

Butler Community College

New Program Proposal
Construction Technology
Associate of Applied Science

February 25th, 2020

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New Program Request Form

CA1

General Information

Institution submitting proposal	Butler Community College
Name, title, phone, and email of person submitting the application <i>(contact person for the approval process)</i>	Lori Winningham, Vice President of Academics 316-322-3110 lwinning@butlercc.edu
Identify the person responsible for oversight of the proposed program	Mel Whiteside, Dean of Science, Technology, Engineering, and Mathematics
Title of proposed program	Construction Technology
Proposed suggested Classification of Instructional Program (CIP) Code	46.0415 (2020)
CIP code description	Building Construction Technology: A program that prepares individuals to apply technical knowledge and skills to residential and commercial building construction and remodeling. Includes instruction in construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.
Standard Occupation Code (SOC) associated to the proposed program (https://www.bls.gov/oes/current/oes_stru.htm)	47-2000
SOC description	Construction Trades Workers:
Number of credits for the degree <u>and</u> all certificates requested	63
Proposed Date of Initiation	August 2020
Specialty program accrediting agency	NCCER (National Center for Construction Education & Research)
Industry certification	NCCER (National Center for Construction Education & Research) 1. NCCER Core (prerequisite) 2. NCCER Carpenter Level I 3. NCCER Construction Technology

Signature of College Official Lori Winningham, Vice President of Academics Date 3/30/20

Signature of KBOR Official _____ Date _____

Section I: Program Description

The proposed program is an AAS in Construction Technology (CIP 46.0415). A program which prepares students to apply technical knowledge and skills to residential and commercial building construction and remodeling. This includes instruction in construction equipment and safety; site preparation and layout; construction estimating; blueprint reading; building codes; framing; masonry; heating, ventilation, and air conditioning; electrical and mechanical systems; interior and exterior finishing; and plumbing.

- **Catalog Description**

Students in the Construction Technology program will be prepared for a career in construction by engaging in relevant and generalized content in the following areas: Plumbing, HVAC, Masonry, Electrical, Cabinet making, Building systems, Flooring, Carpentry, and general craft skills. This program is ideal for those looking to begin their construction career as an entry level craft professional, general laborer seeking to increase their technical capabilities, or a student considering a generalized program to pursue further study in a specified construction process or application.

- **Program Objectives**

- I. Objectives for students

- A. Gain general skills and proficiency in the following areas

1. OSHA standards, procedures, and policies
 2. Construction safety practices
 3. Construction mathematics
 - a. Measurements
 - b. Basic geometry
 - c. Basic trigonometry
 4. Use and care of power tools
 5. Read and interpret blueprints and site documents
 6. Carpentry
 7. Floor systems
 8. Framing
 - a. Windows
 - b. Doors
 - c. Walls
 9. Roof deck preparation
 10. Installing and care of exterior finishing materials
 11. Selection, construction and installation of cabinets, bookcases, and furniture
 12. Electrical hazards and safety
 13. National Electrical Code policies
 14. Masonry materials and techniques to work with those materials
 15. HVAC care and installation
 16. Plumbing maintenance
 17. Management
 - a. Organization
 - b. Communication
 - c. Safety
 - d. Project Scheduling

- B. Participate in student leadership opportunities

1. Evidenced by
 - a. Participation in the Construction Technology program
 - b. Respectful interaction with peers in the program
 - c. Respectful interaction with instructors and industry professionals.
 - C. Develop connections with employers
 1. Evidenced by
 - a. Internships and job placements
 - b. Job shadows and work site visits
 - c. Attendance at Butler construction conferences, seminars, and special events
 - d. Attendance at outside construction conferences, seminars, and special events
- II. Objectives for the program
- A. Maintain up to date curriculum
 1. Evidenced by
 - a. Advisory Board meetings and surveys
 - b. NCCER guidelines
 - c. CaTERS program completer curriculum surveys
 - d. CaTERS employer surveys
 - B. Build relationships with the local construction industry
 1. Evidenced by:
 - a. Participation in local committees, boards, and organizations
 - b. Measure Advisory Board participation
 - C. Maintain Outside Accreditation
 1. Evidenced by
 - a. NCCER accreditation
 - b. NCCER Instructor certification
 - c. NCCER student certification
 - D. Assess student learning
 1. Evidenced by
 - a. Major Summative Assessment Tasks
 - b. Success rates
 - E. Monitor student satisfaction
 1. Evidenced by
 - a. CaTERS program completer preparedness surveys
 - b. Retention rates
 - F. Monitor employer satisfaction
 1. Evidenced by
 - a. CaTERS program completer curriculum surveys
 - G. Monitor instructor satisfaction
 1. Evidenced by
 - a. Adjunct surveys

- Admission Requirements

Program admission follows Butler Community College procedure on admissions.

