

Postsecondary Technical Education Authority
AGENDA
Kansas Board of Regents
1000 SW Jackson, Suite 520, Topeka, KS
10:00 AM - THURSDAY, February 22, 2018
CONFERENCE CALL

I. CALL TO ORDER

- A. Approval Previous Minutes (January 17, 2018) Chair Frederick

II. REPORTS

- A. Introductions Chair Frederick
B. Chair's Report Chair Frederick
C. Member Liaison Reports TEA Members
D. Vice President for Workforce Development Report Vice President Smathers
E. Community College Report President Barwick
F. Technical College Report President Schears

III. CONSENT AGENDA

A. Budget and Finance Committee

Committee Chair Gann
Senior Associate Director Leite

- 1) State Innovative Technology Grants
- Flint Hills Technical College: \$10,844 Industrial Technology
 - Labette Community College: \$43,000 Welding Technology
 - Northwest Kansas Technical College: \$10,300 Diesel Technology
 - Wichita State University Campus of Applied Sciences and Technology: \$13,100 Industrial Automation
- 2) State Innovative Technology Internship Grant
- Kansas City Kansas Community College: \$3,000 Michael L. Florence

B. Technical Program and Curriculum Committee

Committee Chair R. Johnson
Director Henry

- 1) New Program
- Cloud County Community College: Solar Energy Technology (15.0505) – Technical Certificate B/33 credit hours; and Associate of Applied Science degree/64 credit hours
 - Salina Area Technical College: Commercial Truck Driving (49.0205) – Certificate A/16 credit hours
- 2) Amended Program Alignment
- Electrical Technology (46.0302) – Certificate B/44 credit hours; Certificate C/59 credit hours; and Associate of Applied Science/68 credit hours

IV. OTHER MATTERS

- A. Outcome Metrics Associate Director Chambers
B. Jobs and Innovative Industry Skills Training Grant Director Hancock
- Fort Scott Community College: \$150,457 Welding Technology
 - Johnson County Community College: \$18,000 Biological Laboratory Technology
 - Washburn University Institute of Technology: \$75,315 Diesel Technology
 - Labette Community College: \$184,900 Welding Technology
 - Manhattan Area Technical College: \$59,932 Biotechnology
 - Northwest Kansas Technical College: \$91,600 Precision Agriculture

V. NEXT MEETING REMINDER (Thursday, March 22, 2018)

Chair Frederick

VI. ADJOURNMENT

Conference Call Information

Dial-In Number: **866-620-7326**
Conference Code: **854-799-8672**

**PRELIMINARY MINUTES
KANSAS POSTSECONDARY
TECHNICAL EDUCATION AUTHORITY
MEETING**

The January 17, 2018 meeting of the Kansas Postsecondary Technical Education Authority (TEA) was held at the Capitol Plaza Hotel, Pioneer Rom, Topeka, Kansas.

Members Present

Ray Frederick Jr., Chair
Rita Johnson
Mike Johnson
Mike Beene

Eddie Estes
Bret Spangler
Dong Quach

Members Absent

Debbie Gann
Stacy Smith
Lana Gordon
Bruce Akin

Others Represented

Hutchinson Community College
Johnson County Community College
North West Kansas Technical College
North Central Kansas Technical College
Manhattan Area Technical College
SkillsUSA

Fort Scott Community College
Cowley Community College
Kansas City Kansas Community College
Barton Community College
Colby Community College

Kansas Board of Regents Staff Present

Scott Smathers
April Henry
Laura Leite
Susan Henry
Eric Tincher
Matt Casey

Connie Beene
Charmine Chambers
Tobias Wood
Susan Hancock
Pam Greene

The meeting was called to order by Chair Frederick at 10:00 A.M.

APPROVAL OF MINUTES

Motion: Member M. Beene moved to approve the minutes of December 7, 2017. Following a second by Member M. Johnson, the motion carried.

REPORTS

Introductions

Chair Frederick introduced Scott Smith from KSDE, who was substituting for Member Stacy Smith, new TEA members Dong Quach of the Kansas City Board of Public Utilities, and Bret Spangler of Mars Confectionaries. Chair Frederick also introduced Skills USA State Director Becky Warren and the 2018 Skills USA Officers.

Chairs Report

Chair Frederick reported that in the past month he has had numerous conversations with Legislators on Excel in CTE funding. He informed members he plans to continue community college and technical college campus visits. Chair Frederick informed members that TEA Member Joe Glassman, who has served on the TEA since its beginning, recently resigned. Chair Frederick expressed his appreciation for Mr. Glassman's tremendous contributions to technical education.

Member Liaison Reports

Chair Frederick recognized Member Estes who shared that he and Vice President Smathers visited with the Kansas Workforce Board working on a strategic plan for career technical education. He reminded members that today is the first day of the Kansas Workforce Summit as well as the KBOR meeting. Member Estes hopes that TEA members will be highly visible at the Summit.

Vice President for Workforce Development Report

Vice President Smathers expressed appreciation to the Governor and Lt. Governor for placing an additional \$7.2 million in the Excel in CTE budget. He informed members that the new Foresight 2020 issue is completed and has been provided to them today. Vice President Smathers shared that he has received a Good News letter from the community colleges, containing many great accomplishments. He specifically wanted to congratulate Highland Community College, on both of their nursing programs having a 100% pass rate on the NCLEX tests on their first attempt.

KBOR approved the program change and program request documents, which are now posted on the KBOR website. Vice President Smathers congratulated Sue Grosdidier, GED State Administrator, on her outstanding work with the Kansas Department of Corrections. He congratulated Connie Beene and her staff on their outstanding work with Army University, leading the nation in their work on the military articulation initiative. Vice President Smathers attended a Career Technical Student organization luncheon and was impressed with the focus of the secondary students. He has been asked to represent Kansas in the Midwestern Governor's Association for Workforce Development, and to lead a workgroup dealing with concurrent enrollment, specifically determining rate and delivery methods. He expressed he was contacted by a large business looking to partnership with institutions offering a CDL program and asked institutions to contact him if interested.

Report from Community Colleges

Chair Frederick recognized President Barwick of Independence Community College to provide a report and update on activities from the community colleges. President Barwick shared with the TEA that the community colleges are concerned about funding for Excel in CTE and concurrent enrollment funding, asking for TEA advocacy with the Legislature.

Report from the Technical Colleges

Chair Frederick recognized KATC President Schears, to provide a report and update on activities from the technical colleges. He expressed concerns for Excel in CTE funding and concurrent enrollment funding.

APPROVAL OF CONSENT AGENDA

Chair Frederick recognized Technical Program and Curriculum Committee Chair R. Johnson, who stated that the committee recommends approval of the new program request from Wichita Area Technical College for Healthcare Simulation Technology (51.1199) Associate of Applied Science degree/66 credit hours as recommended by the Technical Program and Curriculum Committee.

Motion: Member Estes moved to approve the new program request from Wichita Area Technical College for Healthcare Simulation Technology (51.1199) Associate of Applied Science degree/66 credit hours. Following a second by Member M. Johnson, the motion carried.

CONSIDERATION OF DISCUSSION AGENDA

Advocacy and Marketing Committee

Governor’s Proclamation for CTE Month

Chair Frederick recognized Advocacy and Marketing Committee Chair Estes, who informed members that the Governor’s Proclamation for Career Technical Education month will be signed January 26, 2018.

Budget and Finance Committee

Chair Frederick recognized Associate Director Chambers to present an overview of state funds available for FY 2018 for Excel in CTE, AO-K Proviso and GED Accelerator, as well as a recommendation for the 2017 First Distribution funding.

Motion: Following discussion, Member M. Johnson moved to approve the FY2018 First Distribution funding as presented. Following a second by member R. Johnson, the motion carried.

OTHER MATTERS

Adult & Career Technical Education 2017 State Performance

Chair Frederick called on Senior Director C. Beene to present an update on Adult and Career Technical Education 2017 State Performance. Institutions who receive Carl Perkins Grant funds report data to the Kansas Board of Regents, reflecting their performance on various metrics such as credential and degree attainment, and job placement. Institutions or unified school districts who receive Adult Education and Family Literacy Act funds report student level data such as skill gains, employment, GED attainment, etc. Results of data reported to the Office of Career, Technical and Adult Education, U.S. Department of Education was presented.

