

New Program Request Form

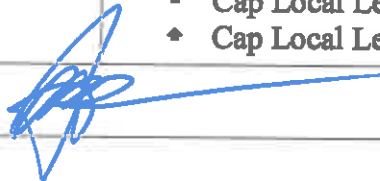
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General Information

Institution submitting proposal	Wichita State University Campus of Applied Sciences and Technology
Name, title, phone, and email of person submitting the application <i>(contact person for the approval process)</i>	Dr. Scott Lucas Vice President, Career & Technical Education 3.16.677.9535 slucas@wsutech.edu
Identify the person responsible for oversight of the proposed program	Charles Kauffman
Title of proposed program	Alternative Fuel Vehicle Maintenance & Advanced Electronics
Proposed suggested Classification of Instructional Program (CIP) Code	47.0614
CIP code description	Alternative Fuel Vehicle Technology/Technician: A program that prepares individuals to apply technical knowledge and skills to the maintenance of alternative fuel vehicles and the conversion of standard vehicles to AFV status. Includes instruction in electrical vehicles, liquefied petroleum gas (LPG) vehicles, compressed natural gas (CNG) vehicles, hybrid fuel technology, electrical and electronic systems, engine performance, diagnosis and repair, and conversion/installation.
Standard Occupation Code (SOC) associated to the proposed program	49-3023.02
SOC description	Automotive Specialty Technicians: Repair only one system or component on a vehicle
Number of credits for the degree <u>and</u> all certificates requested	AAS – 61Credits Technical Certificate – 46 Credits
Proposed Date of Initiation	8/1/2019
Specialty program accrediting agency	National Automotive Technicians Education Foundation (NATEF)
Industry certification	Auto Service Excellence (ASE): graduates of technical certificate and AAS are eligible to earn the following certifications after 1 year of work experience

	<ul style="list-style-type: none">◆ Hybrid Systems◆ CNG Alternative Fuels <p>Auto Service Excellence (ASE) : graduates of the technical certificate and AAS are eligible to take eight student exams</p> <ul style="list-style-type: none">◆ Automatic Transmission/Transaxle◆ Brakes◆ Electrical/Electronic Systems◆ Engine Performance◆ Engine Repair◆ Heating and Air Conditioning◆ Manual Drive Train and Axles◆ Suspension and Steering <p>National Coalition of Certification Centers (NC3): graduates of the technical certificate and AAS are eligible to earn seven certifications</p> <ul style="list-style-type: none">◆ Diagnostics◆ Advanced Diagnostics◆ Torque◆ Multimeter◆ Wheel Service◆ Pro Cut◆ Battery Charging & Starting <p>Fiat/Chrysler Industry Certifications: Technical Certificate and AAS</p> <ul style="list-style-type: none">◆ Cap Local Level 0◆ Cap Local Level 1
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Signature of College Official _____



Date _____

2/21/19

Signature of KBOR Official _____

Date _____

Narrative

Completely address each one of the following items for new program requests. Provide any pertinent supporting documents in the form of appendices, (i.e., minutes of meetings, industry support letters, CA1-1a form).

***Institutions requesting subordinate credentials need only submit the items in blue. For example, an institution with an approved AAS degree has determined a need for a Certificate C in the same CIP code using the same courses used in the AAS degree program.*

Program Description

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

The Alternative Fuel Maintenance & Advanced Electronics program will prepare students to apply technical knowledge and skills to the maintenance of alternative fuel vehicles. Instruction will include, electrical vehicles, liquefied petroleum gas (LPG) vehicles, compressed natural gas (CNG) vehicles, hybrid fuel technology, electrical and electronic systems, engine performance, diagnosis and repair, and conversion/installation.

1. Utilize equipment in accordance with all regulations and manufacturer requirements
2. Demonstrate knowledge and apply practice of Government regulations and Industry safety
3. Demonstrate proficiency in the use of industry approved diagnostic equipment to analyze and diagnose alternative fuel vehicle systems
4. Demonstrate the ability to service and repair integrated electronic systems and components
5. Diagnose and repair brake system components
6. Diagnose and repair general drive train concerns
7. Perform general transmission and transaxle diagnosis
8. Service and repair heating and air conditioning systems associated with alternative fuel vehicles in accordance with federal, state and local guidelines
9. Interpret and diagnose battery concerns in alternative fuel vehicles

List and describe the admission requirements and the graduation requirements for the proposed program:

Admission Requirements:

The requirements for admission to the Alternative Fuel Maintenance & Advanced Electronics program are:

- ◆ Attainment of 16 or more years of age
- ◆ Documentation of high school graduation or satisfaction of high school equivalency certificate requirements, or students currently enrolled in high school or GED program and have attained junior status.
- ◆ Completion of application and related procedures

Transfer Students

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

Program Requirements

- ◆ 46 semester credits for a technical certificate and 61 semester credits for the associate applied sciences degree with an overall GPA of 2.0 or higher.
- ◆ A passing grade in all courses (grade of C) within the student's declared program of study.
- ◆ Completion of all skill competencies with a minimum grade of 80%
- ◆ At least 25 percent of credits must be earned at WSU Tech.
- ◆ Recommendation for graduation by the registrar.

Graduation Requirements

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

Demand for the Program

Using the Kansas Department of Labor's Long Term Occupational Outlook, (<https://klic.dol.ks.gov>) identify employment trends and projections: occupational growth, occupational replacement rates, estimated annual median wages, and typical education level needed for entry.

The Office of Institutional Research has analyzed the labor market to determine potential industry needs regarding a proposed Alternative Fuel Vehicle Maintenance & Advanced Electronics program.

A crosswalk provided by the National Center for Education Statistics associates the Alternative Fuel Vehicle Maintenance & Advanced Electronics program (CIP 47.0614) with Automotive Specialist Technicians (SOC 49-3023.02). Onet online lists this occupation as a "Green" indicating the position will change and require enhanced skills. According to Onnet online, the occupational requirements will evolve to focus on the skills and knowledge directly related to alternative fuel vehicles including electricity, propane, natural gas, and biofuels. Graduates of the Alternative Fuel Vehicle Maintenance & Advanced Electronics program will be prepared to perform these tasks essential to the green economy

ONET Online - Automotive Specialty Technicians Green Tasks:

- Change spark plugs, fuel filters, air filters, and batteries in hybrid electric vehicles.
- Conduct visual inspections of compressed natural gas fuel systems to identify cracks, gouges, abrasions, discoloration, broken fibers, loose brackets, damaged gaskets, or other problems.
- Convert vehicle fuel systems from gasoline to butane gas, ethanol, methane, or other alternative or biofuel systems.
- Diagnose and repair regenerative braking systems or hydraulic systems in hybrid vehicles.

- Diagnose and replace or repair engine management systems or related sensors for flexible fuel vehicles (FFVs) with ignition timing, fuel rate, alcohol concentration, or air-to-fuel ratio malfunctions.
- Inspect propane or natural gas high-pressure tanks, piping, or pressure regulators.
- Replace hydraulically assisted systems with electric-powered systems, such as power steering pumps or air conditioning compressors, to improve fuel economy.
- Retrofit vehicle fuel systems with aftermarket products, such as vapor transfer devices, evaporation control devices, swirlers, lean burn devices, or friction reduction devices, to enhance combustion and fuel efficiency.
- Service biodiesel fuel tanks for algae or sludge accumulation by cleaning, changing filters, or adding algaecides.
- Service internal combustion engine systems for hybrid electric vehicles.
- Service or repair butane gas, ethanol, methane, or other alternative or biofuel systems.
- Tune automobile engines to ensure proper and efficient functioning.

At the current time the Kansas Department of Labor Long – Term Occupational Outlook does not provide data for the SOC Code of 49-3023.02. However, data for the more general SOC CODE of 49-3023 which includes three sublevel codes of Automotive Service Technician (49-3023.00), Automotive Master Technicians (49-3023.01) and Automotive Specialty Technicians (49-3023.02) is available. Kansas Department Labor's Long – Term Occupational Outlook indicates annual openings for graduates in this field in the South Central region at 43 with 193 openings annually statewide. Projected openings between 2014 and 2024 are 431 in the South Central Region and 1924 statewide. The majority of these openings will be the result of replacements with the South Central region replacement rate at 92.6% and the statewide replacement rate at 86.6%. The remaining positions will be the result of growth resulting in 32 new positions between 2014 and 2024 in the South Central region and 257 new positions across the state of Kansas.

The Kansas Wage Survey indicated an average statewide annual mean of \$37,550 and a median wage of \$35,470.00 for Automotive Service Technicians. The same source identified an average salary in the South Central region of \$42,653 and a median of \$38,543.

Additionally, Onet Online indicates a national median wage of \$39,550 with a projected growth rate between 2016 and 2026 of 5% to 9% for Automotive Specialty Technicians. The projected job openings in the same period are 75,600. Additionally, Onet Online indicates a median wage in KS at 36,560 with projected job openings at 610.

Show demand from the local community. Provide letters of support from at least three potential employers, which state the specific type of support they will provide to the proposed program.

See Appendix A

Describe/explain any business/industry partnerships specific to the proposed program.

