2024 via Zoom. Proper notice was given according to law.

MEMBERS PRESENT:	Mike Beene, Chair Cindy Hoover, Vice Chair Mark Hess
MEMBERS NOT PRESENT:	Debra Mikulka Dr. Tiffany Anderson Natalie Clark Ray Frederick

The meeting was called to order by Chair Beene at 1:04 P.M.

APPROVAL OF MINUTES
A quorum was not present. As a result, the approval of the previous meeting's minutes was deferred until the next meeting when a quorum could be established. No official actions or decisions were made due to the lack of quorum, and the meeting proceeded informally with updates and discussion items.

CONSIDERATION OF DISCUSSION AGENDA

ACT ON PROGRAM ALIGNMENT(S): INSTITUTION PROGRAM ALIGNMENT VERIFICATION PROJECT
Crystal Roberts, Associate Director for Workforce Development, presented on the Program Alignment Verification Project.

Program Alignment focuses on four key objectives: incorporating industry input on necessary technical skills, identifying industry-recognized certifications, standardizing program content, and reducing variability in program length. Over the past year, Workforce Development staff have discovered instances of noncompliance in program alignment across several institutions, including discrepancies in program names, course offerings, and certification requirements.

In response, Associate Director Roberts outlined strategies for ensuring compliance. First, the Institution Program Alignment Verification process will begin on October 1, 2024. Institutions will review and verify that their programs meet alignment requirements, with the verification process concluding on March 1, 2025. Additionally, Workforce Development staff will review institution programs and update alignment data accordingly. Moving forward, annual realignment submissions will be required by July 1 each year, with a Presidential Acknowledgment Letter to follow by August 1, listing any non-aligned programs.

The results of the verification process will be presented to TEA in September 2025. The project was reviewed by board staff and is recommended for approval. Associate Director Roberts stood for questions, addressing concerns about the extended timeline, noting the need for institutions to thoroughly check both their internal records and public-facing materials for compliance.

Member Mark Hess inquired whether there had been an opportunity to consult with Northwest Kansas Technical College (NWKTC) or North Central Kansas Technical College (NCKTC), as both institutions have been actively involved in program alignment efforts with Fort Hays State University. He suggested that gathering their feedback on any issues encountered during their alignment process could provide valuable insights for the ongoing project.

Associate Director Roberts noted that while they had not specifically consulted NWKTC or NCKTC, similar discussions had occurred with other colleges. She mentioned that the topic had been introduced to the Perkins coordinators during their annual training in early August. Director Chambers added that she had personally discussed some of the program alignment updates with NCKTC, though not yet with NWKTC.

Member Cindy Hoover sought clarification on the timeline for the review, confirming that the process starting in October 2024 would pertain to the academic year 2025. Associate Director Roberts clarified that while institutions would need to have all their 2025 programs entered by March 2025, the program alignment maps would still adhere to a fall semester timeline, ensuring consistency with college catalogs and degree maps updates.

Chair Beene concluded the discussion by stating that they would revisit this topic during the discussion agenda for the TEA meeting scheduled for September 26, 2024.

NEXT MEETING REMINDER

Chair Beene reminded everyone about the upcoming virtual TEA meeting scheduled for September 26th and confirmed that the next committee meeting would be on October 17th.

ADJOURNMENT

The meeting was adjourned at 3:22 p.m.

III. Consideration of Discussion Agenda

A. Act on Program Alignments: Crystal Roberts, Associate Director for Workforce Development

1. Automation Engineer Technology

Summary

One of the foundational strategic priorities of the Postsecondary Technical Education Authority has been to enhance technical education in the state through the alignment of specific technical programs to ensure the needs of business and industry are consistently met. Program Alignment has four primary objectives: provide direct business and industry input regarding required and preferred technical skills needed as well as program exit points matching employment opportunities for graduates; identify nationally recognized third-party industry-recognized certifications; identify common and support courses within a program; and decrease the variability in program length. The TEA and KBOR approved Program Alignment process model was developed through cooperative efforts of community and technical college representatives, authority members, and KBOR staff.