TEA Responsibilities Summary

Chair Frederick called on Vice President Smathers to present a summary of TEA member responsibilities some of which are assigned by Statute, and others assigned by KBOR. The TEA plays a vital role in CTE development efforts within postsecondary. As it’s working relationship with KBOR has evolved, the TEA’s associated areas of responsibility have also evolved. The summary was included in the member’s meeting packets.

Legislative Update

Chair Frederick recognized KBOR Director Casey to provide a legislative update to TEA members regarding the budget. He reported we are in the second year of the two-year budget cycle. In FY2018 the

Governor has included \$7.2 million dollars for Excel in CTE, and \$8.3 million for the next fiscal year. The Board's priority and recommendation to restore cuts from FY2017 of \$24 million dollars was not included in the Governor's budget. The Legislature has been very conservative in directing funding based upon the K-12 court-ordered payment which could reach \$600 million dollars. Director Casey expressed the importance of institutions representing to the Legislature as one unified higher education system.

NEXT MEETING REMINDER

Chair Frederick reminded members that the next TEA meeting will be February 22, 2018 at 10:00 AM via conference call.

ADJOURNMENT

With no further business, Chair Frederick adjourned the meeting at 11:27 A.M.

Respectfully submitted by:
Susan Henry, Executive Assistant

State Innovative Technology Grant Awards

Summary and Staff Recommendation

Purpose: K.S.A. 72-4467 established the Kansas Technology Innovation and Internship program to provide funds to career technical institutions for start-up support for innovative technical courses or programs in emerging technologies, manufacturing or areas of skill shortages. These funds are appropriated on an annual basis and awarded to institutions through a competitive grant process.

Eligible Institutions: Public postsecondary career technical institutions delivering approved technical education programs in Kansas. 02/22/2018

Criteria for Technology Grant Awards

FY18 Appropriation \$179,284

Grants awarded shall meet the following conditions:

- Private business must provide financial or in-kind support, or any combination thereof, to the career technical education institution equaling 100% of the amount of the grant (this match must come from a business other than the one who may sell technology equipment and/or services to the institution.)
- The technical course or program must be new to Kansas, or if an equivalent course or program is already in existence in Kansas, the new course or program is not offered at a site within 100 miles of a site at which the existing, equivalent course or program is offered, and
- The technical course or program must relate to a business or industry located in the service area of the career technical institution.
- The technical course or program must relate to emerging technologies, manufacturing or documented areas of skill shortages.
- Upon completion of the project, institutions receiving a grant award must submit all required reports and forms within the required timeframe.

The following is a summary of the proposals submitted and award amounts requested for consideration:

- **\$10,844 Flint Hills Technical College**
Project: Requested grant funds to purchase a Servo Drive that positions motors and equipment, monitors and changes speeds of productions to give precise measurement and ensures that machines stay within tight tolerances. The drives will be used to enhance instruction in IET 217 Instrumentation course. This grant will purchase eight drives for students to work on and learn the vital skills needed to keep up with industry standards.
Business/Industry Match: The required business/industry match for this project totals \$10,844 in the form of training and cash by The Bradbury Company, in Moundridge, KS and Stanion Wholesale Electric in Salina, KS.
- **\$43,000 Labette Community College**
Project: Requested grant funds to enhance the welding program. Grant funds will be used to purchase upgraded welding equipment that matches industry standards. Students will benefit from the purchase of these items for the welding program by learning up-to-date industry skills.
Business/Industry Match: The required business/industry match for this project totals \$291,000 which includes hiring graduates, and providing instruction, scrap materials and consumables from Tank Connection Affiliate Group of Parsons, KS.
- **\$10,300 Northwest Kansas Technical College**
Project: Requested grant funds to purchase innovative safety equipment, conditioning tools, countershaft rebuild tool kits and electronic engine tools. The safety equipment will assure that faculty can quickly get the attention of the students that are often working on individual and noisy projects. The

equipment purchased are specialty tools that are innovative and essential to emulate current industry standards.

Business/Industry Match: The required business/industry match for this project totals \$10,300 in the form of a donated Caterpillar engine from Hoxie Tank Service of Hoxie, KS and a financial donation from Carpenter Cattle Company of Brewster, KS.

- **\$13,100 Wichita State University Campus of Applied Sciences and Technology**

Project: Requested grant funds will purchase the Tru-Lign leveling system for the Industrial Automation program. Tru-Lign is cutting edge technology for machine leveling and alignment. Students in the program will be exposed to technology that many shops are only beginning to implement, giving them, a skill set that other entry-level candidates will not possess when applying for jobs.

Business/Industry Match: The required business/industry match for this project totals \$13,485 in materials and training by Y3DE, LLC of Viola, KS.

Recommendation:

The TEA Budget and Finance Committee has reviewed these proposals and recommends approval by the Technical Education Authority.

Requests for State Innovative Technology Internship Grant Award

Summary and Staff Recommendation

Purpose: *K.S.A. 72-4467 established the Kansas Technology Innovation and Internship program to provide funds to career technical institutions for start-up support for innovative technical courses or programs in emerging technologies, manufacturing or areas of skill shortages. These funds are appropriated on an annual basis and awarded to institutions through a competitive grant process.*

Eligible Institutions: *Public postsecondary career technical institutions delivering approved technical education programs in Kansas.* 02/22/2018

Purpose of the Grant Awards

FY18 Appropriation \$179,284

Provide internships to enable faculty of the career technical education institutions to work in an industrial setting or to enable industrial employees to work in an educational setting at such career technical education institutions.

Descriptions of Technology Grant proposal:

- **\$3,000 Kansas City Kansas Community College** **Michael L. Florence**
Project: Instructor will utilize grant funds to gain a more in-depth knowledge of current appliance repair. This will allow the instructor to better teach skills required in the field, gain a deeper understanding of disassembly techniques, diagnostic modes and other troubleshooting techniques that are current for the appliance repair field technician. The students will benefit because they will be taught proper ways to diagnose and repair modern machines.
Business/Industry Match: The required business/industry match for this project will be met by a donation of training time. The internship will be completed at, At Your Service Appliance Repair, North Kansas City, MO.

Staff Recommendation:

The TEA Budget and Finance Committee has reviewed the proposal and recommends approval by the Technical Education Authority.

Requests for Degree and Certificate Programs Submitted from Community Colleges and Technical Colleges

Summary

Each month community and technical colleges submit requests for the approval of new certificate and degree programs. The Board office received requests from Cloud County Community College to offer a Technical Certificate B and Associate of Applied Science degree in Solar Energy Technology; and Salina Area Technical College to offer a Technical Certificate A in Commercial Truck Driving. The programs submitted addressed all criteria requested and were subject to the 10-day comment period required by policy. The programs were reviewed by staff and are presented for review and discussion by the Technical Education Program/Curriculum Committee.

2/22/2018

Background

Community and technical colleges submit requests for new certificate and degree programs each month utilizing forms approved by 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, costs and funding, and program approval at the institution level.

Description of Proposed Programs:

Cloud County Community College requests approval for the following program:

- Solar Energy Technology (15.0505) - Technical Certificate B/33 credit hours; and Associate of Applied Science/64 credit hours.

The proposed Solar Energy Technology program prepares individuals to apply basic engineering principles and technical skills in support of engineers and other professionals engaged in developing solar-powered energy systems. Training includes instruction in solar energy principles, energy storage, transfer technologies, testing and inspection procedures, system maintenance procedures, and report preparation.

The North American Board of Certified Energy Practitioners (NABCEP) is an ANSI accredited organization that provides various industry certifications in the field of renewable energy. Upon successful completion of the technical certificate B (33 credit hours), the student is eligible to sit for the Photovoltaic Associate certification. Upon successful completion of the associate degree, the student is eligible to sit for the Photovoltaic Installation Professional certification.

Cloud County Community College (CCCC) currently offers a Wind Energy Technology (WET) program. The proposed program was developed because of the WET Advisory Board Committee's desire to introduce additional pathways for students interested in other forms of renewable energy methods.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook indicates a national growth rate for Solar Photovoltaic Installers of 105% from 2014-2024, with a median annual wage of \$39,240 or about \$18.87 per hour.

The Kansas Department of Labor does not track labor data on occupations titled "Solar Photovoltaic Installers"; however, through the Classification of Instruction Program Code (CIP) to Standard Occupational Code (SOC) crosswalk, similar occupations were identified as 17-3029 Engineering Technicians. The Kansas Department of Labor, Long-term Occupation Projections 2014-2024 indicate a state-wide growth rate of 7.3%, with an annual median wage of \$58,830 per year or about \$28.28 per hour. Of the 322 jobs required by 2024, 22 positions account for occupational growth, while 62 positions are replacement jobs.