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

Alternative Fuel Vehicle Maintenance & Advanced Electronics Industry Advocate Team

Contact	Organization
Brandon Clark	Rusty Eck
Eric Niemann	Rusty Eck
Greg Whitley	Dumbwire Guy
Ernie Gonzales	UPS
Eric Phillips	Hatchett Buick
Conner Ward	Don Hatton
Mike Tann	City of Wichita
Brad Foth	UPS
Curtis Haynes	Berry Equipment

Duplication of Existing Programs

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

There are no other Alternative Fuel Vehicle programs in the state of Kansas (CIP Code 47.0614). Below is a list of the Automotive Technology programs (CIP 47.0604) in Kansas with the necessary data from KTIP. Please be aware that due to compliance with FERP guidelines some KTIP data is not available/suppressed. Those cases are indicated as KTIP indicates * or KTIP indicates N/R.

Barton Community College

- o Program Name: Automotive Technology
- o Award: AAS Cert A, B, C
- o Number of Declared Majors: 32
- o Number of Program Graduates: 5
- o Number of Graduates Exiting the System and Employed: KTIP indicates *
- o Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

Butler Community College

- o Program Name: Automotive Technology
- o Award: AAS and CERT B
- o Number of Declared Majors: 34
- o Number of Program Graduates: 6

- Number of Graduates Exiting the System and Employed: KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

Coffeyville Community College

- Program Name: Automotive Service Technology
- Award :AAS and CERT C
- Number of Declared Majors: 80
- Number of Program Graduates: 16
- Number of Graduates Exiting the System and Employed: 9
- Annual Median Wage for Graduates Existing the System and Employed: \$19,301.00

Cowley Community College

- Program Name: Automotive Service Technology
- Award: AAS and CERT C
- Number of Declared Majors:83
- Number of Program Graduates; 15
- Number of Graduates Exiting the System and Employed: 6
- Annual Median Wage for Graduates Existing the System and Employed: \$25,298.00

Dodge City Community College

- Program Name: Automobile Mechanics Technology
- Award: AAS and CERT B
- Number of Declared Majors: 27
- Number of Program Graduates: KTIP indicates * only
- Number of Graduates Exiting the System and Employed: KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

Flint Hills Community College

- Program Name: Automotive Technology
- Award: AAS and CERT B

- Number of Declared Majors: 37
- Number of Program Graduates: 18
- Number of Graduates Exiting the System and Employed: 8
- Annual Median Wage for Graduates Existing the System and Employed: \$14,727.00

Garden City Community College

- Program Name: Automotive Technology
- Award: AAS and CERT C
- Number of Declared Majors: KTIP indicates *
- Number of Program Graduates: KTIP indicates *
- Number of Graduates Exiting the System and Employed: KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates N/R only

Highland Community College

- Program Name: Automotive Technology
- Award: AAS and CERT C
- Number of Declared Majors: 36
- Number of Program Graduates: 7
- Number of Graduates Exiting the System and Employed: KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

Hutchinson Community College

- Program Name: Automotive Technology
- Award: AAS and CERT B
- Number of Declared Majors: 64
- Number of Program Graduates: 15
- Number of Graduates Exiting the System and Employed: 8
- Annual Median Wage for Graduates Existing the System and Employed: \$25,899.00

Independence Community College

- Program Name: Automobile Technology
- Award : CERT A
- Number of Declared Majors: no KTIP data
- Number of Program Graduates: no KTIP data
- Number of Graduates Exiting the System and Employed: no KTIP data
- Annual Median Wage for Graduates Existing the System and Employed: no KTIP data

Johnson County Community College

- Program Name: Automobile/Automotive Mechanics Technology/Technician
- Award : AAS and CERT A
- Number of Declared Majors: 163
- Number of Program Graduates: 14
- Number of Graduates Exiting the System and Employed: 8
- Annual Median Wage for Graduates Existing the System and Employed: \$20,224

Kansas City Kansas Community College

- Program Name : Automotive Technology
- Award: CERT A, B, C
- Number of Declared Majors: 130
- Number of Program Graduates: 39
- Number of Graduates Exiting the System and Employed: 15
- Annual Median Wage for Graduates Existing the System and Employed: \$19,284.00

Pratt Community College

- Program Name: Automotive Technology
- Award: AAS

- Number of Declared Majors:21
- Number of Program Graduates: 5
- Number of Graduates Exiting the System and Employed: KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

Manhattan Area Technical College

- Program Name: Automotive Technology
- Award: AAS
- Number of Declared Majors: 40
- Number of Program Graduates: 25
- Number of Graduates Exiting the System and Employed : KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

North Central Kansas Technical College

- Program Name: Automotive Technology
- Award: AAS
- Number of Declared Majors: 45
- Number of Program Graduates: 13
- Number of Graduates Exiting the System and Employed: 12
- Annual Median Wage for Graduates Existing the System and Employed: \$33,862.00

Northwest Kansas Technical College

- Program Name: Automotive Technology
- Award: AAS and CERT B, C
- Number of Declared Majors: 18
- Number of Program Graduates: 16
- Number of Graduates Exiting the System and Employed: 6
- Annual Median Wage for Graduates Existing the System and Employed: \$32,240.00

Salina Area Technical College

- Program Name : Automotive Technology
- Award: AAS and CERT C
- Number of Declared Majors: 37
- Number of Program Graduates: 14
- Number of Graduates Exiting the System and Employed: 12
- Annual Median Wage for Graduates Existing the System and Employed: \$26,285

Seward County Community College

- Program Name : Automotive Technology
- Award: AAS and CERT A, C
- Number of Declared Majors: 44
- Number of Program Graduates: 5
- Number of Graduates Exiting the System and Employed: KTIP indicates *
- Annual Median Wage for Graduates Existing the System and Employed: KTIP indicates *

WSU Tech

- Program Name: Automotive Technology
- Award: AAS
- Number of Declared Majors: 88
- Number of Program Graduates: 7
- Number of Graduates Exiting the System and Employed: 6
- Annual Median Wage for Graduates Existing the System and Employed: \$32,406

Washburn Institute of Technology

- Program Name: Automotive Technology
- Award: CERT A and C
- Number of Declared Majors: 121
- Number of Program Graduates: 39
- Number of Graduates Exiting the System and Employed: 16

- o Annual Median Wage for Graduates Existing the System and Employed: \$26,469

The programs listed above (CIP Codes 47.0604) are focused on the service and repair of traditional fuel vehicles. The proposed program (CIP Code 47.0614) will provide graduates trained to repair and maintain alternative fueled vehicles. The proposed program includes coursework in specialized areas of electric vehicles as well as liquid petroleum gas, and compressed natural gas vehicles. The proposed program will also address the specialized nature of hybrid fuel technology. These topics are not part of the traditional automotive service technology coursework. Additionally the uniqueness of the alternative fuel vehicle systems including electrical power, energy recovery and operations make this proposed program truly unique from the traditional automotive technology program.

Was collaboration with similar programs pursued: Please explain the collaboration attempt or rationale for why collaboration was not a viable option.

In the development of the proposed program WSU Tech sought guidance and collaboration with Business and Industry in the Wichita area and the faculty in WSU Tech's NATEF accredited Automotive Service Technology. Institution leadership determined not to pursue any other collaboration.

Program Information

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

Technical Education Courses

All courses are taught in traditional face to face modality unless otherwise noted
Courses with pre/co requisites are identified.

AFV 110 Electrical I

Description	In this course students will: Complete service work orders; describe the relationship between voltage, ohms and amperage; perform basic electrical circuit repairs; identify electrical system faults; identify basic wiring diagram symbols, components, and legend information; perform basic electrical circuit measurements using a DVOM; describe basic circuit characteristics of series, parallel and series parallel circuits through a variety of classroom and shop learning and assessment activities.
Total Credits	3

AFV 120 Electrical II

Description	In this course students will: Perform battery diagnosis; perform battery service; perform starting system diagnosis; perform starting system repair; perform charging system diagnosis; perform charging system repair; identify current flow on starting and charging system diagrams through a variety of learning and assessment activities..
Prerequisite(s)	TAS 124 Electrical I
Total Credits	5.0

AFV 125 Manual Transmission/Transaxle & Drive Train

Description	This course contains competencies that can be used in their entirety within a single course or as needed for courses designed by a Kansas institution as Institutional Flexible Credit. Through a variety of learning and assessment activities students can: determine the general drive train diagnosis procedures; explore the fundamentals of clutch operation; explore the fundamentals of clutch removal, inspection and repair; determine the powerflow of the manual transmission and transaxle; perform fundamental manual transmission and transaxle inspection and repair according to service specifications; perform fundamental differential inspection and repair according to service specifications; perform fundamental diagnosis, inspection and replacement of drive axle shafts and supporting components; perform fundamental diagnosis, inspection, adjustment and repair of four- and all-wheel drive components; diagnose drive train issues; diagnose clutch concerns; perform the removal, inspection and/or repair of the clutch and its components; conduct a transmission and transaxle inspection and repair according to service specifications; conduct a differential inspection and repair according to service specifications; conduct the diagnosis, inspection and replacement of drive axle shafts and supporting components; conduct the diagnosis, inspection, adjustment and repair of four- and all-wheel drive components.
Total Credits	4

AFV 130 Suspension and Steering I

Description	In this course students will: document fundamental suspension system concerns; perform fundamental diagnostics of steering systems; perform fundamental repairs of steering systems; perform fundamental diagnostics of suspension systems; perform fundamental repairs of suspension systems; determine the need for wheel alignment and adjustment; perform fundamental diagnostics of wheel and tire systems; perform fundamental repairs of wheel and tire systems through a variety of learning and assessment activities.
Total Credits	3

AFV 135 Introduction to Alternative Fuels

Description	Students will use various sources in the alternative fueled vehicle industry to learn what alternative fuels are available. Students will examine the need for alternative fuels including: Propane, Natural Gas, Ethanol and Biodiesel. Students will also learn about new technologies such as Electric Drive and Hydrogen fueled vehicles as well as Fuel Economy and Idle Reduction considerations.
Total Credits	3

AFV 140 Engine Repair

Description	This course contains competencies that can be used in their entirety within a single course or as needed for courses designed by a Kansas institution as Institutional Flexible Credit. Through a variety of learning and assessment activities students can: explore the theory and operation of internal combustion engine; demonstrate the
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ability to remove an automotive engine; demonstrate the ability to install an automotive engine; demonstrate the basic ability to inspect and repair cylinder head, valve trains and timing defects; demonstrate the ability to disassemble short block; demonstrate the ability to inspect short block; demonstrate the ability to repair short block; demonstrate the ability to reassemble short block; demonstrate the basic ability to inspect and repair engine lubrication; demonstrate the basic ability to inspect and repair engine cooling systems; inspect a cylinder head and valve train; repair a cylinder head and valve train; perform advanced level engine diagnosis.