Background

One of the strategic priorities of the Postsecondary Technical Education Authority (TEA) is to enhance technical education in our state by the alignment of specific technical programs. This project is driven by the needs of business and industry in the state. Program Alignment consists of five phases:

- Phase I: Research and industry engagement.
- Phase II: Faculty engagement and aligning curriculum with certifications.
- Phase III: Approval of program structure and curriculum.
- Phase IV: Implementation.
- Phase V: Standards revision.

Phase V: Standards Revision: Automation Engineer Technology (15.0406)

The Automation Engineer Technology program was last realigned in 2014. At the time, two exit points were established (Technical Certificate C and an Associate of Applied Science degree) with five common courses.

Review of the Automation Engineer Technology alignment began in response to faculty contacting KBOR requesting a need for realignment due to the requests from local businesses for a quicker exit point into the workforce. A survey was sent to the relevant business and industry community to gauge the need for program realignment. The survey also requested interest in serving on the business and industry (B&I) committee. Eight business members completed the survey with four agreeing to be on the B&I committee. The members of that committee met on February 26, 2024, and agreed on several recommendations to bring to the faculty committee.

Automation Engineer Technology program administrators and faculty from two institutions (with a third providing feedback after the meeting) and KBOR staff met virtually on April 4, 2024, to begin the realignment process. The combined B&I and faculty committee recommended keeping the two existing award levels as well as adding Technical Certificates A and B. The Technical Certificate A would require two Common Courses (AC/DC Circuits and Industrial Fluid Power), three Support Courses (OSHA 10 or 30, Math, and Employability Skills/Interpersonal Communication), and would include the industry certification for OSHA 10 or 30. The Technical Certificate A would allow students to obtain sufficient knowledge and skills for entry level employment. The Technical Certificate B would require one additional common course (Programmable Logic Controllers) and one additional Support Course (Fundamentals of Motor Control/Electrical Control Systems I). The Technical Certificate C would require one additional common course (Industrial Robotics) and one additional Support Course (Actuator & Sensor Systems/Industrial Process Control). While not a requirement for employment, A.A.S. graduates will be prepared to take and pass the Control Systems Technician (CST) exam through the International Society of Automation (ISA). All certificate levels and the A.A.S. degree option would provide institutional flexibility.

The committee then focused on courses required within the program. The addition of two entry level exit points provided a streamlined framework that allowed for the reclassification of Common Courses and Support Courses throughout the program. Common Courses will now include 13 credits: AC/DC Circuits, Industrial Fluid Power, Programmable Logic Controllers (PLC), and Industrial Robotics. Two additional Support Courses (Math and Employability Skills/Interpersonal Communication) were included due to identified B&I need and committee request at the Certificate A exit point. In addition, another Support Course (Fundamentals of Motor Control/Electrical Control Systems I) was included at B&I's request. While the Actuator & Sensor Systems/Industrial Process Control Common Course transitioning to a Support Course will allow for a credit hour range to provide institutional flexibility for the configuration of lecture and lab work.

The attached proposed alignment map, reflecting the final combined recommendations from the B&I and Faculty committees, was issued for presidential comment from August 23, 2024, to September 10, 2024, with additional time added due to the Labor Day holiday. One faculty comment was received regarding the name of the Common Course, AC/DC Circuits, but was not agreed upon by the full committee.

Recommendation
The proposed revisions to the Automation Engineer Technology program alignment and course outcomes have been reviewed by Board staff and are recommended for approval by the Technical Education Authority's Technical Program and Curriculum Committee.

Automation Engineer Technology Program Alignment – CIP: 15.0406

Effective: Fall 2026
Issued xx/xx/24

Certificate A 16-29 Credit Hours	• AC/DC Circuits • Industrial Fluid Power • OSHA 10 • Math • Employability Skills/Interpersonal Communication
Certificate B 30-44 Credit Hours	• Certificate A Requirements • Programmable Logic Controllers (PLC) • Fundamentals of Motor Control/Electrical Control Systems I
Certificate C 45-59 Credit Hours	• Certificate B Requirements • Industrial Robotics • Actuator & Sensor Systems/Industrial Process Control
A.A.S. 60-68 Credit Hours	• Certificate C Requirements • Minimum of 15 Credit Hours of General Education