Currently, only one institution offers a similar Solar program. Below are the colleges, programs, total number of concentrators, total number pursuing additional education, total number of graduates, total number of graduates exiting and employed, and average wage of graduates exited and employed information from the 2016 K-TIP report.

2016 K-TIP Data						
College	Program Name	Total # Concentrators	Total # Pursuing Additional Education	Total # Graduates	Total # Graduates Exiting & Employed	Average Wage: Graduates Exited & Employed
Colby Community College	Solar Photovoltaic	11	*	*	*	NR
Total						

NR = No values were reported.

* = Small cell suppression used to protect student privacy in accordance with FERPA and HEOA guidelines.

Concentrators = students identified as technical program majors who have completed at least 12 credit hours of technical coursework in the same program area.

Letters of support for this program were received from the following sources:

- Good Energy Solutions, Inc. – willing to serve on the program advisory committee and provide internships for faculty.
- Cromwell Solar – provide internships for students and equipment.
- Enel Green Power North America, Inc. – willing to serve on the program advisory committee.
- An additional letter of general support for the program was provided by King Solar.

CCCC is not seeking collaboration possibilities with Colby Community College due to the differences in delivery methods of the programs and the geographical distances between the programs.

CCCC plans to begin the proposed Solar Energy Technology program in August of 2018. The college estimated the initial cost to deliver the proposed program at approximately \$56,000 (\$45,800 salaries; \$8,000 equipment; \$2,000 tools/supplies; and \$200 technology/software). Existing WET faculty will be utilized in the proposed program; however, an additional full-time faculty member will need to be hired. Current WET Department Chair, Bruce Graham, will assume responsibility for the proposed program. Existing classroom space will be utilized. All costs associated with the program will be paid for by the institutional budget or business and industry donations. CCCC set aside money for the development of the Solar Energy Technology program.

The proposed program was subject to the 10-day comment period from January 19, 2018 to February 1, 2018 during which no formal comments were received.

Salina Area Technical College requests approval for the following program:

- Commercial Truck Driving (49.0205) - Technical Certificate A/16 credit hours

The proposed Commercial Truck Driving program is a one-semester program preparing individuals to apply technical knowledge and skills to drive trucks and buses. Training includes instruction in operating gas and diesel powered vehicles, loading and unloading cargo or passengers, reporting delays or accidents, verifying loads against shipping papers, arranging transportation for personnel, and keeping records of receipts and fares. Upon successful completion of the program, students are eligible to obtain the Class A Commercial Driver’s License.

Salina Area Technical College currently offers a twelve-credit hour Commercial Truck Driving Stand Alone Parent Program (SAPP). Courses within SAPPs are eligible for tiered technical funding; however, the program itself is not eligible for Carl D. Perkins funds or federal financial aid. KBOR approval is not required for programs to be eligible for federal financial aid.

The U.S. Bureau of Labor Statistics' Occupational Outlook Handbook indicates a national growth rate for Heavy and Tractor-trailer Truck Drivers of 5% from 2014-2024, with a median annual wage of \$40,260 or about \$19.36 per hour. The Kansas Department of Labor, Long-term Occupation Projections 2014-2024 indicate a state-wide growth rate of 7.9%, with an annual median wage of \$38,870 per year or about \$18.69 per hour. Of the 23,011 Heavy and Tractor Trailer Truck Driver jobs required by 2024, 1,686 account for new jobs while 3,411 are replacement jobs.

Currently, six institutions offer a Commercial Truck Driving program. Below are the colleges, programs, total number of concentrators, total number pursuing additional education, total number of graduates, total number of graduates exiting and employed, and average wage of graduates exited and employed information from the 2016 K-TIP report.

2016 K-TIP Data						
College	Program Name	Total # Concentrators	Total # Pursuing Additional Education	Total # Graduates	Total # Graduates Exiting & Employed	Average Wage: Graduates Exited & Employed
Cloud County Community College	Commercial Truck Driving Certificate	20	*	17	11	\$30,949
Fort Scott Community College	Transport Management Commercial Truck Driving	95	*	65	48	\$32,045
Northwest Kansas Technical College	Commercial Driver's License	19	9	19	7	\$35,399
Salina Area Technical College	Commercial Truck Driving	14	*	14	14	\$28,466
Seward County Community College	Entry Level Truck Driving	45	*	45	41	\$42,123
Washburn Institute of Technology	Commercial Truck Driving	NR	NR	NR	NR	NR
Total		193	9-25	160	121	

NR = No values were reported.

* = Small cell suppression used to protect student privacy in accordance with FERPA and HEOA guidelines.

Concentrators = students identified as technical program majors who have completed at least 12 credit hours of technical coursework in the same program area.

Letters of support for this program were received from the following sources:

- Great Plains Trucking – serving as a guest speaker
- Midwest Concrete Materials - serving as a guest speaker
- Triplett, Inc - serving as a guest speaker

Salina Area Technical College is not seeking collaboration possibilities with other two-year institutions due to the proposed program being an expansion of an existing program, and the extensive equipment needs and requirements.

Salina Area Technical College plans to begin the proposed Commercial Truck Driving program in the Spring of 2018. Since the proposed program is an expansion of an existing program, the college does not anticipate any additional costs to deliver the proposed program. Salina Area Technical College did include the current Commercial Truck Driving program budget for reference, stating cost to deliver the initial program was \$124,500 (\$75,000 salaries/benefits; \$18,000 equipment, \$1,500 accreditation, and \$30,000 institutional support). No additional faculty will be hired. Existing space on campus will be utilized.

The proposed program was subject to the 10-day comment period from January 19, 2018 to February 1, 2018 during which no formal comments were received.

Staff Recommendation

The new program request submitted by Cloud County Community College for a Technical Certificate B at 33 credit hours and an Associate of Applied Science degree at 64 credit hours in Solar Energy Technology has been reviewed by the TEA Program and Curriculum and is recommended for approval by the Technical Education Authority.

The new program request submitted by Salina Area Technical College for a Technical Certificate A at 16 credit hours in Commercial Truck Driving has been reviewed by the TEA Program and Curriculum and is recommended for approval by the Technical Education Authority.

Program Alignment

Summary

One of the initiatives underway by the Post-Secondary Technical Education Authority (TEA) to enhance technical education in the state is the alignment of specific technical programs. Program Alignment has four primary objectives: allow business and industry to identify exit points within the program; identify nationally recognized third-party credentials; identify common courses; and decrease the variability in program length. 2/22/2018

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 Process: Electrical Technology (46.0302)

The Electrical Technology program was originally aligned in 2014 and established two exit points (certificate B at 44 credit hours and an associate of applied science degree at 68 credit hours), seven common courses, and the designation of the Journeyman examination.

Revisions to the Electrical Technology alignment began in response to two factors: 1) institutions requested the evaluation of exit points; and 2) examination of current Kansas law regarding credentials.

Electrical Technology program administrators and faculty from nine institutions and KBOR staff met on December 12, 2017 to begin the realigning process. During the meeting, considerable discussion occurred regarding the variances of requirements of electricians throughout Kansas. While some institutions are content with the 2014 version of alignment, others struggle to meet both program alignment and local business and industry needs. The committee examined state statute, industry tests/credentials, common courses, and exit points and developed a solution that would accommodate all institutions.

K.S.A. 12-1525 references four levels of examination for electricians (Electrical Contractors, Master Electrical, Journeyman, and Residential Electricians); however, the committee determined that the Journeyman and Residential Electrician examinations were appropriate levels for program alignment. The statute also lists three entities that administer tests (International Code Council, International Association of Plumbing and Mechanics Officials, and Prometric). The committee concluded that Prometric is most commonly used.

The committee recommends Safety (OSHA 10 or 30) and Print Reading be moved from common courses to support courses. To allow flexibility with local demand, the committee recommends the following:

- Certificate B should require National Electrical Code I, AC/DC Circuits I, Residential Wiring I, Safety (OSHA 10 or 30), and Print Reading. Institutions may require additional courses; however, the courses listed above are the minimum. Students are eligible for the Residential Electrician exam, Journeyman Electrician exam, and/or employment as an Electrician Helper (SOC Code 47-3012).