Total Credits 4

AFV 145 Hybrid Systems & Maintenance

Description This course introduces the student to the features of the Internal Combustion Engine (ICE) as they apply to the hybrid vehicle, hybrid drive systems (transaxles and gears), brake systems, HVAC systems, and cooling systems service. First responder, predictive maintenance procedures, hybrid trucks, and Belted Alternator System (BAS) are also examined.

Total Credits 3

AFV 150 Electric/Fuel Cell Technology

Description This course is designed to help prepare the student to enter the automotive repair and service industry in the area of alternative fuels and advanced technology vehicles. It is an intensive study of vehicle electric and fuel cell theory, application, installation, diagnosis, service and safety regulations.

Total Credits 1

AFV 155 High Voltage Battery Technology & Management

Description This course introduces the student to high voltage battery technology: electrical service safety precautions and personal protection, high voltage tools and equipment usage, battery energy management hardware systems, battery removal and installation, and battery rebuilding. The student will also be introduced to AC induction electric machines, permanent magnet electric machines, power inverter systems, electric propulsion sensing systems, communication networks, and predictive maintenance.

Total Credits 3

AFV 160 Brakes I

Description This course is a thorough and detailed study of brake system theory and functional operation and principles of hydraulic systems as it applies to braking system operation. Practical applications of all phases of brake work including complete system service of disc and drum brake systems, parking brake systems, power assist devices and machining of brake disc and drum.

Total Credits 3

AFV 165 Introduction to CNG and LPG Conversion, Installation & Maintenance

Description This course introduces the student to high voltage battery technology: electrical service safety precautions and personal protection, high voltage tools and equipment usage, battery energy management hardware systems, battery removal and installation, and battery rebuilding. The student will also be introduced to AC induction electric machines, permanent magnet electric machines, power inverter systems, electric propulsion sensing systems, communication networks, and predictive maintenance.

Total Credits 1

AFV 170 Automotive Computer Systems

Description In this course students will: Perform automotive computer system diagnosis; perform vehicle communication diagnosis; perform engine computer system diagnosis; transmission computer diagnosis; perform air bag system diagnosis; perform heating and air conditioning electronic diagnosing; perform electronic anti-lock brake/traction/stability diagnosis; perform driver assistance system diagnosis; identify computer systems through a variety of learning and assessment activities.

Total Credits 3

AFV 175 Automatic Transmission Repair

Description This course contains competencies that can be used in their entirety within a single course or as needed for courses designed by a Kansas institution as Institutional Flexible Credit. Through a variety of learning and assessment activities students can: explore the concept of theory and operation of automatic transmissions/transaxles; perform maintenance on an automatic transmission/transaxle; perform service on an automatic transmission/transaxle; diagnose automatic transmission/transaxles; inspect automatic transmission/transaxles; remove and reinstall automatic transmission; remove and reinstall automatic transaxles; disassemble automatic transmission and components; disassemble automatic transaxles and components; inspect automatic transmission components; inspect automatic transaxles and components; repair automatic transmission and components; repair automatic transaxles and components; reassemble automatic transmission and components; reassemble automatic transaxles and components.

Total Credits 4

AFV 180 Heating & Air Conditioning for Alternative Fuel Vehicles

Description This course contains competencies that can be used in their entirety within a single course or as needed for courses designed by a Kansas institution as Institutional Flexible Credit. Through a variety of learning and assessment activities students can: explore the fundamentals of automotive HVAC operations and environmental concerns, identify the appropriate refrigerant recovery and recycling guidelines; service refrigerant, recycling and handling systems; document fundamental heating and air conditioning system concerns; perform fundamental diagnostics of A/C systems; perform fundamental diagnostics of refrigeration systems components; perform fundamental repairs of refrigeration systems components; perform

fundamental diagnostics of heating, ventilation, and engine cooling systems; perform fundamental repairs of heating, ventilation, and engine cooling systems; perform fundamental diagnostics of operating systems and related controls; perform fundamental repairs of operating systems and related controls; perform complex diagnostics of A/C Systems; document complex heating and air conditioning system concerns; perform complex diagnostics of refrigeration system components; perform complex repairs of refrigeration system components; perform complex diagnostics of heating, ventilation, and engine cooling systems.

Total Credits 4

PDV 105 Blueprint for Personal Success

Description The professional world is full of challenging situations, including conflicting personalities, miscommunication, and cultural differences. In this course, students will learn about typical workplace etiquette protocols, communication standards, and cultural awareness strategies in order to navigate these common obstacles. This course will prepare students by educating them on the importance of establishing and maintaining their professional image in the workplace. Whether students are working on the manufacturing floor, in a medical facility or in a professional office setting practicing professional etiquette will help ensure that their occupational environment is positive and productive. Students will integrate internal attitudes with external behaviors so that their personal attributes reflect the expectations of their future employers. The course provides a study of human relations and professional development in today's rapidly changing world. The course prepares students for living and working in a complex society through a focus on professionalism, work ethic, teamwork (collaboration) and oral communication. Topics include: Goal Setting, Entry Level Leadership, Communication, Teamwork and Diversity, Career Management, Lifestyle Design, and Disruption in Industry.

Modality Online

Total Credits 2.00

General Education Courses

All course are taught in multiple modalities (online, hybrid and traditional face to face) options
Courses with pre/co requisites are identified.

CED 115 Computer Applications

Description This course introduces students to the fundamental concepts and operations necessary to use computers. Emphasis is placed on basic functions and familiarity with computer use. Topics include: computer terminology, introduction to the windows environment, introduction to networking, introduction to word processing, introduction to spreadsheets, and introduction to databases.

Total Credits 3.00

ENG 101 English Composition I

Description This course is designed to improve the reading and writing skills of students. The emphasis is on fundamental principles of written English in structurally correct sentences, paragraphs and expository themes. Critical analysis of essays will be used to aid in developing the student's thinking, support of thesis and style. Students are introduced to the basic components of research by writing a documented essay in Modern Language Association (MLA) style.

Total Credits 3.00

MTH 101 Intermediate Algebra

Description This online/traditional/hybrid course will enable the student to use and interpret the mathematical symbols and notation relating to functions. The student will analyze the graphs of various mathematical functions with the assistance of a graphing utility, including polynomial, rational, root, absolute value, logarithmic and exponential functions, and solve related equations and inequalities, including systems of equations and inequalities. The student will use both graphical analysis and equation solving in the context of word problems. Topics include: Equations and Inequalities; Functions and Graphs; Polynomial and Rational Functions; Exponential and Logarithmic Functions; Systems of Equations and Inequalities; Matrices and Determinants.

Total Credits 3.00

SPH 101 Public Speaking

Description Covers fundamental basics to all good private and public speaking experiences and elements in voice production and improvement, bodily movement, confidence, poise and understanding of all types of public speeches. Required of all transfer curricula.

Total Credits 3.00

Or

SPH 111 Interpersonal Communication

Description Improves individual communication skills. By understanding the elements of effective communication, students are able to create environments that bring out the best in themselves and others. In addition, students learn how to better turn ideas and feelings into words, how to listen more effectively, respond more appropriately to what others have said and, most important of all, how to maintain and develop good interpersonal relationships with their families, their peers and fellow workers. Emphasis is placed on small-group activities, interviewing skills and verbal and non-verbal communication.

Total Credits 3.00

ECO 105 Principles of Macroeconomics

Description This course explores the fundamental aspects of the United States economy including growth, fiscal and monetary policies, unemployment, inflation, national debt, money and the Federal Reserve System. National and international policy topics are discussed.

Total Credits 3.00

Or

ECO 110 Principles of Microeconomics

Description Attention will be given to the methods of producing the goods and services that our economy provides. The following areas are explored: supply, demand, pricing, scarcity, business firms and business anti-trust and public interest, incomes, wages and salaries, income distribution, taxes and tax reform.

Total Credits 3.00

Or

POL 101 American Government

Description A general study of the development, structure and functions of the American National Government. Topics to be studied include an introduction to government, principles of constitutionalism and federalism, political parties and political behavior, the Presidency, congress, the judiciary and the federal bureaucracy, Of specific emphasis is an analysis of decision-making in government, public participation and influence in government as well as a study of specific problems concerning the operation of the federal government.

Total Credits 3.00

Or

PSY 101 General Psychology

Description A general introduction to the scientific study of behavior and mental processes to enable students to apply the knowledge they gain about the history of psychology, psychological perspectives, biological bases of behavior, sensation and perception, learning, cognition, intelligence, motivation, development, personality, psychological disorders and treatments of disorders, social psychology and critical thinking skills to enhance the quality of his/her life as he/she interacts with others and the environment.