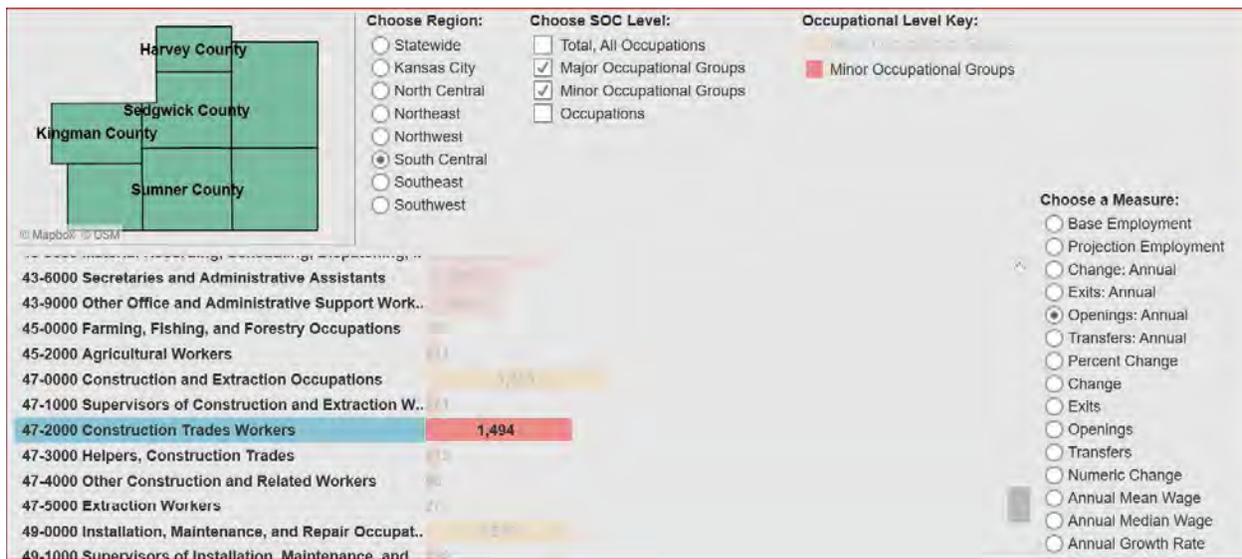
- Complete the Application for Admission
- Submit official transcripts from each institution for prior coursework to be used toward a degree program.

- Placement Test Requirements: Degree seeking students and those enrolling in math or English courses must meet placement test requirements (ACT/SAT scores taken within last 3 years, Butler placement test, Accuplacer test, or college transcripts showing completion of course prerequisites)
- Submit proof indicating proper residence classification for tuition costs.
- Graduation Requirement
 - Minimum 2.0 GPA at Butler Community College
 - Attain a grade of C or better in all required courses
 - Complete a Butler Community College degree application form

Section II: Demand for the Program

- KDOL Long-Term Occupational Outlook

According to the 2019 South Central Kansas High Demand Occupations data, the construction industry is projected to continue in its current boom cycle. According to The Department of Labor Kansas Occupational Projections from 2016 – 2026, KDOL projects 5,847 annual job openings statewide for Construction Trades Workers (SOC 47-2000). Breaking the projection down by region, 1,494 of these annual job openings are for South Central Kansas with an annual mean wage of \$38,610, while 386 annual openings are projected for Southeast Kansas with an annual mean wage of \$39,240 (<https://klic.dol.ks.gov/gsipub/index.asp?docid=743>).