- Certificate C should require National Electrical Code I, National Code II, AC/DC Circuits I, Residential Wiring I, Commercial Wiring I, Safety (OSHA 10 or 30), and Print Reading. Students are eligible for the Journeyman Electrical exam.
- AAS courses and student eligibility are the same of the Certificate C; however, would include general education for the completion of a degree.

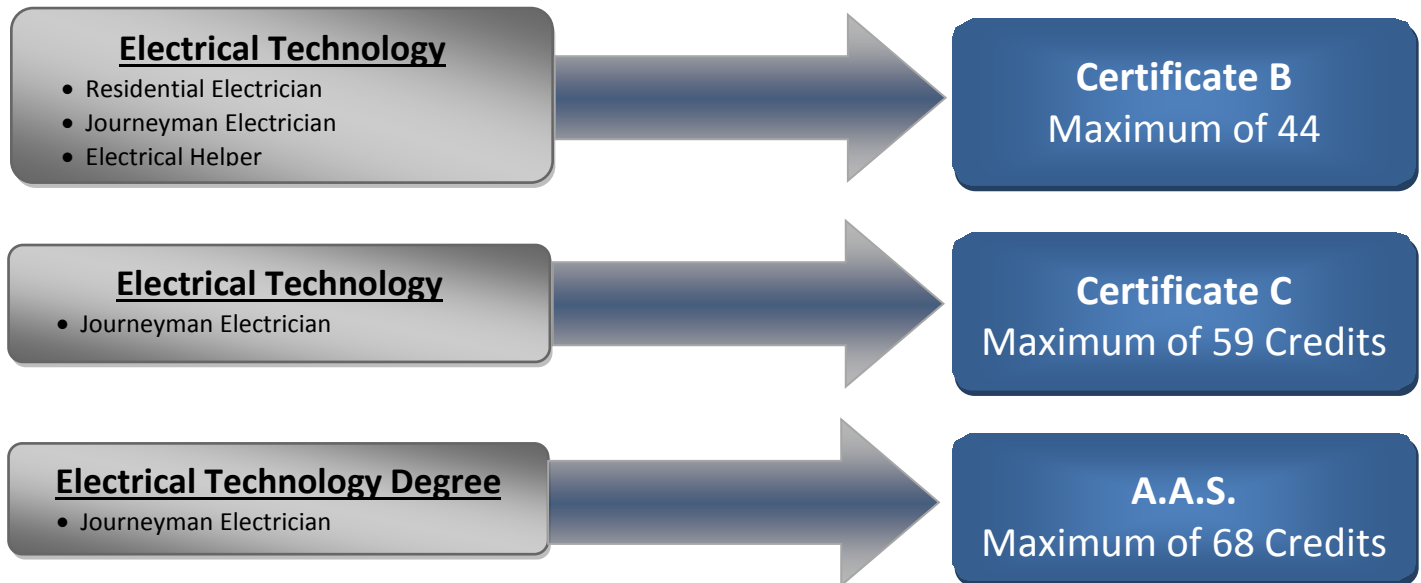
The attached proposed alignment map, reflecting the final recommendations from the faculty committee, was issued for presidential comment from January 19, 2018 to February 1, 2018, during which two comments of support were received from President Burks (North Central Kansas Technical College), and President Vietti (Kansas City Kansas Community College).

Recommendation

The proposed revisions to the Electrical Technology program alignment have been reviewed by the Technical Education Authority's Program and Curriculum Committee and are recommended for approval by Technical Education Authority.

**Electrical Technology Program Alignment – Kansas Board of Regents
CIP: 46.0302**

2018



Required Courses within Program

<u>Common Courses</u>	20 credits:
National Electrical Code I	4 credits
National Electrical Code II	4 credits
AC/DC Circuits I	4 credits
Commercial Wiring I	4 credits
Residential Wiring I	4 credits
<u>Support Course</u>	3-5 credits:
Safety (OSHA 10 or 30)	1-3 credits
Print Reading	2 credits

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

Institutions may add additional competencies based on local demand.

Notes

Specifics pertaining to Electrical Technology programs:

1. Passing the Journey Worker Exam does not qualify a student to be a licensed Journeyman. Electricians are “licensed” to practice following acquisition of passing the licensure exam AND validation of the required on-the-job work experience (typically two years).
2. OSHA 10 or 30 card is required.
3. Competencies identified within the 23-25 credit hours of common courses represent opportunities for articulation with K-12.
4. Additional recommended competencies to be incorporated within the Electrical Technology curriculum: listening skills, oral communication skills, human relations skills, decision-making skills, problem-solving, teamwork, time & resource management, work ethics, & career planning.

Certificate B details:

Courses Required:

Common Course:

National Electrical Code I
AC/DC Circuits I
Residential Wiring I

Support Course:

Safety (OSHA 10 or 30)
Print Reading

Credential/Occupational Options:

Residential Electrician
Journeyman Electrician
Electrician Helper

Certificate C and AAS details:

Courses Required:

Common Course:

National Electrical Code I
National Electrical Code II
AC/DC Circuits I
Residential Wiring I
Commercial Wiring I

Support Course:

Safety (OSHA 10 or 30)
Print Reading

Credential Options:

Journeyman Electrician

OUTCOME METRICS PILOT UPDATE

Summary

Student attainment of industry-recognized credentials, employment of students after exiting postsecondary education, and the wages earned by students after exiting postsecondary education were identified as key technical program performance indicators by Kansas business and industry stakeholders, and approved as metrics for quality assessment of postsecondary CTE programs by the Kansas Technical Education Authority (TEA) and KBOR in the fall of 2012.

AY 2016 institutional data has been finalized, and included here is a full report of the Outcome Metrics Pilot program performance. *2/22/2018*

Pilot Program Parameters:

1. Measure only students completing an approved exit point, and exiting postsecondary education in all three metrics.
2. For reporting purposes, and in accordance with FERPA and HEOA laws, participating programs will be required to have at least **five** students completing an exit point and exiting postsecondary education for each measure reported.
3. Participating programs must meet minimum targets in all 3 metrics for incentive funding.

Targets:

Of the graduates completing an approved exit point and exiting postsecondary education:

- **90%** must earn the industry-recognized program credential documented per program alignment
- **80%** must be employed by the end of the 2nd quarter following the end of the academic year,
- **Earning 95%** of the statewide entry level wage for the occupation corresponding to the field of study as reported in the Kansas DOL Wage Survey.

AY2013 – AY2015 Outcome Metrics Program Incentive Funding Statistics:

Over the first three years of the Outcome Metrics pilot program, 29 institution programs met or exceeded all three targets, and over \$195,000 in Perkins Leadership Incentive funding was awarded for institutions to utilize to improve performance within the three measures.

- AY2013: Eight programs met all three targets, and received \$7,500 / program = \$60,000
- AY2014: Four programs met all three targets and received \$7,500 / program = \$30,000
- Outcome Metrics Performance Enhancement Grant: over \$15,000
- AY2015: 17 programs met all three targets and received \$5,000 / program = \$85,000
 - o Two programs were recognized and received \$2,500 / program = \$5,000