Required Courses within Program

Common Courses	***13 credits:***
AC/DC Circuits	*4 credits*
Industrial Fluid Power	*3 credits*
Programmable Logic Controllers (PLC)	*3 credits*
Industrial Robotics	*3 credits*
Support Courses*	***11-15 credits:***
OSHA 10 or 30	*1-3 credits*
Math	*3 credits*
Employability Skills/ Interpersonal Communication	*2-3 credits*
Fundamentals of Motor Control/ Electrical Control Systems I	*2-3 credits*
Actuator & Sensor Systems/ Industrial Process Control	*3 credits*

Notes

Specifics pertaining to Automation Engineer Technology programs:

1. Educational Competencies align with ISA requirements.
2. While not a requirement for employment, A.A.S. graduates will be prepared to take and pass the Control Systems Technician (CST) exam through the International Society of Automation (ISA).
3. Level C certificates that do not include any general education courses and lead to the A.A.S. degree cannot be greater than 53 credit hours to maintain the 68 credit hour maximum for the A.A.S. degree.

Course list sequence has no implication on course scheduling by colleges.

Institutions may add additional competencies based on local demand.

Competencies identified within the Common Courses and/or Support Courses represent opportunities for articulation with K-12.

**Institutions may utilize existing like course titles for Support Courses that adhere to the agreed upon course lengths.*

2. Industrial Machine/Maintenance Technology

Summary

One of the foundational strategic priorities of the Postsecondary Technical Education Authority has been to enhance technical education in the state through the alignment of specific technical programs to ensure the needs of business and industry are consistently met. Program Alignment has four primary objectives: provide direct business and industry input regarding required and preferred technical skills needed as well as program exit points matching employment opportunities for graduates; identify nationally recognized third-party industry-recognized certifications; identify common and support courses within a program; and decrease the variability in program length. The TEA and KBOR approved Program Alignment process model was developed through cooperative efforts of community and technical college representatives, authority members, and KBOR staff.

Background

One of the strategic priorities of the Postsecondary Technical Education Authority (TEA) is to enhance technical education in our state by the alignment of specific technical programs. This project is driven by the needs of business and industry in the state. Program Alignment consists of five phases:

- Phase I: Research and industry engagement.
- Phase II: Faculty engagement and aligning curriculum with certifications.
- Phase III: Approval of program structure and curriculum.
- Phase IV: Implementation.
- Phase V: Standards revision.

Phase V: Standards Revision: Industrial Machine/Maintenance Technology (47.0303)

The Industrial Machine/Maintenance Technology program was last realigned in 2014. At the time, two exit points were established (Technical Certificate C and an Associate of Applied Science degree) with four common courses.

Review of the Industrial Machine/Maintenance Technology alignment began in response to faculty contacting KBOR requesting the need for realignment due to the requests from local businesses for a quicker exit point into the workforce. A survey was sent to the relevant business and industry community to gauge the need for program realignment. The survey also requested interest in serving on the business and industry (B&I) committee. Twenty business members completed the survey with ten agreeing to be on the B&I committee. The members of that committee met on March 18, 2024, and agreed on several recommendations to bring to the faculty committee.

Industrial Machine/Maintenance Technology program administrators and faculty from six institutions, one business, and KBOR staff met virtually on May 2, 2024, to begin the realignment process. This group recommended to change the name of the program from Industrial Machine Mechanic to Industrial Machine/Maintenance Technology to better reflect the career opportunities in this field. An institution's program title may include Machine *OR* Maintenance *OR* both for marketing purposes.

The combined B&I and faculty committee recommended keeping the two existing award levels as well as adding Technical Certificates A and B. The Technical Certificate A would require three Common Courses (AC/DC Circuits, Mechanical Systems, and Mechanical Systems Reliability), three Support Courses (OSHA 10, Math, and Employability Skills/Interpersonal Communication), and would include the industry certification for OSHA 10. The Technical Certificate A would allow students to obtain sufficient knowledge and skills for entry level employment. The Technical Certificate B would require one additional Common Course (Programmable Logic Controllers) and two additional Support Courses (Industrial Fluid Power/Fluid Power I & II and Fundamentals of Motor Control/Electrical Control Systems I). The Technical Certificate C would require one additional Common Course (Industrial Process Control) and one additional Support Course (Variable Speed Motor Controls/Electrical Control Systems II). While not a requirement for employment, A.A.S. graduates will be prepared to take and pass

the Certified Maintenance and Reliability Technician (CMRT) certification through the Society for Maintenance and Reliability Professionals (SMRP). All certificate levels and the A.A.S. degree option would provide institutional flexibility.