Kansas Department of Labor: Construction Trades Workers, Occupation Employment and Wage Data (<https://klic.dol.ks.gov/gsipub/index.asp?docid=743>)

EMSI, Q4 data from November, 2019, shows growth from 2019-2024 in target construction occupations such as Cement Masons and Concrete Finishers with a growth of 6.55%; Pipelayers 5.2%; and Insulation workers 4.11%. Within the general region of Butler Community College (defined by the following counties: Butler, Chase, Cowley, Greenwood, Harper, Kingman, Marion, Morris, Sedgwick, Morris, and Sumner) other technical or community colleges offering a Construction Technology degree or pathway do not exist.

- Demand from Local Community

Demand from industry leaders for graduates of the proposed program is high. Many industry leaders project much higher job demands than those reported in official labor trends; changes in federal programs focusing on infrastructure improvements could have dramatic and positive employment consequences for this industry. Difficulty in finding quality labor has presented local industry leaders with challenges to recruitment, even going so far to recruit from outside the South-Central Kansas region. Regional demand is very high. Further, this program provides capable and skilled residents of South-Central Kansas new opportunities and careers so that they will remain in the geographic region; and contribute to the further development and tax base of our local economy. Letters of support - See **Appendix I.**

- Business/Industry Partnerships

Butler Community College strives to add numerous possibilities and partnerships which will improve the program for both students and faculty. Several companies have expressed a strong interest in investing and supporting Butler's Construction Technology program through in-kind donations, internships, and assisting students with job placement. These companies include, but are not limited to, Association of General Contractors, (AGC), Beran Concrete, Simpson Construction, Hutton Construction, and Wildcat Construction. Further, Butler plans to develop 2+2 agreements with four-year institutions in the state, such as Kansas State University, Fort Hays State University, and Pittsburgh State University, offering similar degree pathways and majors. Likewise, Butler seeks to work with industry partners to develop robust internship, job-shadowing, and work site visitation opportunities for students. By building on our existing relationships we hope to include our partners in these educational opportunities, thereby providing and facilitating training that will help meet specific needs for the industry in our region.

Section III: Duplication of Existing Programs

- Similar Programs in K-TIP

Within the South Central and Southeastern regions, WSUTech offers AAS and certificate options in Construction Science with a focus on carpentry, while Hutchinson Community College offers AAS and certificate options in Construction with a residential focus. At this time, Cowley Community College does not offer any carpentry or construction related programs. Within the general region of Butler Community College (defined by the following counties: Butler, Chase, Cowley, Greenwood, Harper, Kingman, Marion, Morris, Sedgwick, Morris, and Sumner) other technical and community colleges are not offering a broad based program focused on Construction Technology.

- Collaboration with Similar Programs

Butler plans to collaborate with regional high schools which include Andover High School, Douglas High School, Wichita's Bishop Carroll and additional conversations are taking place with Rose Hill High School to add a Construction Technology Academy beginning Fall 2021. Currently, Butler has not had conversations with other community or technical colleges within the region who offer similar programs. However, we will initiate those conversations of our higher education colleagues, such as Hutchinson Community College and WSUTech. These conversations would include potential project collaboration with industry partners, high school program placement, assisting high schools with

construction program start up, and partnering with regional contractors with student internships and employment opportunities. Unlike Butler's Construction Technology program which is more broadly focused, our regional partners primary program focus is carpentry.

Section IV: Program Information

- Program Courses

BA104. Computer Concepts and Applications. 3 hours credit. Prerequisite: The student must have a typing speed of at least 20 words per minute (a pretest will be given). This course will enable the student to use the Windows operating system and Microsoft Office applications, including word processing, spreadsheet, database, and presentation graphics. The student will build technology literacy skills by practicing essential computer concepts.

BA 109. Entrepreneurship. 3 hours credit. This course will enable the student to gain an understanding of the issues and strategies involved in starting and managing a small business. The student will go through the steps required to develop a business plan including marketing, organizing, financing, controlling, and managing risk.

CN 101. OSHA 10hr – Construction Industry. 1 credit hour. This course will enable the student to gain critical knowledge regarding OSHA policies, procedures, and standards including general industry safety and health principles. The student will learn the scope and application of the OSHA construction industry standards, with special emphasis placed on those areas that are most hazardous, along with recommended abatement techniques.

CN 102. Craft Fundamentals. 2 hours credit. This course will enable the student to develop skills in basic construction safety practices. The student will develop construction specific communication and employability skills. The student will properly utilize safety practices.