AY 2016 System Level Performance of Pilot Programs

CIP	Program Name	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry Level Wage 2017	Standard Occupation Code (SOC)
46.0201	Carpentry/Carpenter	378	117	56	25	44.64%	48	85.71%	\$27,264	\$27,315	\$28,753	47-2031
46.0302	Electrician	367	138	103	10	9.71%	92	89.32%	\$30,436	\$35,333	\$37,193	47-2111
47.0201	Heating, Air Conditioning, Ventilation and Refrigeration Maintenance Technology/Technician	476	150	128	50	39.06%	114	89.06%	\$32,705	\$32,172	\$33,865	49-9021
51.0602	Dental Hygiene/Hygienist	130	39	34	34	100.00%	30	88.24%	\$46,493	\$45,387	\$47,776	29-2021
51.0801	Medical/Clinical Assistant	306	98	73	39	53.42%	66	90.41%	\$21,042	\$21,948	\$23,103	31-9092
51.0803	Occupational Therapist Assistant	41	18	18	*	*	18	100.00%	\$29,690	\$42,773	\$45,024	31-2011
51.0806	Physical Therapy Technician/Assistant	391	99	95	87	91.58%	92	96.84%	\$41,968	\$35,673	\$37,551	31-2021
51.0908	Respiratory Care Therapy/Therapist	213	56	49	41	83.67%	41	83.67%	\$38,865	\$40,758	\$42,903	29-1126
51.3801	Registered Nursing/Registered Nurse	2,936	830	660	471	71.36%	631	95.61%	\$45,803	\$41,625	\$43,816	29-1141
51.3901	Licensed Practical/Vocational Nurse Training	1,958	891	310	233	75.16%	290	93.55%	\$36,352	\$32,508	\$34,219	29-2061
48.0508	Welding Technology/Welder	1,510	509	367	124	33.79%	313	85.29%	\$27,305	\$28,158	\$29,640	51-4121
47.0603	Auto body/Collision and Repair Technology/Technician	353	110	84	19	22.62%	73	86.90%	\$26,000	\$24,798	\$26,103	49-3021
47.0604	Automobile/Automotive Mechanics Technology/Technician	1,093	256	184	62	33.70%	156	84.78%	\$24,142	\$22,795	\$23,995	49-3023
47.0605	Diesel Mechanics Technology/Technician	92	44	39	13	33.33%	39	100.00%	\$34,728	\$29,527	\$31,081	49-3031
47.0613	Medium/Heavy Vehicle and Truck Technology/Technician	256	61	49	*	*	41	83.67%	\$34,140	\$29,527	\$31,081	49-3031
	Totals	10,500	3,416	2,249	1,208	53.71%	2,044	90.88%				

Note: * = Small cell suppression used to protect student privacy in accordance with FERPA and HEOA guidance.

AY 2016 Institution Program Performance

22 of the Outcome Metrics programs met/exceeded the targets for all three metrics. These include:

Institution	Program	Program	Program	Program
Coffeyville Community College	Welding			
Dodge City Community College	Registered Nursing			
Fort Scott Community College	Registered Nursing			
Garden City Community College	Registered Nursing	Licensed Practical Nurse		
Highland Community College	Registered Nursing			
Hutchinson Community College	Welding	Physical Therapist Assistant		
Johnson County Community College	Dental Hygienist	Registered Nursing		
Kansas City Kansas Community College	Medical Assistant	Physical Therapist Assistant	Respiratory Care Therapist	Licensed Practical Nurse
Labette Community College	Registered Nursing			
Manhattan Area Technical College	Dental Hygienist	Registered Nursing		
North Central Kansas Technical College	Registered Nursing	Licensed Practical Nurse		
Seward County Community College	Respiratory Care Therapist	Licensed Practical Nurse	HVAC	

Next Steps:

- As previously approved by the TEA; the pilot will continue to include the same 14 program areas and include all institutions delivering these programs. All institutions will participate in all programs they offer which are in the pilot program list.
- KBOR staff continues to provide technical assistance as requested to institutions.

Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Barton Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	38	6	*	*	*	*	*	*	\$22,795	\$23,995	49-3023
Barton Community College	Welding Technology/Welder	48.0508	78	26	26	*	*	20	76.92%	\$13,527	\$28,158	\$29,640	51-4121
Barton Community College	Medical/Clinical Assistant	51.0801	22	7	6	5	83.33%	6	100.00%	\$23,999	\$21,948	\$23,103	31-9092
Barton Community College	Registered Nursing/Registered Nurse	51.3801	89	27	23	15	65.22%	23	100.00%	\$49,342	\$41,625	\$43,816	29-1141
Barton Community College	Licensed Practical/Vocational Nurse Training	51.3901	30	24	7	*	*	7	100.00%	\$34,345	\$32,508	\$34,219	29-2061
Butler Community College	Autobody/Collision And Repair Technology/Technician	47.0603	15	5	*	*	*	*	*	*	\$24,798	\$26,103	49-3021
Butler Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	22	*	*	*	*	*	*	*	\$22,795	\$23,995	49-3023
Butler Community College	Welding Technology/Welder	48.0508	24	8	6	*	*	6	100.00%	\$30,251	\$28,158	\$29,640	51-4121
Butler Community College	Registered Nursing/Registered Nurse	51.3801	244	127	86	5	5.81%	81	94.19%	\$41,892	\$41,625	\$43,816	29-1141
Butler Community College	Licensed Practical/Vocational Nurse Training	51.3901	94	94	6	*	*	6	100.00%	\$24,963	\$32,508	\$34,219	29-2061
Cloud County Community College	Registered Nursing/Registered Nurse	51.3801	48	30	29	25	86.21%	29	100.00%	\$41,306	\$41,625	\$43,816	29-1141
Coffeyville Community College	Carpentry/Carpenter	46.0201	81	15	11	7	63.64%	10	90.91%	\$21,250	\$27,315	\$28,753	47-2031
Coffeyville Community College	Electrician	46.0302	16	10	10	*	*	9	90.00%	\$18,805	\$35,333	\$37,193	47-2111
Coffeyville Community College	Autobody/Collision And Repair Technology/Technician	47.0603	34	8	*	*	*	*	*	*	\$24,798	\$26,103	49-3021
Coffeyville Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	76	21	18	7	38.89%	15	83.33%	\$16,774	\$22,795	\$23,995	49-3023
Coffeyville Community College	Welding Technology/Welder	48.0508	73	19	16	16	100.00%	13	81.25%	\$35,884	\$28,158	\$29,640	51-4121
Coffeyville Community College	Medical/Clinical Assistant	51.0801	29	*	*	*	*	*	*	*	\$21,948	\$23,103	31-9092
Coffeyville Community College	Registered Nursing/Registered Nurse	51.3801	30	12	11	9	81.82%	11	100.00%	\$40,903	\$41,625	\$43,816	29-1141
Coffeyville Community College	Licensed Practical/Vocational Nurse Training	51.3901	21	6	*	*	*	*	*	*	\$32,508	\$34,219	29-2061

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 NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Colby Community College	Dental Hygiene/Hygienist	51.0602	24	*	*	*	*	*	*	NR	\$45,387	\$47,776	29-2021
Colby Community College	Physical Therapy Technician/Assistant	51.0806	56	23	22	19	86.36%	22	100.00%	\$42,217	\$35,673	\$37,551	31-2021
Colby Community College	Registered Nursing/Registered Nurse	51.3801	85	38	36	*	*	36	100.00%	\$42,263	\$41,625	\$43,816	29-1141
Colby Community College	Licensed Practical/Vocational Nurse Training	51.3901	72	39	11	*	*	9	81.82%	\$31,339	\$32,508	\$34,219	29-2061
Cowley Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	59	10	7	*	*	5	71.43%	\$25,663	\$22,795	\$23,995	49-3023
Cowley Community College	Welding Technology/Welder	48.0508	83	24	17	*	*	15	88.24%	\$34,078	\$28,158	\$29,640	51-4121
Dodge City Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	22	6	5	*	*	5	100.00%	\$20,141	\$22,795	\$23,995	49-3023
Dodge City Community College	Diesel Mechanics Technology/Technician	47.0605	*	*	*	*	*	*	*	NR	\$29,527	\$31,081	49-3031
Dodge City Community College	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	17	8	6	*	*	6	100.00%	\$31,698	\$29,527	\$31,081	49-3031
Dodge City Community College	Welding Technology/Welder	48.0508	40	10	*	*	*	*	*	*	\$28,158	\$29,640	51-4121
Dodge City Community College	Registered Nursing/Registered Nurse	51.3801	75	18	12	12	100.00%	12	100.00%	\$49,927	\$41,625	\$43,816	29-1141
Dodge City Community College	Licensed Practical/Vocational Nurse Training	51.3901	6	6	*	*	*	*	*	*	\$32,508	\$34,219	29-2061
Flint Hills Technical College	Carpentry/Carpenter	46.0201	12	5	*	*	*	*	*	*	\$27,315	\$28,753	47-2031
Flint Hills Technical College	Automobile/Automotive Mechanics Technology/Technician	47.0604	53	19	8	*	*	8	100.00%	\$20,922	\$22,795	\$23,995	49-3023
Flint Hills Technical College	Welding Technology/Welder	48.0508	31	14	8	5	62.50%	7	87.50%	\$30,794	\$28,158	\$29,640	51-4121
Flint Hills Technical College	Dental Hygiene/Hygienist	51.0602	16	*	*	*	*	*	*	NR	\$45,387	\$47,776	29-2021
Flint Hills Technical College	Licensed Practical/Vocational Nurse Training	51.3901	121	49	34	29	85.29%	31	91.18%	\$33,436	\$32,508	\$34,219	29-2061
Fort Scott Community College	Carpentry/Carpenter	46.0201	36	*	*	*	*	*	*	*	\$27,315	\$28,753	47-2031
Fort Scott Community College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	23	13	11	7	63.64%	10	90.91%	\$25,578	\$32,172	\$33,865	49-9021
Fort Scott Community College	Welding Technology/Welder	48.0508	79	23	16	*	*	13	81.25%	\$14,962	\$28,158	\$29,640	51-4121
Fort Scott Community College	Registered Nursing/Registered Nurse	51.3801	100	25	24	22	91.67%	22	91.67%	\$48,710	\$41,625	\$43,816	29-1141