Total Credits 3.00

Or

PSY 110 Child Psychology

Description This course is a scientific study of child behavior and development from the prenatal period through adolescence. This includes special emphasis in topics of physical development, cognitive and language development, social-emotional development and attachment, socialization, and practical applications of discipline and child rearing.

Total Credits 3.00

Or

PSY 120 Developmental Psychology

Description A study of individual development from conception through death to enable students to apply the knowledge they gain about the general areas of biological, neurological, physical, cognitive, social, emotional and personality development at each stage of life to enhance more meaningful interactions with others and better understanding of his/herself.

Total Credits 3.00

Or

SOC 101 Principles of Sociology

Description Improves individual communication skills. By understanding the elements of effective communication, students are able to create environments that bring out the best in themselves and others. In addition, students learn how to better turn ideas and feelings into words, how to listen more effectively, respond more appropriately to what others have said and, most important of all, how to maintain and develop good interpersonal relationships with their families, their peers and fellow workers. Emphasis is placed on small-group activities, interviewing skills and verbal and non-verbal communication.

Total Credits 3.00

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

The Alternative Fuel Vehicle Maintenance & Advanced Electronics program does not offer multiple curricula.

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

AAS – 61 Credits**Semester 1**

Course #	Course Title	Credits	Function
AFV 110	Electrical I	3	Technical Studies
AFV 120	Electrical II	5	Technical Studies
AFV 125	Manual Transmission/Transaxle & Drive Train	4	Technical Studies
AFV 130	Suspension and Steering I	3	Technical Studies
AFV 135	Introduction to Alternative Fuels	3	Technical Studies
PDV 105	Blueprint for Personal Success	2	General Studies
	Computer Elective	3	General Studies

Semester 2

Course #	Course Title	Credits	Function
AFV 140	Engine Repair	4	Technical Studies
AFV 145	Hybrid Systems & Maintenance	3	Technical Studies
AFV 150	Electric/Fuel Cell Technology	1	Technical Studies
AFV 155	High Voltage Battery Technology & Management	3	Technical Studies
AFV 160	Brakes I	3	Technical Studies
AFV 165	Introduction to CNG and LPG Conversion, Installation & Maintenance	1	Technical Studies
AFV 170	Automotive Computer Systems	3	Technical Studies
MTH 101	Intermediate Algebra	3	General Studies
ENG 101	Composition I	3	General Studies

Semester 3

Course #	Course Title	Credits	Function
AFV 175	Automatic Transmission Repair	4	Technical Studies
AFV 180	Heating & Air Conditioning	4	Technical Studies
	Communication Elective	3	General Studies
	Social Science Elective	3	General Studies

Technical Certificate – 46 Credits**Semester 1**

Course #	Course Title	Credits	Function
AFV 110	Electrical I	3	Technical Studies
AFV 120	Electrical II	5	Technical Studies
AFV 125	Manual Transmission/Transaxle & Drive Train	4	Technical Studies
AFV 130	Suspension and Steering I	3	Technical Studies
AFV 135	Introduction to Alternative Fuels	3	Technical Studies
PDV 105	Blueprint for Personal Success	2	General Studies

Semester 2

Course #	Course Title	Credits	Function
AFV 140	Engine Repair	4	Technical Studies
AFV 155	High Voltage Battery Technology & Management	3	Technical Studies
AFV 150	Electric/Fuel Cell Technology	1	Technical Studies
AFV 145	Hybrid Systems & Maintenance	3	Technical Studies
AFV 160	Brakes I	3	Technical Studies
AFV 165	Introduction to CNG and LPG Conversion, Installation & Maintenance	1	Technical Studies
AFV 170	Automotive Computer Systems	3	Technical Studies

Semester 3

Course #	Course Title	Credits	Function
AFV 175	Automatic Transmission Repair	4	Technical Studies
AFV 180	Heating & Air Conditioning	4	Technical Studies

List any pertinent program accreditation available:

WSU Tech currently holds full accreditation from the National Automotive Technicians Education Foundation. Upon its inception the proposed program will fall under WSU Tech's current NATEF accreditation umbrella. Curriculum and lab spaces dedicated to the Alternative Fuel Vehicle Maintenance & Advanced Electronics program will be reviewed during the next scheduled accreditation cycle in 2023. WSU Tech will allocate an additional \$2300.00 in funding during fiscal year 2023 to cover the additional accreditation costs.

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

WSU Tech selected Charles Kauffman to lead the development and implementation of the proposed Alternative Fuel Vehicle Maintenance & Advanced Electronics program. Mr. Kauffman currently

serves as a fulltime faculty member in WSU Tech the Automotive Service Technology program. In the summer of 2019, Mr. Kauffman will move to a Lead Faculty position responsible for all teaching and administrative duties in the Alternative Fuel Vehicle Maintenance & Advance Electronics program. In preparation for this new assignment Mr. Kauffman, who is currently an ASE Master Certified Automotive Technician, in April of 2019 will take the alternative fuel ASE certification exams commonly known as F1.

Charles Kauffman – Lead Faculty

- ◆ ASE Master Certified Automotive Technician
- ◆ 35 Years of industry experience as an Automotive Technician
- ◆ 500+ hours of General Motors Factory Training
- ◆ 9 years of supervisory experience as shop foreman
- ◆ 2+ years of teaching experience at the post-secondary level
- ◆ North Central Kansas Technical College – Automotive Technical Certificate
- ◆ WSU Tech – Associate of Applied Sciences - degree pending

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

Transferable General Education Faculty:

Master's Degree or higher from a regionally accredited college or university in the teaching discipline or subfield, **OR** any Master's Degree plus 18 graduate or undergraduate credit hours in the teaching discipline or subfield.

Qualified faculty are identified primarily by credentials, but other factors may be considered in addition to the degree earned. For example, the ability to design curricula or develop and implement effective pedagogy through years of teaching with satisfactory performance.

Bachelor's Degree in the teaching discipline or subfield combined with 3+ years teaching experience in the discipline or subfield will be considered in lieu of a completed Master's Degree. A professional development plan to include a Master's Degree must be developed and pursued.

Cost and Funding for Proposed Program

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

Physical facilities:

The Alternative Fuel Vehicle Maintenance & Advanced Electronics program will be located at the City Center Campus at 301 S. Gove Wichita KS 67211. There is adequate space for the program.

Instructional equipment and supplies:

Instructional Equipment: This proposed program will be housed in the Transportation Building at the WSU Tech City Center Campus. This location includes much of the necessary equipment associated with an automotive program. The college recognizes the need for specialized equipment to effectively teach the skills associated with alternative fuel vehicles. As a result, WSU Tech has allocated \$80,000 FY 19 institutional funds to provide the necessary instructional equipment. WSU Tech has an institutional budget dedicated to the development of new programs. This is the source of the

institutional funds for this proposed program. Below is a list of the equipment WSU Tech will purchase prior to the program opening the Fall of 2019. The proposed program will be eligible for additional funds as deemed necessary in years two and three.

Battery Tester
Amp Clamp
Digital Multimeter Probe Set
Battery Charger Plus
Polartek Hybrid AC Machine
Hybrid Battery Lift
Zeus Certification Kit
Floor Jacks
Steel Workbench
Tear Down Bench
10k lifts
Cord Reels
Hose Reels
30AMP Charging Station
Body Rescue Hook
High Voltage Battery Cable
Covers
EV/HEV Battery Service Tool
Class D Fire Extinguisher
CANBus Trainer
Student Tool Boxes

Certification Costs:

Institutional monies in the amount \$1200.00 were allocated to fund the cost Automotive Service Excellence (ASE) F1 exams for lead faculty in the proposed program.

Accreditation Costs:

The proposed program is accredited under WSU Tech's current NATEF accreditation until FY 2023. At that time the college will provide an additional \$2300.00 in funds from the program budget to provide for the additional accreditation costs.

Faculty Salary:

As indicated above Charles Kauffman will move from his current position as a full time faculty member in the Automotive Technology program to the proposed program. Once the program is approved the monies for Mr. Kauffman's salary will move to the proposed program budget. The college will backfill the full time faculty position in the Automotive Technology program.

Instructional materials:

The proposed program will be allocated a budget from the general fund to provide any instructional materials. Associated materials fees paid by student fees are listed below. The fees include a \$4.00 per credit hour tool rental fee.

Course Number	Course Title	Associated Materials Fee
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AFV 110	Electrical I	\$162.00
AFV 120	Electrical II	\$180.00
AFV125	Manual Transmission/Transaxle & Drive Train	\$206.00
AFV130	Suspension and Steering I	\$207.00
AFV135	Introduction to Alternative Fuels	\$112.00
AFV140	Engine Repair	\$225.00
AFV145	Hybrid Systems & Maintenance	\$212.0
AFV150	Electric/Fuel Cell Technology	\$104.0
AFV155	High Voltage Battery Technology & Management	\$212
AFV160	Brakes I	\$167.00
AFV165	CNG and LPG Conversion, Installation & Maintenance	\$216
AFV170	Automotive Computer Systems	\$207.00
AFV175	Automatic Transmission Repair	\$213.0
AFV180	Heating & Air Conditioning	\$208
PDV 105	Blueprint for Personal Success	\$30.00
General Education	15 credits	\$0.0

Provide detail on CA-1a form.

See Appendix B

Describe any grants or outside funding sources that will be used for the initial start up of the new program and to sustain the proposed program.

No grants or outside funding sources will be used to fund the program to start up or sustain the program. However, WSU Tech will review options for grant funding as appropriate to enhance and/or expand the program.