CN 103. Introduction to Craft Skills. 3 hours credit. Prerequisite: CN 101 with a C or better. This course will enable the student to develop basic construction mathematic skills, use basic hand and power tools, and interpret construction drawings. The student will learn how to store and move construction materials in a safe manner. The student will properly utilize proper safety practices.

CN 104. Introduction to Carpentry. 3 hours credit. Prerequisite: CN 103 with a C or better. This course will enable the student to develop basic carpentry skills and knowledge. The student will develop skills in reading building plans, using common construction tools, and selecting building materials. The student will properly utilize safety procedures.

CN 105. Floors and Stairs. 3 hours credit. Prerequisite: CN 104 with a C or better.

This course will enable the student to acquire skills to layout and construct floor systems. The student will focus on techniques for measuring and calculating rise, run, and stairwell openings. The student will properly utilize safety procedures.

CN 107. Ceilings, Walls, and Building Systems. 3 hours credit. Prerequisite: CN 105 with a C or better. This course will enable the student to acquire skills to layout and frame walls, doors, and window openings. The student will study various ceiling, roof, and building envelope systems. The student will properly utilize safety procedures.

CN 200. Roofing and Exteriors. 3 hours credit. Prerequisite: CN 107 with a C or better.

This course will enable the student to acquire skills to properly prepare the roof deck. The student will install roofing and various types of exterior finish materials. The student will learn about equipment commonly used at a construction site. The student will properly utilize safety procedures.

CN 201. Cabinet Making and Installation. 3 hours credit. Prerequisite: CN 107 with a C or better.

This course will enable the student to become proficient in the selection, construction, and installation of high-quality finished products such as cabinets, bookcases, and furniture. The student will properly utilize safety procedures.

CN 202. Introduction to Electrical. 3 hours credit. Prerequisite: CN 107 with a C or better. This course will enable the student to utilize critical information on electrical hazards,

electrical safety standards, and some National Electrical Code (NEC®) requirements for the construction electrical trade. The student will properly utilize safety procedures.

CN 202. Introduction to Electrical. 3 hours credit. Prerequisite: CN 107 with a C or better. This course will enable the student to utilize critical information on electrical hazards, electrical safety standards, and some National Electrical Code (NEC®) requirements for the construction electrical trade. The student will properly utilize safety procedures.

CN 203. Introduction to Masonry. 3 hours credit. Prerequisite: CN 107 with a C or better. This course will enable the student to identify basic masonry materials, tools, techniques, and safety precautions in the construction trade.

CN 204. Introduction to HVAC and Plumbing. 3 hours credit. Prerequisite: CN 107 with a C or better. This course will enable the student to learn about the job duties of an HVAC technician and the fundamentals of working in the plumbing construction trade. The student will properly utilize safety practices.

CN 205. Construction Management. 3 hours credit. Prerequisite: CN 107 with a C or better. This course will enable the student to acquire skills needed to become an effective leader. The student will learn about workforce diversity, organization, basic leadership skills, safety, and project scheduling and control. The student will properly utilize safety procedures.

EG 101. English Composition 1. 3 hours credit. Prerequisite: A score at a pre-determined level on a placement instrument, or a C or better in EG 060 and RD 012, or a C or better in EG 060 and concurrent enrollment in RD 012. This course will enable the student to communicate effectively through a variety of writing activities. The student will develop knowledge, skills, and critical thinking ability with regard to writing and reading. The student will recognize the importance of the grammatical and rhetorical structures of language to clear and effective writing. The student will recognize the process of creating documents through regular writing assignments.

FL 107. Beginning Spanish 1. 5 hours credit. This course will enable the student to communicate in Spanish using fundamentals of basic vocabulary and phrases, pronunciation, reading and writing. The student will also define cultural characteristics inherent to the target culture, study the relevance of the target language community as it reflects on the student's own life, and make connections to other disciplines. This course is designed for the student who is *beginning* basic language study and preparing to pursue foreign language credits that fulfill degree requirements.

FL 108. Beginning Spanish 2. 5 hours credit. Prerequisite: FL 107 with a C or better or four traditional academic semesters of Spanish in secondary school. This course will enable the student to communicate using fundamentals of basic vocabulary and phrases, pronunciation, and reading and writing. The student will also define cultural characteristics inherent to the target culture and study the relevance of the target language community as it reflects on the student's own life. This course is designed for the student who is *continuing* basic language study and preparing to pursue foreign language credits that fulfill degree requirements.