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Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Garden City Community College	Welding Technology/Welder	48.0508	55	13	13	*	*	13	100.00%	\$29,608	\$28,158	\$29,640	51-4121
Garden City Community College	Registered Nursing/Registered Nurse	51.3801	32	22	19	19	100.00%	19	100.00%	\$52,203	\$41,625	\$43,816	29-1141
Garden City Community College	Licensed Practical/Vocational Nurse Training	51.3901	45	43	19	19	100.00%	19	100.00%	\$48,848	\$32,508	\$34,219	29-2061
Highland Community College	Carpentry/Carpenter	46.0201	15	*	*	*	*	*	*	NR	\$27,315	\$28,753	47-2031
Highland Community College	Electrician	46.0302	55	14	13	*	*	11	84.62%	\$33,746	\$35,333	\$37,193	47-2111
Highland Community College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	6	5	5	*	*	5	100.00%	\$31,316	\$32,172	\$33,865	49-9021
Highland Community College	Autobody/Collision And Repair Technology/Technician	47.0603	33	8	8	*	*	8	100.00%	\$23,755	\$24,798	\$26,103	49-3021
Highland Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	30	*	*	*	*	*	*	*	\$22,795	\$23,995	49-3023
Highland Community College	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	60	10	10	*	*	10	100.00%	\$37,272	\$29,527	\$31,081	49-3031
Highland Community College	Welding Technology/Welder	48.0508	76	16	15	*	*	14	93.33%	\$16,771	\$28,158	\$29,640	51-4121
Highland Community College	Medical/Clinical Assistant	51.0801	43	14	9	*	*	9	100.00%	\$15,739	\$21,948	\$23,103	31-9092
Highland Community College	Registered Nursing/Registered Nurse	51.3801	66	20	17	17	100.00%	16	94.12%	\$53,687	\$41,625	\$43,816	29-1141
Highland Community College	Licensed Practical/Vocational Nurse Training	51.3901	69	37	12	12	100.00%	12	100.00%	\$26,640	\$32,508	\$34,219	29-2061
Hutchinson Community College	Carpentry/Carpenter	46.0201	42	10	6	*	*	6	100.00%	\$28,311	\$27,315	\$28,753	47-2031
Hutchinson Community College	Electrician	46.0302	16	*	*	*	*	*	*	NR	\$35,333	\$37,193	47-2111
Hutchinson Community College	Autobody/Collision And Repair Technology/Technician	47.0603	24	7	7	*	*	5	71.43%	\$24,829	\$24,798	\$26,103	49-3021
Hutchinson Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	66	17	13	*	*	9	69.23%	\$16,845	\$22,795	\$23,995	49-3023
Hutchinson Community College	Welding Technology/Welder	48.0508	128	29	21	19	90.48%	19	90.48%	\$28,867	\$28,158	\$29,640	51-4121
Hutchinson Community College	Physical Therapy Technician/Assistant	51.0806	57	22	22	21	95.45%	20	90.91%	\$48,113	\$35,673	\$37,551	31-2021
Hutchinson Community College	Respiratory Care Therapy/Therapist	51.0908	34	10	9	6	66.67%	6	66.67%	\$36,576	\$40,758	\$42,903	29-1126
Hutchinson Community College	Registered Nursing/Registered Nurse	51.3801	181	68	57	47	82.46%	52	91.23%	\$45,240	\$41,625	\$43,816	29-1141
Hutchinson Community College	Licensed Practical/Vocational Nurse Training	51.3901	183	49	29	23	79.31%	29	100.00%	\$31,377	\$32,508	\$34,219	29-2061

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Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Johnson County Community College	Electrician	46.0302	82	30	21	*	*	15	71.43%	\$33,542	\$35,333	\$37,193	47-2111
Johnson County Community College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	127	23	19	7	36.84%	15	78.95%	\$41,424	\$32,172	\$33,865	49-9021
Johnson County Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	173	11	6	*	*	5	83.33%	\$39,831	\$22,795	\$23,995	49-3023
Johnson County Community College	Welding Technology/Welder	48.0508	103	18	13	*	*	9	69.23%	\$22,563	\$28,158	\$29,640	51-4121
Johnson County Community College	Dental Hygiene/Hygienist	51.0602	55	25	21	21	100.00%	17	80.95%	\$47,031	\$45,387	\$47,776	29-2021
Johnson County Community College	Respiratory Care Therapy/Therapist	51.0908	15	14	11	8	72.73%	8	72.73%	\$38,799	\$40,758	\$42,903	29-1126
Johnson County Community College	Registered Nursing/Registered Nurse	51.3801	137	64	35	34	97.14%	32	91.43%	\$44,148	\$41,625	\$43,816	29-1141
Johnson County Community College	Licensed Practical/Vocational Nurse Training	51.3901	76	39	14	11	78.57%	12	85.71%	\$29,864	\$32,508	\$34,219	29-2061
Kansas City Kansas Community College	Carpentry/Carpenter	46.0201	35	13	10	*	*	5	50.00%	\$30,169	\$27,315	\$28,753	47-2031
Kansas City Kansas Community College	Electrician	46.0302	59	13	11	*	*	11	100.00%	\$32,878	\$35,333	\$37,193	47-2111
Kansas City Kansas Community College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	87	20	18	*	*	17	94.44%	\$38,844	\$32,172	\$33,865	49-9021
Kansas City Kansas Community College	Autobody/Collision And Repair Technology/Technician	47.0603	64	21	12	*	*	9	75.00%	\$27,485	\$24,798	\$26,103	49-3021
Kansas City Kansas Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	115	35	25	*	*	16	64.00%	\$23,132	\$22,795	\$23,995	49-3023
Kansas City Kansas Community College	Welding Technology/Welder	48.0508	81	30	17	*	*	13	76.47%	\$27,757	\$28,158	\$29,640	51-4121
Kansas City Kansas Community College	Medical/Clinical Assistant	51.0801	70	14	10	9	90.00%	8	80.00%	\$24,103	\$21,948	\$23,103	31-9092
Kansas City Kansas Community College	Physical Therapy Technician/Assistant	51.0806	214	32	32	32	100.00%	31	96.88%	\$38,294	\$35,673	\$37,551	31-2021
Kansas City Kansas Community College	Respiratory Care Therapy/Therapist	51.0908	89	18	17	16	94.12%	16	94.12%	\$41,545	\$40,758	\$42,903	29-1126

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Academic Year 2016 Outcome Metrics by Institution

Kansas City Kansas Community College	Registered Nursing/Registered Nurse	51.3801	1,262	105	91	72	79.12%	79	86.81%	\$41,894	\$41,625	\$43,816	29-1141
Kansas City Kansas Community College	Licensed Practical/Vocational Nurse Training	51.3901	233	57	32	30	93.75%	28	87.50%	\$44,657	\$32,508	\$34,219	29-2061