The committee then focused on courses required within the program. The addition of two entry level exit points provided a streamlined framework that allowed for the reclassification of Common Courses and Support Courses throughout the program. Common Courses will now include 16 credits: AC/DC Circuits, Mechanical Systems, mechanical Systems Reliability, Programmable Logic Controllers (PLC), and Industrial Process Control. One additional Support Course (Employability Skills/Interpersonal Communication) was included due to identified B&I need and committee request at the Certificate A exit point. Retaining the existing Support Courses will allow for a credit hour range to provide institutional flexibility for the configuration of lecture and lab work.

The attached proposed alignment map, reflecting the final combined recommendations from the B&I and Faculty committees, was issued for presidential comment from August 23, 2024, to September 10, 2024, with additional time added due to the Labor Day holiday. No comments were received that requested modifications to the proposed program alignment.

Recommendation
The proposed revisions to the Industrial Machine/Maintenance Technology program alignment and course outcomes have been reviewed by Board staff and are recommended for approval by the Technical Education Authority's Technical Program and Curriculum Committee.

Industrial Machine/Maintenance Technology Program Alignment – CIP: 47.0303

Effective: Fall 2026
Issued xx/xx/24

Certificate A 16-29 Credit Hours	• AC/DC Circuits • Mechanical Systems • Mechanical Systems Reliability • OSHA 10 • Math • Employability Skills/Interpersonal Communication
Certificate B 30-44 Credit Hours	• Certificate A Requirements • Programmable Logic Controllers (PLC) • Industrial Fluid Power/Fluid Power I & II • Fundamentals of Motor Control/ECS I
Certificate C 45-59 Credit Hours	• Certificate B Requirements • Industrial Process Control • Variable Speed Motor Controls/ECS II
A.A.S. 60-68 Credit Hours	• Certificate C Requirements • Minimum of 15 Credit Hours of General Education

Required Courses within Program

Common Courses	***16 credits:***
AC/DC Circuits	*4 credits*
Mechanical Systems	*3 credits*
Mechanical Systems Reliability	*3 credits*
Programmable Logic Controllers (PLC)	*3 credits*
Industrial Process Control	*3 credits*

Support Courses*	***13-19 credits:***
OSHA 10	*1 credit*
Math	*3 credits*
Employability Skills/ Interpersonal Communication	*2-3 credits*
Industrial Fluid Power/ Fluid Power I & II	*3-6 credits*
Fundamentals of Motor Control/ Electrical Control Systems I	*2-3 credits*
Variable Speed Motor Control/ Electrical Control Systems II	*2-3 credits*

Course list sequence has no implication on course scheduling by colleges.

Institutions may add additional competencies based on local demand.

Competencies identified within the Common Courses and/or Support Courses represent opportunities for articulation with K-12.

**Institutions may utilize existing like course titles for Support Courses that adhere to the agreed upon course lengths.*

Notes

Specifics pertaining to Industrial Machine/Maintenance Technology programs:

1. Program title may include Machine **OR** Maintenance **OR** both for marketing purposes.
2. Educational Competencies align with CMRT requirements.
3. While not a requirement for employment, A.A.S. graduates will be prepared to take and pass the Certified Maintenance and Reliability Technician (CMRT) certification through the Society for Maintenance and Reliability Professionals (SMRP).
4. Level C certificates that do not include any general education courses and lead to the A.A.S. degree cannot be greater than 53 credit hours to maintain the 68 credit hour maximum for the A.A.S. degree.

B. Act of New Technical Programs: Charmine Chambers, Director for Workforce Development

1. Wichita State University Campus of Applied Sciences and Technology: Accounting (52.0302)

Summary and Staff Recommendation

To develop and enhance the talent pipeline for Kansas business and industry, new programs and/or additional programs are required. The Board office received requests from Wichita State University Campus of Applied Sciences and Technology to offer a Technical Certificate B (42 credit hours) and an Associate of Applied Science (60 credit hours) in accounting, and a Technical Certificate A (24 credit hours) and an Associate of Applied Science (61 credit hours) in Quality Assurance Inspection.