IP 193. Internship 1.2. 2 hours credit. The department highly recommends PD 100. The student must secure an internship position related to the student's program of study prior to the first day of class. This course will enable the student to link classroom learning to an applied setting in a work environment. The student will work a minimum of 100 contact hours. The student will intern for a specific period of time, which may serve as a precursor to professional employment.

IP 293. Internship 2.2. 2 hours credit. Prerequisites: IP 192, IP 193, or IP 194 with a C or better and the student must secure a suitable internship position in a related field prior to the first day of class. This course will enable the student to gain additional experience in a work environment and apply classroom learning to the workplace. The student will work a minimum of 100 contact hours. The student will intern for a specific period of time, which may serve as a precursor to professional employment.

MA 114. Technical Mathematics 1. 3 hours credit. Prerequisite: Placement score or MA060 (or MA064, MA065, and MA066) with a C or better or diagnostic credit. This course will enable the student

to directly apply mathematics to several fields of study. The student will solve practical applications of arithmetic, geometry, ratios and proportions, signed numbers, powers, roots and functions.

SP 102. Interpersonal Communication. 3 hours credit. This course will enable the student to: Identify and practice effective interpersonal communication (verbal and nonverbal) techniques. Discuss the role of perception (both of self and others) in interpersonal communication. Identify major barriers to effective listening and how to overcome them. Recognize and practice effective conflict resolution. Recognize thoughts and feelings and be able to express them appropriately.

- Proposed program including multiple criteria (pulled from Mass Comm-Journalism)

The Construction Technology program has no multiple curricula. All students will be required to take identical courses, although they will have some options regarding general education courses.

- Program of Study/Degree plan – See Appendix II
- List any pertinent program accreditation available- In order to issue the NCCER Credentials, the school must be an NCCER Accredited Training & Education Facility (ATEF). This accreditation is through NCCER and must be endorsed and overseen by an industry organization. AGC of Kansas would be the Sponsor and oversight for this Accreditation, the only cost would be a \$50 application fee. The instructor must also be NCCER certified to teach and credential students, AGC of Kansas would also assist in this. Butler is currently in the process; to be completed by July 2020.

The certificates we would have for the program would be

Industry Credentials

OSHA 10hr - Construction Industry

NCCER Core

NCCER Carpentry Level 1

NCCER Construction Technology

Section V: Faculty

- Faculty Qualifications

All faculty must comply with the Higher Learning Commission qualified standards. Faculty teaching in career and technical education college-level certificate and occupational associate's degree programs should hold a bachelor's degree in the field and/or a combination of education, training and tested experience. Such qualifications are allowable even in instances where technical/occupational courses transfer, which HLC recognizes is an increasing practice. While it is preferred that faculty have a bachelor's degree and a minimum of two years or 4,160 hours of construction experience (including internship hours), faculty with an associate degree and five years or 10,400 hours of construction experience will be considered, or no degree with 10 years (20,800 hours) of construction experience.

All General Education courses will be taught by faculty following HLC guidelines as outlined in the faculty handbook. Faculty teaching transfer courses must hold an approved graduate degree from an institution which has been accredited by an agency approved by the Council for Higher Education Accreditation. Faculty must have thirty (30) hours of relevant substantial study, including at least eighteen (18) semester hours in the teaching academic discipline. Faculty teaching courses in career and technical programs must hold a graduate degree and/or possess equivalent occupational technical experience appropriate to the courses they are teaching.

Section VI: Cost and Fund for Proposed Program

Detailed Budget Narrative

- Faculty Funding

The first three years of the CT program will involve one Butler funded full-time (FT) Construction Technology faculty member. This will be paid for by transferring funds from another FT faculty member expected to retire June 01, 2020, thereby allowing Butler to reallocate funding and foregoing the request of additional funding from our Board of Trustees (BOT) for this position. Year two FT instructor salary = \$50,916; year two adjunct pay = \$5,958 (Three, 3 credit hr. classes X \$662/cr. hr.). Adjunct faculty pay will be paid from Butler's General Fund. An annual pay increase of 2% is included for FT and PT faculty pay adjustments.