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 NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Labette Community College	Physical Therapy Technician/Assistant	51.0806	64	22	19	15	78.95%	19	100.00%	\$40,891	\$35,673	\$37,551	31-2021
Labette Community College	Respiratory Care Therapy/Therapist	51.0908	31	*	*	*	*	*	*	*	\$40,758	\$42,903	29-1126
Labette Community College	Registered Nursing/Registered Nurse	51.3801	196	17	14	13	92.86%	14	100.00%	\$46,229	\$41,625	\$43,816	29-1141
Labette Community College	Licensed Practical/Vocational Nurse Training	51.3901	53	36	9	8	88.89%	8	88.89%	\$48,412	\$32,508	\$34,219	29-2061
Manhattan Area Technical College	Carpentry/Carpenter	46.0201	25	11	7	6	85.71%	6	85.71%	\$30,325	\$27,315	\$28,753	47-2031
Manhattan Area Technical College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	23	17	14	*	*	12	85.71%	\$29,958	\$32,172	\$33,865	49-9021
Manhattan Area Technical College	Autobody/Collision And Repair Technology/Technician	47.0603	10	7	6	*	*	6	100.00%	\$25,006	\$24,798	\$26,103	49-3021
Manhattan Area Technical College	Automobile/Automotive Mechanics Technology/Technician	47.0604	35	7	6	*	*	6	100.00%	\$37,861	\$22,795	\$23,995	49-3023
Manhattan Area Technical College	Welding Technology/Welder	48.0508	54	22	16	13	81.25%	15	93.75%	\$32,465	\$28,158	\$29,640	51-4121
Manhattan Area Technical College	Dental Hygiene/Hygienist	51.0602	35	14	13	13	100.00%	13	100.00%	\$45,662	\$45,387	\$47,776	29-2021
Manhattan Area Technical College	Registered Nursing/Registered Nurse	51.3801	85	45	37	36	97.30%	37	100.00%	\$47,022	\$41,625	\$43,816	29-1141
Manhattan Area Technical College	Licensed Practical/Vocational Nurse Training	51.3901	68	38	11	11	100.00%	11	100.00%	\$28,989	\$32,508	\$34,219	29-2061
Neosho County Community College	Carpentry/Carpenter	46.0201	55	10	*	*	*	*	*	*	\$27,315	\$28,753	47-2031
Neosho County Community College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	34	5	*	*	*	*	*	*	\$32,172	\$33,865	49-9021
Neosho County Community College	Welding Technology/Welder	48.0508	106	56	18	*	*	16	88.89%	\$19,585	\$28,158	\$29,640	51-4121
Neosho County Community College	Medical/Clinical Assistant	51.0801	30	8	7	6	85.71%	7	100.00%	\$20,259	\$21,948	\$23,103	31-9092
Neosho County Community College	Occupational Therapist Assistant	51.0803	41	18	18	*	*	18	100.00%	\$29,690	\$42,773	\$45,024	31-2011
Neosho County Community College	Registered Nursing/Registered Nurse	51.3801	194	118	107	92	85.98%	107	100.00%	\$50,277	\$41,625	\$43,816	29-1141

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 NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Neosho County Community College	Licensed Practical/Vocational Nurse Training	51.3901	155	78	*	*	*	*	*	NR	\$32,508	\$34,219	29-2061
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* = Small Cell protection due to FERPA and HEOA guidelines.
 NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
North Central Kansas Technical College	Carpentry/Carpenter	46.0201	26	17	9	7	77.78%	9	100.00%	\$29,709	\$27,315	\$28,753	47-2031
North Central Kansas Technical College	Electrician	46.0302	42	16	16	8	50.00%	15	93.75%	\$33,451	\$35,333	\$37,193	47-2111
North Central Kansas Technical College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	26	23	20	6	30.00%	20	100.00%	\$29,763	\$32,172	\$33,865	49-9021
North Central Kansas Technical College	Autobody/Collision And Repair Technology/Technician	47.0603	12	*	*	*	*	*	*	*	\$24,798	\$26,103	49-3021
North Central Kansas Technical College	Automobile/Automotive Mechanics Technology/Technician	47.0604	47	14	14	12	85.71%	14	100.00%	\$29,443	\$22,795	\$23,995	49-3023
North Central Kansas Technical College	Diesel Mechanics Technology/Technician	47.0605	32	10	10	*	*	10	100.00%	\$31,149	\$29,527	\$31,081	49-3031
North Central Kansas Technical College	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	*	*	*	*	*	*	*	NR	\$29,527	\$31,081	49-3031
North Central Kansas Technical College	Welding Technology/Welder	48.0508	40	22	12	8	66.67%	11	91.67%	\$37,708	\$28,158	\$29,640	51-4121
North Central Kansas Technical College	Registered Nursing/Registered Nurse	51.3801	32	24	21	20	95.24%	21	100.00%	\$50,224	\$41,625	\$43,816	29-1141
North Central Kansas Technical College	Licensed Practical/Vocational Nurse Training	51.3901	81	60	13	13	100.00%	13	100.00%	\$37,866	\$32,508	\$34,219	29-2061
Northwest Kansas Technical College	Carpentry/Carpenter	46.0201	16	10	*	*	*	*	*	*	\$27,315	\$28,753	47-2031
Northwest Kansas Technical College	Electrician	46.0302	17	11	*	*	*	*	*	*	\$35,333	\$37,193	47-2111
Northwest Kansas Technical College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	11	*	*	*	*	*	*	*	\$32,172	\$33,865	49-9021
Northwest Kansas Technical College	Autobody/Collision And Repair Technology/Technician	47.0603	20	7	7	*	*	5	71.43%	\$20,800	\$24,798	\$26,103	49-3021
Northwest Kansas Technical College	Automobile/Automotive Mechanics Technology/Technician	47.0604	22	19	12	7	58.33%	12	100.00%	\$26,868	\$22,795	\$23,995	49-3023
Northwest Kansas Technical College	Diesel Mechanics Technology/Technician	47.0605	*	*	*	*	*	*	*	*	\$29,527	\$31,081	49-3031
Northwest Kansas Technical College	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	46	11	9	*	*	7	77.78%	\$42,877	\$29,527	\$31,081	49-3031

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 NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Northwest Kansas Technical College	Welding Technology/Welder	48.0508	35	15	15	*	*	12	80.00%	\$31,626	\$28,158	\$29,640	51-4121
Northwest Kansas Technical College	Medical/Clinical Assistant	51.0801	21	11	5	*	*	*	*	*	\$21,948	\$23,103	31-9092
Northwest Kansas Technical College	Respiratory Care Therapy/Therapist	51.0908	15	*	*	*	*	*	*	*	\$40,758	\$42,903	29-1126

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry-Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Pratt Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	17	*	*	*	*	*	*	*	\$22,795	\$23,995	49-3023
Pratt Community College	Registered Nursing/Registered Nurse	51.3801	47	41	24	14	58.33%	23	95.83%	\$45,192	\$41,625	\$43,816	29-1141
Pratt Community College	Licensed Practical/Vocational Nurse Training	51.3901	13	12	*	*	*	*	*	*	\$32,508	\$34,219	29-2061
Salina Area Technical College	Carpentry/Carpenter	46.0201	13	5	*	*	*	*	*	*	\$27,315	\$28,753	47-2031
Salina Area Technical College	Electrician	46.0302	21	7	5	*	*	5	100.00%	\$25,621	\$35,333	\$37,193	47-2111
Salina Area Technical College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	15	6	6	*	*	6	100.00%	\$36,287	\$32,172	\$33,865	49-9021
Salina Area Technical College	Autobody/Collision And Repair Technology/Technician	47.0603	21	15	10	8	80.00%	10	100.00%	\$18,922	\$24,798	\$26,103	49-3021
Salina Area Technical College	Automobile/Automotive Mechanics Technology/Technician	47.0604	44	12	12	10	83.33%	12	100.00%	\$17,676	\$22,795	\$23,995	49-3023
Salina Area Technical College	Diesel Mechanics Technology/Technician	47.0605	22	19	19	13	68.42%	19	100.00%	\$39,142	\$29,527	\$31,081	49-3031
Salina Area Technical College	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	17	*	*	*	*	*	*	NR	\$29,527	\$31,081	49-3031
Salina Area Technical College	Welding Technology/Welder	48.0508	91	39	31	24	77.42%	31	100.00%	\$27,521	\$28,158	\$29,640	51-4121
Salina Area Technical College	Medical/Clinical Assistant	51.0801	11	7	6	6	100.00%	6	100.00%	\$19,791	\$21,948	\$23,103	31-9092
Seward County Community College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	26	16	15	15	100.00%	13	86.67%	\$32,539	\$32,172	\$33,865	49-9021
Seward County Community College	Autobody/Collision And Repair Technology/Technician	47.0603	52	6	5	*	*	5	100.00%	\$31,044	\$24,798	\$26,103	49-3021
Seward County Community College	Automobile/Automotive Mechanics Technology/Technician	47.0604	70	*	*	*	*	*	*	*	\$22,795	\$23,995	49-3023
Seward County Community College	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	45	7	*	*	*	*	*	*	\$29,527	\$31,081	49-3031

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NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Seward County Community College	Welding Technology/Welder	48.0508	42	17	17	9	52.94%	14	82.35%	\$31,286	\$28,158	\$29,640	51-4121
Seward County Community College	Medical/Clinical Assistant	51.0801	51	20	18	*	*	14	77.78%	\$24,609	\$21,948	\$23,103	31-9092
Seward County Community College	Respiratory Care Therapy/Therapist	51.0908	29	7	7	6	85.71%	6	85.71%	\$35,939	\$40,758	\$42,903	29-1126
Seward County Community College	Registered Nursing/Registered Nurse	51.3801	33	29	17	17	100.00%	17	100.00%	\$46,460	\$41,625	\$43,816	29-1141
Seward County Community College	Licensed Practical/Vocational Nurse Training	51.3901	169	23	10	10	100.00%	10	100.00%	\$42,276	\$32,508	\$34,219	29-2061

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 NR = Not Reported.