Program Review and Assessment

Describe the process and frequency for review of the program content including competencies.

The Alternative Fuel Vehicle Maintenance & Advanced Electronics program will go through the same program review and assessment processes that are used for all other programs throughout the college. The program outcomes and competencies are formulated into the World Wide Instructional Design (WIDS) system. Students will be regularly evaluated throughout the program for mastery of knowledge and technical skills. Assessment tools include written exams, demonstrations, projects, and other evaluation techniques. They will also be contacted to complete the WSU TECH Follow-up Study that rates various aspects of the program. Data from

WIDS is compiled and utilized by the programs to identify their strengths and challenges. They are also used to verify student learning and plan for future instructional improvements. This process is completed by the faculty. Faculty will then make curricular revisions as indicated by data. In the case of a non-aligned program, this would include changes to outcomes, competencies, content, instruction, resources, and other curricular activities. Supplemental data is also collected through student course and program evaluations, student satisfaction surveys, student and employer assessment surveys, and graduate placement statistics.

A program Industry Advocate Team (IAT) will annually review program content, admission requirements, equipment, program outcomes, objectives, and competencies, and receive information regarding program performance yearly. Information from these meetings will guide faculty regarding industry needs and provide assurance that the knowledge and skills they are teaching is what is needed by industry. In addition, any state aligned curriculum approved by KBOR will be implemented.

Each program conducts a formal review to ensure that its objectives and competencies are being achieved, and that there is a level of accountability in place. These reviews take place on a three cycle. The program review takes into account all of the information produced about the program and brings it together in one evaluation. The program review allows programs and departments to identify their strengths, pinpoint areas for improvement, and discuss other resources that impact their area. The structure of program review is very much like a program self-study. Each program review is made up of six major components: program information, curriculum, advisory committee, resources, program outcomes, and summary. For each area, faculty are required to describe or provide feedback on specific aspects, providing data and/or support documentation when available. Faculty complete the program review documentation and submit it to the appropriate Dean for review. After any necessary adjustments are completed the program review is submitted to the Program Review Committee which is made up of both Academic Vice Presidents and the Dean of Academic Services. After reviewing the documentation the Program Review Committee meets with the program leadership to define a course of action that they would like to take to improve the program based on the identified recommendations.

Program Approval at the Institution Level

Summarize the institutional process undertaken for approval of the proposed program.

Board	Approval Date
Program Advisory Board	1/30/2019
Faculty Senate	2/14/2019
SCETA Board Approval	9/13/2018

Provide copies of the Program Advisory Board Minutes (including a list of the members and business connection to program), Curriculum Committee Minutes, Governing Board Minutes for the meeting at which the new program was approved.

See Appendix C

Submit the completed application and supporting documents to the following:

Revised/Approved January 2018

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

Appendix A



**Partnership Agreement between
Wichita State University Campus of Applied Sciences and Technology
and Hatchett Devlin Automotive Group**

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Hatchett Devlin Automotive Group to provide support and opportunities outlined in this document for the Alternative Fuels and Advanced Electronics program and publicly support WSU Tech students.

Background

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

Purpose

This MOU will establish the role of and scope of agreed involvement for Hatchett Devlin Automotive Group in regards to the Alternative Fuels and Advanced Electronics program. Involvement and participation is defined by supporting the following goals set out below and providing use of your company logo for outreach, coordination, and retention campaigns/events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Hatchett Devlin Automotive Group undertaking the following activities in these critical areas (please check which areas you wish to participate in).

Business / Industry Partner will:

- Provide a guaranteed interview opportunity to graduates of Alternative Fuels & Advanced Electronics program at one of WSU Tech Campuses or at Hatchett Devlin Automotive Group's facility.
- The opportunity for employers to engage in networking events, industry advocate team meetings to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- Provide up to date job descriptions, credential requirements, and application instructions for positions Hatchett Devlin Automotive Group actively recruits candidates for.
- Provide constructive feedback to graduates who are interviewed when appropriate.
- Provide information regarding hiring requirements/trends or changes in requirements to WSU Tech.



- Refer denied applicants from Hatchett Devlin Automotive Group to further training at WSU Tech.
- Actively host students in applied learning activities such as internship or independent study options for this program(s).

Reporting of Outcomes

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

Funding

This MOU is not a commitment of funds, however we would appreciate meeting with the appropriate person to further leverage this partnership by scholar-shiping your next hire to grow your own workforce. Your support through gifts to the foundation helps us make a difference in the lives of our students. Students select WSU Tech to receive training for the jobs that are most in demand by businesses like yours. Over 85% of our students have secured job placement within six months of graduation and we partner with employers to equip our students with the relevant skills for jobs today and tomorrow. We are open to discuss social media marketing and asset donations in place of a monetary donation as well.

Duration

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

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

Notice of Nondiscrimination

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

Legal Citation

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



This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Hatchett Devlin Automotive Group to provide the above checked services for Alternative Fuels & Advanced Electronics program and publicly support WSU Tech students.

Contact Information and Signatures

Hatchett Devlin Automotive Group

Partner Representative Name: Eric Phillips

Position: Service Manager

Address: 1333 N Greenwich Rd

Telephone: 316-858-6755

E-mail: eric@hatchettauto.com

Signature

Date: 02/18/2019

WSU Tech

WSU Tech Representative Name: Jennifer Seymour

Position: Campus Dean, City Center

Address: 301 S. Grove Wichita, KS 67211

Telephone: 316-677-1695

E-mail: jseymour2@wsutech.edu

Signature

Date: 2/18/19

A handwritten signature in blue ink that reads "Jennifer Seymour".





**Partnership Agreement between
Wichita State University Campus of Applied Sciences and Technology
and Don Hattan Dealerships**

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Don Hattan Dealerships to provide support and opportunities outlined in this document for the Alternative Fuels and Advanced Electronics program and publicly support WSU Tech students.

Background

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

Purpose

This MOU will establish the role of and scope of agreed involvement for Don Hattan Dealerships in regards to the Alternative Fuels and Advanced Electronics program. Involvement and participation is defined by supporting the following goals set out below and providing use of your company logo for outreach, coordination, and retention campaigns/events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Don Hattan Dealerships undertaking the following activities in these critical areas *(please check which areas you wish to participate in)*.

Business / Industry Partner will:

- Provide a guaranteed interview opportunity to graduates of Alternative Fuels & Advanced Electronics program at one of WSU Tech Campuses or at Don Hattan Dealerships's facility.
- The opportunity for employers to engage in networking events, industry advocate team meetings to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- Provide up to date job descriptions, credential requirements, and application instructions for positions Don Hattan Dealerships actively recruits candidates for.
- Provide constructive feedback to graduates who are interviewed when appropriate.
- Provide information regarding hiring requirements/trends or changes in requirements to WSU Tech.
- Refer denied applicants from Don Hattan Dealerships to further training at WSU Tech.



- Actively host students in applied learning activities such as internship or independent study options for this program(s).

Reporting of Outcomes

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

Funding

This MOU is not a commitment of funds, however we would appreciate meeting with the appropriate person to further leverage this partnership by scholar-shiping your next hire to grow your own workforce. Your support through gifts to the foundation helps us make a difference in the lives of our students. Students select WSU Tech to receive training for the jobs that are most in demand by businesses like yours. Over 85% of our students have secured job placement within six months of graduation and we partner with employers to equip our students with the relevant skills for jobs today and tomorrow. We are open to discuss social media marketing and asset donations in place of a monetary donation as well.

Duration

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

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

Notice of Nondiscrimination

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

Legal Citation

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





This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Don Hattan Dealerships to provide the above checked services for Alternative Fuels & Advanced Electronics program and publicly support WSU Tech students.

Contact Information and Signatures

Don Hattan Dealerships

Partner Representative Name: *Conner Ward*

Position: *Service Director*

Address: *6000 Hattan dr.
Wichita, KS 67219*

Telephone: *316-744-1275*

E-mail: *cward@donhatten.com*

Signature: *[Handwritten Signature]*

Date: *2/13/19*

WSU Tech

WSU Tech Representative Name: *Jennifer Seymour*

Position: *Campus Dean, City Center*

Address: *301 S. Grove Wichita, KS 67211*

Telephone: *316-677-1695*

E-mail: *jseymour2@wsutech.edu*

Signature: *Jennifer R Seymour*

Date: *2/14/19*





**Partnership Agreement between
Wichita State University Campus of Applied Sciences and Technology
and Wichita Transit**

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

Background

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

Purpose

This MOU will establish the role of and scope of agreed involvement for Wichita Transit in regards to the Alternative Fuels and Advanced Electronics program. Involvement and participation is defined by supporting the following goals set out below and providing use of your company logo for outreach, coordination, and retention campaigns/events for enriching, sourcing, and securing a viable talent pipeline.

Support will be accomplished by Wichita Transit undertaking the following activities in these critical areas *(please check which areas you wish to participate in)*.

Business / Industry Partner will:

- Provide a guaranteed interview opportunity to graduates of Alternative Fuels & Advanced Electronics program at one of WSU Tech Campuses or at Wichita Transit's facility.
- The opportunity for employers to engage in networking events, industry advocate team meetings to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- Provide up to date job descriptions, credential requirements, and application instructions for positions Wichita Transit actively recruits candidates for.
- Provide constructive feedback to graduates who are interviewed when appropriate.
- Provide information regarding hiring requirements/trends or changes in requirements to WSU Tech.
- Refer denied applicants from Wichita Transit to further training at WSU Tech.
- Actively host students in applied learning activities such as internship or independent study options for this program(s).