The programs addressed all criteria requested and were subject to the 10-day comment period required by Board policy. The programs were reviewed by Board staff and are presented for review and discussion by the Technical Education Authority's Program and Curriculum Committee.

Background

Community and technical colleges submit requests for new certificate and degree programs utilizing forms approved by Board staff. Criteria addressed during the application process include but are not limited to the following: program description, demand for the program, duplication of existing programs, faculty requirements, costs and funding, and program approval at the institution level.

Description of Proposed Programs:

Wichita State University Campus of Applied Sciences and Technology (WSU Tech) requests approval of the following program:

- Accounting (52.0302) – Technical Certificate B/42 credit hours, and Associate of Applied Science/60 credit hours

The U.S. Department of Education's Classification of Instructional Programs (CIP Code) 52.0302 describes an Accounting Technology/Technician and Bookkeeping program as one that prepares individuals to provide technical administrative support to professional accountants and other financial management personnel. The curriculum includes instruction in posting transactions to accounts, record-keeping systems, accounting software operation, and general accounting principles and practices.

Cross walking the proposed CIP Code 52.0302 (Accounting Technology/Technician and Bookkeeping) to occupations resulted in a match to one Standard Occupation Classification code (SOC): 43-3031 Bookkeeping, Accounting, and Auditing Clerks, which is defined as an occupation in which one would compute, classify, and record numerical data to keep financial records complete. Individuals would perform any combination of routine calculating, posting, and verifying duties to obtain primary financial data for use in maintaining accounting records, and may also check the accuracy of figures, calculations, and postings pertaining to business transactions recorded by other workers.

WSU Tech explained that the Business Administration program has included a technical certificate in accounting since 2019. In 2021, Koch Industries approached WSU Tech with a vision to cultivate its own talent in the accounting field, so WSU Tech, Koch Industries, and WSU worked together to create a specialized Accounting Technical Certificate as part of the WSU Tech Business Administration degree. This certificate is complemented by an applied learning opportunity with Koch industries, and the program has been so successful

that in 2024, Koch Industries approached WSU Tech regarding the need for additional coursework. This prompted WSU Tech to develop a new program dedicated to accounting outside of a general business degree.

The proposed program consists of a 42-credit hour Technical Certificate, and a 60-credit hour Associate of Applied Science. Students will be prepared to sit for the American Institute of Professional Bookkeepers (AIPB) Certified Bookkeeper (CP) exam. WSU Tech anticipates enrollment of 20 students the first year, and 40 students in years two and three.

The Kansas Department of Labor Long-term Occupation Projections 2022-2032 indicate a statewide change of employment for Bookkeeping, Accounting, and Auditing Clerks (SOC: 43-3031) of -.5% annually, with an annual median wage of $43,580. The typical education needed for occupation entry is some college, no degree, and annual openings equate to 2,171 jobs per year. This occupation is included in the most recent High Demand Occupation listing from the Kansas Department of Labor.

Lightcast job posting analytics show between September 2023 through September 2024, 3,733 total postings (1,554 unique postings) were advertised statewide. The annual median advertised salary was $44,700. Removing job postings with no education level listed, 55% of postings indicate a high school diploma or equivalent for entry in the occupation.

WSU Tech explained that the proposed program is aligned with the Perkins Comprehensive Local Needs Assessment, the committee indicated that the concentrators information in CIP code 52 are focused on 52.0799 Business Management & Entrepreneurship (92) and 52.0801 Business Finance (205). The committee recognized that there is significant demand for accountants/auditors by calling out the number of job postings (545) on JobSEQ for the past 12 months.

Three letters of industry support for the proposed program were received from Daland Corp, Morrow & Co. LLC, and Koch Capabilities, LLC. Supports and commitments for the program include interviewing program graduates, providing internships, and advisory committee membership.

Currently, nine institutions offer a similar program based on CIP code and/or program title. Below are the colleges, programs, total number of concentrators, total number of graduates, total number of graduates exiting the higher education system and employed, and average wage of graduates who exited the higher education system and are employed information from the 2023 K-TIP report, which includes only technical programs in two-year postsecondary institutions.