- Facility Costs

Butler is in the process of building a new facility on its Butler of Andover campus which will house our Engineering Technology and Construction Technology programs. This facility is funded through a combination of certificates of participation (COP) and General Fund reserves. The COPs will be repaid from the General Fund. The main sources of revenue for the General Fund are Student Tuition and Fees, State Aid, and Local Taxes. An anticipated cost of \$5,000 will be utilized to modify the ventilation system for saw dust emission and removal. Continuing evaluation of the space for other technical, material, and safety needs will take place once the facility is built and in use.

- Student Fees

It is anticipated that various industry partners will contribute to the new CT program with in-kind and monetary donations, though, this alone will not cover the total ongoing expenses necessary to fund equipment and supply the program. Butler will minimize the financial burden on students and other stakeholders; however, program specific fees are a necessary component to cover costs of equipment maintenance, supplies, future equipment replacement, etc. Butler will begin by assessing a \$25 per credit hour fee on each Construction Technology specific course. Following year one of the program, the advisory committee and Butler administration will assess this fee and make further recommendations. With forecasted first year enrollment of 10 full-time (enrolled in 15 credit hours per semester) and 10 part-time (enrolled in 6 credit hours per semester) students, forecasts show \$10,500 in program fee revenue for the 2020-2021 academic year.

- Equipment and Supplies

Though there have been price increase trends on many items over the past year (e.g., fuel and medical), the Bureau of Labor and Statics (BLS) January 14, 2020 report states, "from 2018 to 2019, consumer prices for *all items* rose 2.3 percent." This follows an increase of 1.9 percent from 2017-2018 and 2.1 percent from 2016-2017. Because economists and analysts predict this trend continuing through 2020-2021, a 2.1 percent annual increase was taken into consideration in calculating future costs for equipment and supplies (Source: Bureau of Labor Statistics, U.S. Department of Labor, *The Economics Daily*, Consumer Price Index: 2019 in review on the Internet at <https://www.bls.gov/opub/ted/2020/consumer-price-index-2019-in-review.htm> (visited February 07, 2020)).

- CA-1a form – See Appendix III

- Outside Funding Sources

Currently, no outside funding has been procured; however, additional in-kind and monetary donations are anticipated by industry partners, and other outside donations from the construction industry. Additionally, if needed, funding will be considered through Carl Perkins's and other CTE specific grants.

Section VII: Program Review and Assessment

- Program Review Cycle

The program review will adhere to the established Butler Community College's procedure for program assessment. An in-depth review of the program will be completed, with data and outcomes reviews by

the faculty, department chair, Dean for STEM and CTE This data includes enrollment demographics, program retention, student success rates, job placement, and wages.

In addition to the regular review process, the program will be reviewed by the department chair and faculty on a semester by semester basis. This will allow any unforeseen problems associated with outcomes and/or leaning units to be addressed, so the program can evolve.

- **PROVIDE**

The Academic Program Viability system in place at Butler Community College is based upon the IMPROVE model (**I**ndex to **M**easure **P**rogram **V**iability and **E**ffectiveness). This process assesses goal is to assure that the College’s resources are used in response to the College’s Mission, it’s Strategic Master Plan, the needs of students, and the requirements of the community it serves. The framework of the review of program clusters is based upon five metrics. These metrics include Community Stake, Market Outlook, Mission Compatibility, Performance and Resourcing/Revenue/Costs. A weighted score is determined for each program cluster by a broad-based cross-functional PROVIDE committee (Program Viability Determination) so that recommendations pertaining to the viability of the program can be reported to inform program decisions. Each program cluster score falls into one of four possible outcomes:

1. Program Discontinuation (termination of the program) IMPROVE score of 50 or less
2. Program Modification (structural changes to the program) IMPROVE score of 51-60
3. Status Quo (no significant changes to the program) IMPROVE score of 61-80
4. Program Initiation (recommendation for program expansion) IMPROVE score of above 80

Each program cluster will be reviewed on a 3-year rotation. As with any new program, the initial review by the PROVIDE committee will happen in the third year of operations.

In addition, as part of the budget development process, each program is expected to conduct a program review analysis as needs are identified and move forward in the budgeting process. This annual program review is intended to identify departmental goals, identify needed resources and establish a timeline for program modifications. These are reviewed by the program division dean, then submitted up to the Vice President of Academics, and then on to the Executive Council for resource allocation/reallocation.