Reporting of Outcomes

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

Funding

This MOU is not a commitment of funds, however we would appreciate meeting with the appropriate person to further leverage this partnership by scholar-shiping your next hire to grow your own workforce. Your support through gifts to the foundation helps us make a difference in the lives of our students. Students select WSU Tech to receive training for the jobs that are most in demand by businesses like yours. Over 85% of our students have secured job placement within six months of graduation and we partner with employers to equip our students with the relevant skills for jobs today and tomorrow. We are open to discuss social media marketing and asset donations in place of a monetary donation as well.

Duration

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

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

Notice of Nondiscrimination

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

Legal Citation

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

This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Wichita Transit to provide the above checked services for training support and publicly support WSU Tech students.

Contact Information and Signatures:

Wichita Transit

Partner Representative Name: Michael Tann

Position: Director of Transit, City of Wichita

Address: 777 East Waterman, Wichita, KS 67202

Telephone: 316-352-4805

E-mail: mtann@wichita.gov

Signature: 

Date: February 8, 2019

WSU Tech

WSU Tech Representative Name: Jennifer Seymour

Position: Campus Dean, City Center

Address: 301 S. Grove Wichita, KS 67211

Telephone: 316-677-1695

E-mail: jseymour2@wsutech.edu

Signature: 

Date: 2/11/19



**Partnership Agreement between
Wichita State University Campus of Applied Sciences and Technology
and Berry Equipment**

This Memorandum of Understanding (MOU) sets forth the terms and understanding between Wichita State University Campus of Applied Sciences and Technology (WSU Tech) and Berry Equipment to provide support and opportunities outlined in this document for the Alternative Fuels and Advanced Electronics program and publicly support WSU Tech students.

Background

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

Purpose

This MOU will establish the role of and scope of agreed involvement for Berry Equipment in regards to the Alternative Fuels and Advanced Electronics program. Involvement and participation is defined by supporting the following goals set out below and providing use of your company logo for outreach, coordination, and retention campaigns/events for enriching, sourcing, and securing a viable talent pipeline.

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

Business / Industry Partner will:

- Provide a guaranteed interview opportunity to graduates of Alternative Fuels & Advanced Electronics program at one of WSU Tech Campuses or at Berry Equipment's facility.
- The opportunity for employers to engage in networking events, industry advocate team meetings to provide industry expertise in curriculum guidance, focus groups on retention and recruitment for students.
- Provide up to date job descriptions, credential requirements, and application instructions for positions Berry Equipment actively recruits candidates for.
- Provide constructive feedback to graduates who are interviewed when appropriate.
- Provide information regarding hiring requirements/trends or changes in requirements to WSU Tech.
- Refer denied applicants from Berry Equipment to further training at WSU Tech.



- Actively host students in applied learning activities such as internship or independent study options for this program(s).

Reporting of Outcomes

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

Funding

This MOU is not a commitment of funds, however we would appreciate meeting with the appropriate person to further leverage this partnership by scholar-shiping your next hire to grow your own workforce. Your support through gifts to the foundation helps us make a difference in the lives of our students. Students select WSU Tech to receive training for the jobs that are most in demand by businesses like yours. Over 85% of our students have secured job placement within six months of graduation and we partner with employers to equip our students with the relevant skills for jobs today and tomorrow. We are open to discuss social media marketing and asset donations in place of a monetary donation as well.

Duration

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

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

Notice of Nondiscrimination

The WSU TECH Board of Directors supports and complies with Title VI and Title VII of the Civil Rights Act of 1964 as amended, Section 504 of the Rehabilitation Act of 1973 and Amendments, The Americans with Disabilities Act, Title IX and all requirements imposed by or pursuant to the regulations of the Department of Health and Human Services and the Department of Education. It is the policy of the Board of Directors that no person in the United States (on the grounds of race, color, religion, sex, national origin, ancestry or disability) shall be excluded from participation in, denied the benefit of or otherwise subjected to discrimination under any program or activity of, or employment with WSU Tech. Persons with inquiries may contact the Human Resources Director at 4004 N. Webb Road Wichita, KS 67226 or by phone at 316.677-8500.

Legal Citation

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



This Memorandum of Understanding (MOU) sets forth the terms and understanding between WSU Tech and Berry Equipment to provide the above checked services for Alternative Fuels & Advanced Electronics program and publicly support WSU Tech students.

Contact Information and Signatures

Berry Equipment

Partner Representative Name: *Brian Zimmerman*

Position: *Division Parts & Service Manager*

Address: *3769 McCormick, Wichita, KS 67213*

Telephone: *316-945-0101*

E-mail: *bzimmerman@berrymaterial.com*

Signature

A handwritten signature in black ink, appearing to read "Brian Zimmerman", written over a horizontal line.

Date: *2-15-19*

WSU Tech

WSU Tech Representative Name: *Jennifer Seymour*

Position: *Campus Dean, City Center*

Address: *301 S. Grove Wichita, KS 67211*

Telephone: *316-677-1695*

E-mail: *jseymour2@wsutech.edu*

Signature

A handwritten signature in blue ink, appearing to read "Jennifer Seymour", written over a horizontal line.

Date: *2/15/19*

Appendix B

KBOR Fiscal Summary for Proposed Academic Programs

CA-1a Form (2018)

Institution: **Wichita State University: Campus of Applied Sciences and Technology**
 Proposed Program: **Alternative Fuel Vehicle Maintenance & Advanced Electronics**

IMPLEMENTATION COSTS

Part I. Anticipated Enrollment		Implementation Year		
Please state how many students/credit hours are expected during the initial year of the program?				
		Full-Time	Part-Time	
A. Headcount:		10	10	
Part II. Initial Budget		Implementation Year		
A. Faculty		Existing:	New:	Funding Source:
Full-time	# 1	\$41,500.00	\$0	Institutional Funds and Student Tuition
Part-time/Adjunct	#	\$0	\$0	N/A
		Amount	Funding Source	
B. Equipment required for program		\$80,000	Institutional Funds	
C. Tools and/or supplies required for the program		\$1000.00	Program Budget Funds	
D. Instructional Supplies and Materials		\$ 100.00	Program Budget Funds	
E. Facility requirements, including facility modifications and/or classroom renovations		\$0.0		
F. Technology and/or Software		\$0.0		
G. Other <i>(Please identify; add lines as required)</i>				
Total For Implementation Year		81,100.00		

Part I. Program Enrollment		Second and Third Years		
Please state how many students/credit hours are expected during the first two years of the program?				
		Full-Time	Part-Time	
A. Headcount:		20	20	
Part II. Ongoing Program Costs		First Two Years		
A. Faculty		Existing:	New:	Funding Source:
Full-time	#1	\$42,330.00	\$0	Institutional Funds and Student Tuition
Part-time	#	\$0	\$0	N/A
		Amount	Funding Source	
B. Equipment required for program		\$0		
C. Tools and/or supplies required for the program		\$1000.00	Program Budget Funds	
D. Instructional Supplies and Materials		\$ 100.00	Program Budget Funds	
E. Facility requirements, including facility modifications and/or classroom renovations		\$0.0		
F. Technology and/or Software		\$0.0		
G. Other <i>(Please identify; add lines as required)</i>		0.0		
Total For Program Sustainability		1,100.00		

KBOR Fiscal Summary for Proposed Academic Programs

CA-1a Form (2018)

PROGRAM SUSTAINABILITY COSTS (Second and Third Years)

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

None at this time

Submit the completed document to the following:

**Director of Technical Programs & Curriculum
Kansas Board of Regents
1000 SW Jackson, Ste. 520
Topeka, KS 66612-1368**

Appendix C

Trish Schmidt

From: Vrenda Pritchard
Sent: Thursday, February 14, 2019 3:04 PM
To: Trish Schmidt
Subject: RE: new Program Approval needed from Faculty Senate

Trish,

The majority has spoken and the faculty senate has approved the new program.

From: Trish Schmidt <PSchmidt@wsutech.edu>
Sent: Tuesday, February 12, 2019 4:03 PM
To: Vrenda Pritchard <vpritchard@wsutech.edu>
Cc: Jennifer Seymour Ed.D <jseymour2@wsutech.edu>
Subject: RE: new Program Approval needed from Faculty Senate

I am afraid the 20th means we will miss our deadline. The materials must be to KBOR well before the deadline of the 22nd – the plan is for us to submit on the 18th. Can we do this via email? I am happy to respond to any questions your team may have concerning the program. I have attached an updated program sequence that includes course numbers.

Alternative Fuel Vehicle Maintenance & Advanced Electronics (AFV)

- ◆ TC – 46 credits (44 Technical Credits, and PDV 105 Blueprint for Personal Success – 2 credits)
- ◆ AAS – 61 credits (44 Technical Credits, 15 general education credits, and PDV 105 Blueprint for Personal Success – 2 credits)
- ◆ The college is providing \$80,000 in equipment funds
- ◆ The program will be housed at City Center in the C Building
- ◆ Chuck Kauffman from the TAS program is taking the lead on the course and program development
- ◆ Industry Advocate Team members assisted with the development and have approved the curriculum
- ◆ Attached find the curriculum configuration for both the TC and the AAS.

Trish Schmidt

Dean, Academic Services

National Center for Aviation Training | 4004 N. Webb Road | Wichita, KS 67226

PSchmidt@wsutech.edu | Tel 316.677.9550 | www.WSUTECH.edu



From: Vrenda Pritchard <vpritchard@wsutech.edu>
Sent: Tuesday, February 12, 2019 3:53 PM
To: Trish Schmidt <PSchmidt@wsutech.edu>
Subject: RE: new Program Approval needed from Faculty Senate

I've just returned from a conference and have been swamped so I apologize for the delay.