Kansas Training Information Program						
2023 K-TIP Accounting Technology/Technician and Bookkeeping (CIP 52.0302)						
CIP Code	Program Name	Institution	Total # Concentrators	Total # Graduates	Total # Graduates Exited & Employed	Average Wage: Graduates Exited & Employed
52.0302	Accounting Technology/Technician and Bookkeeping	Barton Community College	^	15	^	^
52.0302	Accounting Technology/Technician and Bookkeeping	Butler Community College	7	^	^	^
52.0302	Accounting Technology/Technician and Bookkeeping	Cowley Community College	7	^	^	^
52.0302	Accounting Technology/Technician and Bookkeeping	Highland Community College	20	10	^	^

52.0302	Accounting Technology/Technician and Bookkeeping	Hutchinson Community College	12	5	^	^
52.0302	Accounting Technology/Technician and Bookkeeping	Johnson County Community College	101	15	8	$63,825
52.0302	Accounting Technology/Technician and Bookkeeping	Manhattan Area Technical College	12	^	^	^
52.0302	Accounting Technology/Technician and Bookkeeping	Neosho County Community College	14	10	^	^
52.0302	Accounting Technology/Technician and Bookkeeping	Seward County Community College	^	^	^	^
Total			173	55	8	

(^) small cell protection applied.

WSU Tech contacted Butler Community College to discuss strategies for ensuring the success of the AAS option, however, are still waiting to receive a response. Program leadership is working with Pratt Community College on the selection of appropriate certifications for the program. During the development phase of the proposed Associate of Applied Science (AAS) in Accounting, WSU Tech collaborated closely with Koch Industries and WSU to create an effective curriculum pathway from WSU Tech to WSU. Wichita USD 259 provided a letter of support for the program.

The college plans to begin the proposed program in January 2025 and estimates the initial cost of the proposed program at $88,553 total, including $65,303 for new, full-time faculty, $22,250 for new adjunct faculty and $1,000 for instructional supplies and materials. Doug Maury, Dean of General Education and Professional Studies, will assume responsibility for the program.

The proposed program was subject to the 10-day comment period from September 26, 2024, to October 10, 2024, during which no comments were received.

Recommendation
The new program request submitted by Wichita State University Campus of Applied Sciences and Technology for Technical Certificate B for 42 credit hours, and an Associate of Applied Science for 60 credit hours in accounting has been reviewed by Board staff and is brought forward for discussion.

2. Wichita State University Campus of Applied Sciences and Technology: Quality Assurance Inspection (15.0702)

Wichita State University Campus of Applied Sciences and Technology (WSU Tech) requests approval of the following program:

- Quality Assurance Inspection (15.0702) – Technical Certificate A/24 credit hours, and Associate of Applied Science/61 credit hours

The U.S. Department of Education's Classification of Instructional Programs (CIP Code) 15.0702 describes a Quality Control Technology/Technician program as one that prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in maintaining consistent manufacturing and construction standards. The curriculum includes instruction in quality control systems management principles, technical standards applicable to specific engineering and manufacturing projects, testing procedures, inspection procedures, related instrumentation and equipment operation and maintenance, and report preparation.

Cross walking the proposed CIP Code 15.0702 (Quality Control Technology/Technician) to occupations resulted in a match to one Standard Occupation Classification code (SOC): 51-9061 Inspectors, Tester, Sorters, Samplers, and Weighers, which is defined as an occupation in which one would inspect, test, sort, sample, or weigh nonagricultural raw materials or processed, machined, fabricated, or assembled parts or products for defects, wear, and deviations from specifications. Individuals may use precision measuring instruments and complex test equipment.

WSU Tech explained that the proposal is the result of initial discussions in 2022 between Textron Aviation and WSU Tech, concerning the need for skilled workers to fill quality assurance positions. Additionally, a Quality Assurance Summit was held in August 2023 with multiple industry partners which reinforced the need for a formalized program for this occupation.

The proposed program consists of a 24-credit hour Technical Certificate A, and a 61-credit hour Associate of Applied Science. Students will earn the OSHA 10 certification and anticipates annual enrollment of 10 students in year one and two, and 15 students in year three.