Academic Year 2016 Outcome Metrics by Institution

Institution	Program Name	CIP Code	Total # Declared Majors	Total # Graduates	Total # Graduates Exited	Total # Graduates Exited with Industry-Recognized Certifications (IRC) Required in Program Alignment	Percentage Graduates Exited with Industry Recognized Certifications Required in Program Alignment (Goal: Meet or Exceed 90%)	Total # Graduates Exited & Employed	Percentage Graduates Exited & Employed (Goal: Meet or Exceed 80%)	Average Wage: Graduates Exited & Employed (Goal: Meet or Exceed 95% of State Entry Level Wage)	95% of State Entry Level Wage 2017	Entire State Average Entry level Wage 2017	Standard Occupation Code (SOC)
Washburn University Institute of Technology	Electrician	46.0302	59	37	25	*	*	24	96.00%	\$29,461	\$35,333	\$37,193	47-2111
Washburn University Institute of Technology	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	35	12	7	6	85.71%	6	85.71%	\$29,620	\$32,172	\$33,865	49-9021
Washburn University Institute of Technology	Autobody/Collision And Repair Technology/Technician	47.0603	37	15	12	*	*	11	91.67%	\$28,974	\$24,798	\$26,103	49-3021
Washburn University Institute of Technology	Automobile/Automotive Mechanics Technology/Technician	47.0604	145	53	34	*	*	30	88.24%	\$24,489	\$22,795	\$23,995	49-3023
Washburn University Institute of Technology	Diesel Mechanics Technology/Technician	47.0605	36	14	10	*	*	10	100.00%	\$31,686	\$29,527	\$31,081	49-3031
Washburn University Institute of Technology	Medium/Heavy Vehicle And Truck Technology/Technician	47.0613	71	25	21	*	*	15	71.43%	\$29,257	\$29,527	\$31,081	49-3031
Washburn University Institute of Technology	Welding Technology/Welder	48.0508	163	83	66	11	16.67%	49	74.24%	\$26,116	\$28,158	\$29,640	51-4121
Washburn University Institute of Technology	Licensed Practical/Vocational Nurse Training	51.3901	224	76	46	24	52.17%	44	95.65%	\$36,885	\$32,508	\$34,219	29-2061
Wichita Area Technical College	Carpentry/Carpenter	46.0201	22	18	*	*	*	*	*	*	\$27,315	\$28,753	47-2031
Wichita Area Technical College	Heating, Air Conditioning, Ventilation And Refrigeration Maintenance Technology/Technician	47.0201	63	6	6	*	*	6	100.00%	\$29,523	\$32,172	\$33,865	49-9021
Wichita Area Technical College	Autobody/Collision And Repair Technology/Technician	47.0603	31	7	7	*	*	7	100.00%	\$34,027	\$24,798	\$26,103	49-3021
Wichita Area Technical College	Automobile/Automotive Mechanics Technology/Technician	47.0604	59	13	9	*	*	8	88.89%	\$27,230	\$22,795	\$23,995	49-3023
Wichita Area Technical College	Welding Technology/Welder	48.0508	128	25	21	13	61.90%	20	95.24%	\$24,340	\$28,158	\$29,640	51-4121
Wichita Area Technical College	Medical/Clinical Assistant	51.0801	29	14	9	*	*	9	100.00%	\$15,817	\$21,948	\$23,103	31-9092
Wichita Area Technical College	Licensed Practical/Vocational Nurse Training	51.3901	245	125	46	37	80.43%	40	86.96%	\$35,708	\$32,508	\$34,219	29-2061

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NR = Not Reported.

Jobs Innovative Industry Skills Training Grant

Summary

The Kansas Department of Commerce (Commerce) awarded the Jobs & Innovative Industry Skills Training (JIIST) funds to two-year sector colleges as a cost-reimbursement grant through a single round of competitive process. The opportunity is afforded through the Community and Technical College Competitive Grant bill passed by the legislature in Senate Substitute for HOUSE BILL No. 2002, Section 136(e).

The purpose of JIIST is to:

- 1) provide innovative programs with private companies in Kansas needing specific job skills;*
- 2) provide for other industry training needs that can't be addressed with current funding streams.*

2/22/2018

FY18 Appropriation: \$500,000

FY17 Remaining Appropriation: \$107,444

FY18 Awarded: \$580,204

Total Remaining: \$27,240

Criteria for JIIST Awards:

- a. be a training solution for a strategic industry/employer or industry sector (rural development and agriculture; energy and natural resources; manufacturing – aerospace and general professional; scientific and technical services; biosciences)
- b. contain strong evidence the industry/employer defined the training competencies/ credentials and will provide jobs and/or job interviews to participants successfully completing the training
- c. provide a focus on high growth, high wage, and highly skilled occupations with higher than average job vacancy rates or projected growth rates
- d. include existing Kansas workforce educational initiatives and a sustainability plan for continued training beyond grant funds

The following is a summary of the award amounts:

- **\$150,457 Fort Scott Community College**
Project: Expand the Welding Certificate and Construction Trades Associate of Applied Science (AAS) Degree programs to their Miami County, Paola campus – the northern half of the College's service area. Students successfully completing one of these programs will have the opportunity to test for a variety of industry recognized certifications from the Occupational Safety & Health Administration (OSHA), the American Welding Society (AWS) and the National Center for Construction Education & Research (NCCER). Fort Scott has letters of support from Doherty Steel Inc., Legacy Contractors and the Paola Adult Education Center.
- **\$18,000 Johnson County Community College**
Project: Scale a previously successful Biological Lab Technician training program to expand to multiple employers. Training will be further customized through a six-week, on-the-job training experience immediately following successful completion of the classroom training. JCCC has letters of support from Millipore Sigma, Grafton Staffing and the Workforce Partnership.
- **\$75,315 Washburn University Institute of Technology**
Project: Advance toward the long-term plan of certifying the Diesel Technology program with the National Automotive Technicians Education Foundation (NATEF), and certifying the Heavy Diesel Construction Program with the Association of Equipment Distributors (AED.) They will purchase several pieces of equipment to include a truck lift system, a starter cutaway, a fuel injection pump

cutaway, a fuel injection rotary pump cutaway, a hot water pressure washer with wand, and a used oil containment/storage system. Washburn has letters of support from Cornejo & Sons, and Victor L Phillips Construction Equipment.

- **\$184,900 Labette Community College**

Project: Build an Institute of Technology at a facility donated by the City of Parsons to serve manufacturing in the local area. The institute will train Welders, Industrial Painters, Industrial Maintenance Workers, and Machinists. LCC will begin training out of the building no later than Spring Semester 2019. LCC has letters of support from The City of Parsons, Alexander Manufacturing Company Inc., Tank Connection, A&R Fab Coatings, Gemini Coatings, Watco Companies, Grandview Products, and Niece Products of Kansas.

- **\$59,932 Manhattan Area Technical College**

Project: Develop a building automation systems lab to meet the need for support level technicians in the Animal Health Corridor. The lab will benefit several programs of study: Biotechnology, HVAC, Information Networking Technology, Drafting and Building Trades. MATC has received grants from AT&T and The Department of Homeland Security.

- **\$91,600 Northwest Kansas Technical College**

Project: Implement a Subsurface Drip Irrigation (SDI) System on the Northwest Tech school farm to support future water education efforts. The SDI will be part of the Precision Agriculture program which prepares students for careers that bridge the gaps between agronomy, agriculture, machinery management, data sciences and remote sensing. NWKTC has received grants and donations from Dane G. Hansen, Kansas Farm Bureau, NWK Groundwater Conservation Foundation, BankWest, and the Sherman County Commissioner.