The faculty senate meets on 2/20 at 4:00. We can make time for you to present the program at the start of the meeting, if you like. Just let me know if that will work.

From: Trish Schmidt <PSchmidt@wsutech.edu>
Sent: Tuesday, February 12, 2019 3:50 PM
To: Vrenda Pritchard <vpritchard@wsutech.edu>
Subject: FW: new Program Approval needed from Faculty Senate

Hi Vrenda, I have yet to hear back from you on this request. Can you give me an update on progress.

Trish

From: Trish Schmidt
Sent: Wednesday, February 6, 2019 10:48 AM
To: Vrenda Pritchard <vpritchard@wsutech.edu>
Cc: Jennifer Seymour Ed.D <jseymour2@wsutech.edu>
Subject: new Program Approval needed from Faculty Senate

Good Morning Vrenda,

The Transportation and Skilled Trades area is working on a new program that needs Faculty Senate review/approval. Below you will find particulars about the program Please be aware we are on a rather tight submission deadline. The goal is to have the program submitted in time for the February 22nd KBOR meeting. For the purposes of this program this means I need a response from Faculty Senate no later the 2/15/2019. Will there be a scheduled meeting before that date that I could attend and present the program? If not, is it possible to do an email process similar to what we did for the Digital Marketing program in August?

Alternative Fuel Vehicle Maintenance & Advanced Electronics (AFV)

- ◆ TC – 46 credits (44 Technical Credits, and PDV 105 Blueprint for Personal Success – 2 credits)
- ◆ AAS – 61 credits (44 Technical Credits, 15 general education credits, and PDV 105 Blueprint for Personal Success – 2 credits)
- ◆ The program will share 8 classes with the Automotive Service Technology (TAS) program
- ◆ The program will have 6 new courses
- ◆ Chuck Kauffman from the TAS program is taking the lead on the course and program development
- ◆ Industry Advocate Team members assisted with the development and have approved the curriculum
- ◆ Attached find the curriculum configuration for both the TC and the AAS.

Thanks so much and I look forward to hearing from you soon

Trish Schmidt

Dean, Academic Services

National Center for Aviation Training | 4004 N. Webb Road | Wichita, KS 67226

PSchmidt@wsutech.edu | Tel 316.677.9550 | www.WSUTECH.edu





Alternative Fuels Advocate Team

Wednesday, January 30, 2019, 11am

City Center Campus, Building C

MINUTES

I. Attendees:

Name	Industry	Name	Industry
Brandon Clark	Rusty Eck	Eric Phillips	Hatchett Buick
Eric Niemann	Rusty Eck	Conner Ward	Don Hatton
Greg Whitley	Dumbwire Guy	Mike Tann	City of Wichita
Ernie Gonzales	UPS	Brad Foth	UPS
Scott Lucas	WSU Tech	Jennifer Seymour	WSU Tech
Trish Schmidt	WSU Tech	Chuck Kauffman	WSU Tech

II. Introductions

III. Program configuration and Course Outcomes

- a. Trish Schmidt, Dean of Academic Services, provided handouts of the new curriculum and program configurations.
- b. Several concerns regarding safety were expressed. Jennifer Seymour, City Center Campus Dean and Chuck Kauffman, Automotive faculty assured the group that safety is interwoven in every single course. Additionally, the safety outcome will be moved to the first outcome for each course and added if missing.
- c. Discussion about creating a Heating & Air Conditioning course for Alternative Fuels as well, since there is so much variance between gasoline and alternative fueled vehicles.
- d. *Compare/Contrast* references in the course outcomes for Introduction to CNG and LPG Conversion, Installation and Maintenance will be changed to *Identify/Describe*.
- e. Discussion regarding networking/communication systems in alternative fueled vehicles. Several attendees mentioned this as a weak link in new techs due to the complexity.
- f. By a show of hands, all industry members present approved the new curriculum.
- g. Scott Lucas, Vice President of Career & Technical Education, explained that WSU Tech will need letters of support from industry. A MOU will be sent to each industry representative for their consideration. Other items to consider: Interviewing graduates, donating tools/equipment, continued input on curriculum to stay current with technology.

Meeting adjourned at 12:20 pm



**Sedgwick County Technical Education and Training Authority
The Governing Board of Wichita Area Technical College
Board Minutes
Thursday, September 13, 2018**

	<p>Sedgwick County Technical Education and Training Authority Governing Board of Wichita Area Technical College, Sedgwick County, Kansas, met in regular session at NCAT 4004 N Webb Rd., Wichita Kansas, at 3:05 p.m., on September 13, 2018.</p> <p>Present: Lyndon Wells, Cindy Hoover, Meredith Olson, Pete Meitzner, Jim Walters, Michael O'Dornell and Suzanne Scott</p> <p>Absent: Patty Koehler, John O'Leary, Doug Stark and Matt Hesse</p> <p>Guest: Dr. Bardo (conference call)</p>
Public Communications	N/A
Make A Difference Student Award	<p>Introduced the first 5 students from Wichita Promise MOVE Kyler Wallace, Michael Carrigan, Cory Calvert, Astric Rausch, and Kenneth Boyd. They are excited to be here in Wichita. All of them started Monday morning in the Sheetmetal class.</p>
Consent agenda	<p>a. <u>WSU Tech BOT Minutes:</u> Recommendation action: Approval of the SCTETA Meeting Minutes for June 21, 208, 2018, were provided to the Board electronically.</p> <p>b. <u>Review and ratification of employment offers: July/August 2018</u></p> <p>Chuck Kauffman, Faculty, Auto Service Technician Chuck got his start in the automotive industry at North Central Kansas Technical School in Beloit, Kansas, where he received a certificate in Automotive Technologies. Chuck has been working on cars for 35 years, most recently with Hatchett Buick GMC in Wichita. He has A.S.E. A-1 through A-8 certifications. <i>Replacement of Staff</i></p> <p>David Grieve, Faculty Aviation Maintenance Technician David joins us with 26 years in the aviation industry specializing in General Aviation business jets. At Textron Aviation he has held the positions of A&P Mechanic, Maintenance Supervisor, Customer Service Engineer, Customer Change Management, Maintenance Engineer, and Customer Service Engineer. David has a pilot's license and an A&P License. He also has a Bachelor's degree in Business Management from Friends University. <i>Replacement of staff</i></p> <p>Josh Lombardi, Director, Business Development Josh is recently retired after 20+ years in the Air Force and is an Aerospace Propulsion Craftman (jet engine mechanic) by trade. He has three years of experience teaching full tear down and build up the F-16 engine. The last five years he has managed over 170 Aircraft Mechanics. Josh attended Embry-Riddle Aeronautical University, earning a BS in Technical Management (Aerospace focused Business Management). He is currently working toward a Master's degree in Organizational Leadership, also from Embry-Riddle. <i>New budgeted position</i></p> <p>Ashtyn Waltrip, High School Admissions Specialist Ashtyn has been working in special education classrooms within elementary schools off and on for the past 8 years. She also coaches gymnastics and cheerleading on the side, and is currently a tumbling coach at ICT Cheer Legacy here in Wichita. Ashtyn has a Bachelor's degree in</p>

General Studies with a focus in Education from Fort Hays State University.

Replacement of staff

Krystal Iseminger, Instructional Technologist

Krystal came from WSU Instructional Design and Access department where she was an Instructional Designer since June of 2017. She has also been an instructor for the English department at WSU for three years, beginning as a Graduate Teaching Assistant and as an adjunct instructor. Krystal earned a MA in English and a BA in Secondary English Education with a double major in English Language and Literature, both from WSU.

New budgeted position

Wylie Reed, Faculty, Aerospace Manufacturing

Wylie started with us part-time in May and quickly transitioned to fulltime status on July 2nd. Wylie worked in the aircraft industry for 13 years, starting at Cessna/Textron in sheet metal assembly and progressing to a Crew Chief-Major Assembly, Structured on The Job Trainer, Value Stream Leader, and Crew Chief-Completions.

New budgeted position

Michael Arredondo, Trainer, Aerospace Manufacturing

Michael has been in the aircraft industry for 25 years, working at Cessna, Spirit, Bombardier, Beechcraft, and some small companies. He has held various positions throughout his career, including Trainer, Crew Chief, and Crew Lead on flight line.

New budgeted position

Todd Snider, Trainer, Aerospace Manufacturing

Todd has extensive knowledge of Aircraft Structural Repairs and Sheet Metal Fabrication. He has worked 10 years as a Sheet Metal Mechanic with Hawker Beechcraft, Spirit Aerosystems (6 years), and Atlas Aerospace. Todd attended Southwestern College in Winfield, KS studying Business Management.

New budgeted position

Clint Cartwright, Lead Faculty Police Science

Clint joins WSU Tech with 10 years of law enforcement experience. He spent over two years as a Police Officer with the Wichita Police Department and most recently worked 7 years with the Haysville Police Department as an Investigation Sergeant. Clint has a Bachelor's degree in Criminal Justice from WSU.

Replacement of Staff

Tiara Davidson, Faculty, EMT

Tiara has been an Adjunct Faculty member since January 2018. She has been in EMS for almost 10 years, most recently with Reno County and Sedgwick County EMS. She has worked in a level 1 trauma center, Pediatric ER and 911. Tara attended First Coast Technical College studying Fire Science, and also attended Florida State College, earning Paramedic and EMT certificates.