Section VIII: Program Approval at the Institutional Level

- **Program Advisory Committee – For Advisory minutes – See Appendix IV**

The Butler Construction Technology Committee is the program advisory committee for the AS Construction Technology program. Member of the Committee and their affiliations:

CHAIR: James McNaul (Beran Concrete)	Kevin Stanfield (Stanfield Roofing)
VICE-CHAIR: Craig Lofton (Alloy Architecture)	Aaron Stevens (Belford Electric)
SECRETARY: Tyler Dehn (Wildcat Construction)	Vince Haines (Gravity Works Architects)
Randal Chickadonz (Superintendent Rose Hill)	Jared Simpson (Simpson Construction)
Larry Walty (Larry Walty Roofing)	Cloys Bayless (AGC of Kansas)

- **Curriculum Committee**

The Butler Community College Faculty Curriculum Team examines, recommends and approves all courses; it does not examine nor approve degree programs. Approved courses reflected in the attached pathway have been reviewed/approved by the division dean and the Vice President of Academics prior to final review/approval from our Board of Trustees.

- **Governing Board**

The Butler Community College Board of Trustees are the governing board for the institution. Members of the Board and their positions. Butler Board of Trustee minutes - **See Appendix V**

Jim Howell – Chair	Forrest Rhodes
Lance Lechtenberg – Vice Chair	Shelby Smith
Doug Law – Secretary/Treasurer	Julie Winslow
Mary Martha Good	

Appendix I: Letters of Support



3/25/2020

Butler Community College
901 S Haverhill Rd.
El Dorado, Ks 67042

To Whom it May Concern

Beran Concrete would like to extend this letter of support for Butler Community College and the proposed Construction Tech Program. The construction industry in our area has struggled for years to find individuals who could help our organizations maintain and grow year over year. We here at Beran are excited to be apart and support a program like this. We look forward to ingraining in the culture of the program through internships, education, and scholarships.

The curriculum discussed and introduced at the advisory meetings have us thrilled about the future of this program and future graduates. Getting students in the program and excited about the construction industry will have vast effects on the communities in which they choose to live. These students will build the future infrastructures these communities need to continue to grow and prosper.

We feel that through continued support of the Butler Community College Construction Tech Program we will be able to help employers like us get qualified applicates needed to help our businesses operate year over year. So excited about the future of the program should you have any questions, please reach out would love to talk about the program and its future

Best Regards,

A handwritten signature in blue ink, appearing to read "J. McNaul", is written over a light blue circular stamp.

James McNaul
Executive Vice President
Beran Concrete Inc.



3/27/20

Butler Community College
901 S. Haverhill Road
El Dorado, KS 67042

To Whom It May Concern:

Hutton Corporation is excited to see the proposed Construction Tech Program at Butler Community College and the Rose Hill High School campus. Our industry offers several very rewarding careers, but needs more educational programs to point students in that direction. We are willing to partnering with these schools to provide internships, tools and supplies to the program, and will also be willing to provide support to the classrooms.

We are very excited about the future of this program, and would be happy to talk more about how we can be of support.

Sincerely,

Hutton Corporation

A handwritten signature in blue ink, appearing to read 'Ryan Rowley', enclosed within a blue circular scribble.

Ryan Rowley

Team Leader

LEAD. INSPIRE. RESPECT. CONSTRUCT.

WICHITA, KANSAS • 316.942.8855 • HUTTONBUILDS.COM



Dear Kansas Board of Regents:

On behalf of Simpson Construction Services, we ask you to consider a Construction Technology degree to be incorporated into the Butler Community College curriculum. As a commercial construction company, we see firsthand the great importance this degree will have on its students and the economy. The construction industry is one of the fastest growing industries in the nation. To keep up with the demand, offering this degree would establish a great foundation for Butler students interested in the construction field.

Butler Community College has many great programs they take a step further than in the classroom. In addition to the educational piece, they have incorporated internships, mentor programs and much more to create a well-rounded individual ready for the workforce. I believe this will be no different. Simpson Construction would fully support this initiative and would anticipate our involvement through internships, scholarships, offering supplies and much more.

The implementation of this degree will bring great value to these students and to the college and make a significant impact on their lives and the community we love and cherish.

Sincerely,

Jared Simpson

Executive Vice President
Simpson Construction Services
jsimpson@simpsonconst.com

567 West Douglas, Wichita KS 67213 . T: 316-942-3206 . F: 316-942-1298
www.simpsonconst.com



Wildcat Construction Co., Inc.