The Kansas Department of Labor Long-term Occupation Projections 2022-2032 indicate a statewide change of employment for Inspectors, Tester, Sorters, Samplers, and Weighers (SOC: 51-9061) of .1% annually, with an annual median wage of $50,200. Typical education needed for occupation entry is a high school diploma or equivalent, and annual openings equate to 884 jobs per year. This occupation is included in the most recent High Demand / High Wage Occupation listing from the Kansas Department of Labor.

Lightcast job posting analytics show between September 2023 through September 2024, 3,257 total postings (1,294 unique postings) were advertised statewide. The annual median advertised salary was $47,700. Removing job postings with no education level listed, 74% of postings indicate a high school diploma or equivalent for entry in the occupation.

WSU Tech noted that the 2025-2026 Perkins Comprehensive Local Needs Assessment report identified this SOC code was specifically addressed as an occupation in which a pathway is not currently offered but needed.

Five letters of industry support for the proposed program were received from The Atlas Group – WASI Division, KMI, Metal Finishing Company, SQSystems and Cox Machine Incorporated, and commitments for the program include interviewing program graduates, providing internships, assisting with curriculum development, and serving on the advisory board.

Currently, this program is not offered by other institutions. While Barton Community College offers a program in the same CIP code of 15.0702, that program provides training specifically for Scale Technicians, and focuses on the skills necessary to install, repair and certify commercial and non-commercial scales. As such, WSU Tech determined to put its collaboration efforts into ensuring that industry drove the curriculum's development, using the Business & Industry Leadership Team (BILT) model for the program advisory committee. Renwick USD 267 provided a letter of support for the program.

The college plans to begin the proposed program in the Fall of 2025 and estimates the initial cost of the proposed program at $63,000 total, including $62,000 for new, full-time faculty and $1,000 for instructional supplies and materials. Funding will be provided from the institutional budget in the New Program Development fund. Mark Scott, Dean of Manufacturing will assume responsibility for the program.

The proposed program was subject to the 10-day comment period from September 26, 2024, to October 10, 2024, during which no comments were received.

Recommendation
The new program request submitted by Wichita State University Campus of Applied Sciences and Technology for a Technical Certificate A for 24 credit hours and an Associate of Applied Science for 61 credit hours, in Quality Assurance Inspection has been reviewed by Board staff and is brought forward for discussion.

C. Act on New Promise Act Program(s):

Charmine Chambers, Director for Workforce Development

Wichita State University Campus of Applied Sciences and Technology: Quality Assurance Inspection (15.0702)

Summary

The Kansas Legislature enacted the Kansas Promise Scholarship Act, which provides scholarships for students to attend an eligible postsecondary education institution. Eligible programs would be any two-year associate degree program, career and technical education certificate, or stand-alone program that correspond to high wage, high demand, or critical need in:

- *four specified fields of study (information technology and security; mental and physical healthcare; advanced manufacturing and building trades; and early childhood education and development).*
- *one college designated field of study from the specified list (Agriculture; Food and Natural Resources; Education and Training; Law, Public Safety, Corrections, and Security; or Distribution and Logistics).*
- *transfer programs with an established 2+2 and/or articulation agreements.*

Background

On May 23, 2022, Governor Kelly signed 2022 Senate Substitute for House Bill 2567, which adopted changes in the Kansas Program Scholarship Act, K.S.A. 2022 Supp. 74-32,271 et seq. The Act also maintains that the Board of Regents will administer the program. Administration is broken into three categories: rules and regulations, eligible programs, and other responsibilities.