New budgeted position

Penny Sciwert, Lead Faculty, Business

Penny started at WSU Tech in January 2018 as an Adjunct faculty member and was just recently offered the Lead Faculty position. She has worked for USD 259 for 4 years and at National American University for 2 ½ years as an instructor for business and mathematics classes. Penny has a Bachelor's degree in Accounting and in Administration from WSU, an MBA from National American University, and a Doctorate in Business Administration from California Intercontinental University.

Replacement of Staff

Erin Paulson, Assistant Registrar

Erin's previous experience has been working in Human Resources with Foley Industries and Prairie View over the last year and a half, an Executive Assistant/Registrar for Berkshire Hathaway PenFed Realty, and as an Assistant Guest Services Coordinator for Eric Fisher Academy. Erin has a Bachelor of Business Administration with emphasis in Human Resources from WSU.

New budgeted position

Julie Crenshaw, Lead Faculty, Math

Julie has over 10 years of teaching math and general education college courses at Hutchinson Community College, Wichita Technical Institute, Full Sail University, and Seminole State College. She earned a Bachelor of Science degree in Mathematics from WSU and a Master of Arts in Math with Community College Teaching Emphasis from University of Central Florida.

Replacement of Staff

Janet Roach, Faculty CNA

Prior to joining WSU Tech, Janet worked for 15 years in long term care, 5 years in hospice care, and taught CNA/CMA classes for Allied Health Career Training. She has a Bachelor of Science in Nursing from Bethel College of Kansas. When not working, Janet enjoys reading, playing with grandkids, and church activities.

Replacement of Staff

Tavis Leake II, Academic Advisor

Tavis comes to WSU Tech with 2 years of experience as a Career Specialist for a non-profit High School program called Jobs for America's Graduates, working at Newton High School. Previous jobs include being a Bank Teller, and Assistant Manager at Sherwin Williams. Tavis has a Bachelor of Science degree in Business Marketing from Sterling College.

Replacement of Staff

Cara Griffiths, Academic Advisor

Cara has been a Paraprofessional Educator at Butler County Special Education for 2 years. Previous jobs include working as a Director of Marketing & Customer Service, a Pharmaceuticals Sales Rep, and an Admissions Recruiter for Friends University. She has a Master of Science degree in Management from Friends University and a Bachelor's degree in Business Administration, also from Friends.

Replacement of Staff

Megan Bayer, Faculty LPN

Megan is a RN with 14 years' experience working for Wesley Medical Center, Sedgwick County Health Department, Via Christi Health, and the Breastfeeding Center of Wichita. She has also been an adjunct faculty for WSU School of Nursing and for WATC in our nursing program. Megan has a Master of Science degree in Nursing from Fort Hays State University, and a Bachelor's in Nursing for WSU.

Replacement of Staff

Sara McNeil, Faculty Allied Health

Sara has been a WSU Tech adjunct faculty member since 2014. She has also been with Wesley Medical Center fulltime since 2014 as a Health Educator. Sara earned a Master of Science degree in Exercise Science from WSU and a Bachelor of Arts in Exercise Science and Bachelor of Education in Exercise Science from WSU. *Replacement of Staff*

Matthew Neal, Faculty Police Science

Matthew has been a Police Officer since 2000. He has held positions of Patrol Officer, Hostage Negotiator, & School Resource Officer (SRO) in Hutchinson, Chief of Police for Halstead, Patrol Sargent for Lyons, and

	<p>for the last 4 years as a SRO for Rose Hill police department. He has a Bachelor's degree in Communications and Sociology from the University of Denver.</p> <p><i>New budgeted position</i></p> <p>Daneen Simoneau, The College Advantage Coordinator Daneen has been involved in education for 24 years as a substitute teacher, Assistant School Psychologist, Learning Difference Paraprofessional, College & Career Coordinator, and Associate Director of College Counseling. Daneen has a Bachelor's degree in Communications (sports emphasis), with a minor in Journalism (broadcasting).</p> <p><i>New budgeted position</i></p> <p>The above consent agenda item(s) were considered and discussed and thereupon on motion of Board member John O'Leary seconded by Michael O'Donnell, the consent agenda item(s) were approved.</p> <p>Motion carried 7-0: Patty Koehler, Justin Welner, Jim Walters, and Meredith Olson noted absent</p>
<p>Reports of Officers</p>	<p>Audit Review – BKD Electronic version was sent out to the Finance Committee for review. Net position increased \$4.0 million during 2018, an improvement of \$1.7 million when compared to an increase in net position of \$2.3 million for the year ended June 30, 2017. The main driver in this favorable performance is the result of enrollment growth.</p> <p>Operating expenses increased \$2.7 million mainly as a result of additional compensation and benefit cost to support the overall growth.</p> <p>The balance sheet shows strengthening as total net position increased due to strong enrollment growth throughout the year.</p> <p>Reviewed the management letter and there is no audit adjustments.</p> <p>The above draft audit was considered and discussed and thereupon on motion of Board member Cindy Hoover seconded by Michael O'Donnell, the Audit was approved.</p> <p>Motion carried 7-0 Patty Koehler, John O'Leary, Doug Stark and Matt Hesse noted absent</p> <p>The Finance Committee did not review July Financials. The statements are in the board packets. July statements look good and not much to report. Any questions, please call Marlo Dolezal.</p> <p>4-23 Contract Approval – Marlo Dolezal We added WSU President and the WSU Tech President with recommendation of the WSU Tech Board of Trustees to the policy. WSU Tech President will inform and review all contracts exceeding \$500K and 5 years with the WSU President and/or WSU Tech Board Chair prior to executing a contract.</p> <p>The above policy, Contract approval was considered and discussed and thereupon on motion of Board member Jim Walters seconded by Pete Meitzner, the policy was approved.</p> <p>Motion carried 7-0 Patty Koehler, John O'Leary, Doug Stark and Matt Hesse noted absent</p> <p>4-24 Cash Reserves Policy – Marlo Dolezal Reviewed and discussed policy. Board questioned why we have a policy regarding cash reserves. The board decided to change the wording of the policy, check with other colleges and defer this policy until the October meeting.</p>

	<p>Alternative Fuel Vehicle Maintenance and Advanced Electronics – Jennifer Seymour</p> <p>Total 63 credits (46 technical studies and 17 general studies) AAS Degree</p> <p>This program will prepare students to apply technical knowledge and skills to the maintenance of alternative fuel vehicles. Instruction will include, electrical vehicles, liquefied petroleum gas vehicles, compressed natural gas vehicles, hybrid fuel technology electrical and electronic systems, engine performance, diagnosis and repair, and conversion/installation.</p> <p>This will fill a need in the industry and put us ahead of the curve. Anticipating class to start next August.</p> <p>The above program was considered and discussed and thereupon on motion of Board member Cindy Hoover seconded by Meredith Olson, the Alternative Fuel Vehicle Maintenance was approved.</p> <p>Motion carried 7-0 Patty Koehler, John O'Leary, Doug Stark and Matt Hesse noted absent</p>
<p>President's Report</p>	<p>Dr. Bardo mentioned this was the smoothest transition of affiliation. Created a new BAS for students to transfer and not lose anything going to WSU.</p> <p>Dr. Bardo appreciates the WSU Tech Board and looking forward to working with them.</p> <p>Wichita Promise MOVE Presentation – Andy McFaydn, Mandy Fouse, Ashley Likes</p> <p>Reviewed the enrollment timeline</p> <p>All students receive an automatic email when they submit information and are contacted via email and or phone within 24-38 hours.</p> <p>Enrolled in Blackboard course to facilitate and track completion of admissions requirements.</p> <p>Once all admissions requirements have been met they will be enrolled and offered the scholarships.</p> <p>In-person orientation occurs at the Waterwalk apartments the Sunday before class start date.</p> <p>Following are start dates:</p> <p>September 10th Aviation Sheetmetal assembly, September 24th Process Mechanic Paint, October 9th Aviation Sheetmetal assembly October 30th Process Mechanic Paint</p> <p>714 Wichita Promise Move Applications</p> <p>Reviewed top 20 states by applications</p> <p>Plans for the future – continue to establish legitimacy of the program through innovative messaging and first person story telling.</p> <p>Enrollment update – Justin Pfelfer</p> <p>Final Census day is next week</p> <p>Overall total unduplicated headcount is 4,074 and overall credit hours are 2,659.</p> <p>Reviewed credit hours by division</p> <p>Wichita Promise total 129 students spent to date \$238,417.00</p> <p>Bylaws of Wichita State University Campus of Applied Sciences and Technology Industry Advisory Board – Sheree Utash</p> <p>The bylaws were reviewed by the WSU Legal counsel and Dr. Bardo</p> <p>The board will still consist of 11 members, each appointed by the President of WSU in consultation with the President of WSU Tech</p>

	The structure of the board stays the same. We will continue to meet every other month and keep minutes of the meetings. The WSU Tech Board of Trustees are an advisory board and no longer a governing board.
Executive Session	Motion for Executive Session - 4:02 (Lyndon Wells/Michael O'Donnell) I move that this Governing Board recess into executive session for 25 minutes to consider personnel matters of non-elected personnel and that the meeting will reconvene to open session no sooner than 5:00 p.m.
Reconvened	At approximately 5:03 p.m., the meeting reconvened into open session. No action was taken in executive session.
Adjournment	At approximately 5:04 p.m., the meeting adjourned


10/18/18
Approved: Signature Dated