Per statutory language (K.S.A. 2022 Supp. 74-32,271(b)(4) and K.S.A. 2022 Supp. 74-32,272(c)(1)(B)), 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:

a) approved by the Board of Regents;
b) high wage, high demand, or critical need; and
c) identified as a "promise eligible program" by the Board of Regents pursuant to K.S.A. 2022 Supp. 74-32,272, within any of the following fields of study:

- Information Technology and Security
- Mental and Physical Healthcare
- Advanced Manufacturing and Building Trades
- Early Childhood Education and Development

K.S.A. 2022 Supp. 74-32,272(a) 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 and 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:

- Agriculture;
- Food and Natural Resources;
- Education and Training;
- Law, Public Safety, Corrections, and Security; or
- Distribution, Logistics, and Transportation

K.S.A. 2022 Supp. 74-32,272(d) states that the Board of Regents may designate an associate degree transfer program as an eligible program only if such program is included in:

a) An established 2+2 agreement with a Kansas four-year postsecondary education institution; or
b) 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 sixty credit hours from the

eligible from the eligible postsecondary educational institution to a four-year postsecondary education institution for the completion of an additional sixty credit hours toward a bachelor's degree.

Recommendation

The following program is seeking approval to become a Promise Act eligible program. The program has been reviewed by KBOR staff and is recommended for approval by the Technical Education Authority's Technical Program and Curriculum Committee:

- Wichita State University Campus of Applied Sciences and Technology: Quality Assurance Inspection (15.0702) – falls under the Advanced Manufacturing and Building Trades category specified in legislation. SOC 51-9061 for Inspectors, Testers, Sorters, Samplers, and Weighers was identified as a High Demand / High Wage occupation on the 2024 High Demand Occupations list from the Kansas Department of Labor.

Postsecondary TEA Meeting Dates 2024-2025

Conference number: see agenda	Access code: see agenda

TEA Meeting Dates	Location
TEA meeting times and locations are subject to change based on the availability of the committee members	
Thursday, August 29, 2024	KBOR Office, Topeka - 10 a.m.
Thursday, September 26, 2024	Conference Call - 10 a.m.
Thursday, October 31, 2024	KBOR Office, Topeka - 10 a.m.
Thursday, November 21, 2024	Conference Call - 10 a.m.
Thursday, December 19, 2024	Conference Call - 1:30 p.m.
Thursday, January 30, 2025	KBOR Office, Topeka - 10 a.m.
Thursday, February 27, 2025	Conference Call - 10 a.m.
Thursday, March 27, 2025	KBOR Office, Topeka - 10 a.m.
Thursday, April 24, 2025	Conference Call - 10 a.m.
Thursday, May 29, 2025	KBOR Office, Topeka - 10 a.m.

Committee Conference Call Meeting Dates	Location
Committee meeting times and dates are subject to change based on the availability of the committee members	
All Committee meetings are conference calls	
Thursday, August 15, 2024	Budget/Finance Committee: 8:30 a.m. to 9:30 a.m. Program/Curriculum Committee: 3:00 p.m. to 4:30 p.m.
Thursday, September 12, 2024	
Thursday, October 17, 2024	
Thursday, November 7, 2024	
Thursday, December 5, 2024	
Thursday, January 16, 2025	
Thursday, February 13, 2025	
Thursday, March 13, 2025	
Thursday, April 10, 2025	
Thursday, May 15, 2025	

CURRENT FISCAL YEAR MEETING DATES KANSAS BOARD OF REGENTS

Fiscal Year 2025

Board of Regents Meeting Dates	**Agenda Materials Due to Board Office**
July 29-31, 2024	
September 18-19, 2024	August 28, 2024 at **NOON**
October 16-17, 2024 Campus Visit (WSU)	
November 20, 2024 Nov. 21-22, 2024 Campus Visit (KSU)	October 30, 2024 at **NOON**
December 18-19, 2024	November 25, 2024 at **NOON**
January 15-16, 2025	December 24, 2024 at **NOON**
February 12-13, 2025	January 22, 2025 at **NOON**
March 12-13, 2025	February 19, 2025 at **NOON**
April 16-17, 2025 (PSU)	March 26, 2025 at **NOON**
May 14-15, 2025	April 23, 2025 at **NOON**
June 11-12, 2025	May 21, 2025 at **NOON**

MEETING DATES FOR FY 2025

Fiscal Year 2025

Meeting Dates

September 18-19, 2024

October 16-17, 2024 Campus Visit (WSU)

November 20-22, 2024 Campus Visit (KSU)

December 18-19, 2024

January 15-16, 2025

February 12-13, 2025

March 12-13, 2025

April 16-17, 2025 Campus Visit (PSU)

May 14-15, 2025

June 11-12, 2025