P.O. Box 9163 • Wichita, KS 67277
3219 W. May St. • Wichita, KS 67213
(316) 945-9408 • Fax (316) 942-4012
www.wildcatcompanies.com

WILDCAT
construction

An Equal Opportunity Employer

Colorado Office

540 E. Cimarron St.
Colorado Springs, CO 80903
(719) 550-1008 • Fax (719) 550-2003

March 25, 2020

Dear Kansas Board of Regents:

On behalf of Wildcat Construction Co., Inc., we fully support the creation of a Construction Technology degree at Butler Community College. As an active business within this field, we see the benefit of this program for Butler County, Wichita, and the surrounding region.

I am confident not only our company, but others in the area, will support this program. On a regular basis, we see firsthand the need for quality and skilled labor. Wildcat not only has challenges hiring skilled and unskilled labor; once we get employees hired, then it is often problematic to train and then retain them.

We also stand ready to provide additional support such as donations/sponsorships, equipment, materials, and construction career presentations, as well as shadowing, internships and full-time job placement opportunities.

Butler has a track record of other successful endeavors for career training, education, and preparedness, and we are confident it can provide a construction program to help meet the needs in this industry. A program like this will not only train students but provide them access to develop relationships and mentors in the field.

Sincerely,



Roger McClellan
President

January 10, 2020

Kansas Board of Regents
1000 SW Jackson Street, Suite 520
Topeka, KS 66612-1368

Dear Kansas Board of Regents:

On behalf of Alloy Architecture, we are sending this letter to express our support of the creation of a Construction Technology degree at Butler Community College. As an active business, within the general field of Design and Construction, we most assuredly see the benefit of this program for Butler County, Sedgwick County, the city of Wichita and the surrounding region. Over the last decade or so, the lack of skilled labor has become very evident as we perform Construction Administration services on the projects we have designed, so we see this program as a way to encourage our local young people see the career possibilities in the construction industry.

We are confident that not only our company, but others in the area will energetically support this program. The need for quality skilled labor is enormous, and Butler Community College has a fantastic opportunity to provide a program to help meet these demands. Likewise, a program like this will not only train students but provide them access to companies in the construction industry that will allow them to develop relationships and connect with potential mentors. Butler Community College has a proven track record of other such successful endeavors for career training, education and preparedness and we at Alloy Architecture are confident that this will be yet another successful program.

Sincerely,



Craig W. Lofton, AIA
Principal, Alloy Architecture





3/27/2020

Butler Community College
901 S. Haverhill Rd.
El Dorado, Ks 67042

To Whom it May Concern

Belford Electric would like to extend this letter of support for Butler Community College and the proposed Construction Tech Program. We think that education programs that can introduce people to the construction industry are a necessity in our current day and age. We plan on being a supportive partner in this venture.

The scope of the defined course has the potential to excite students and lead them to a career in the construction industry. Which is a difficulty in our current market. The construction industry is a multi-faceted industry that has the potential to encompass a wide variety of people with good paying careers. We need programs such as this to introduce these people to the many options that are available.

We feel that by supporting the Butler Community College Construction Tech Program that a mutually beneficial partnership can be developed to increase the number of qualified applicants entering the construction work force. We are very excited for the launch of this program and can't wait to see what this program can produce for the local communities.

Best Regards,

Aaron Stevens
Aaron Stevens
Project Manager
Belford Electric Inc.



Rose Hill Schools

Superintendent Randal Chickadonz

Unified School District 394
104 North Rose Hill Road
Rose Hill, Kansas 67133-9785

January 2020

Dear Committee Members

This letter is to serve as my endorsement of the Construction Technology Associate of Applied Science degree at Butler Community College.

As a public school partner with Butler Community College, their long-standing approach to career program offerings are a documented success. Butler Community College's work to develop programs that meet the areas' career opportunity needs has encouraged and maintained a high student enrollment in those programs. The career fields of construction and trades have shown to have very high need and employment opportunities for our area. I have agreed to support this program in an advisory capacity to make sure students receive a high quality educational experience that will serve them well.

Thank you for your consideration of the Construction Technology Associate of Applied Science degree at Butler Community College.

Randal Chickadonz
Superintendent of Schools
Rose Hill School District USD 394

<http://www.usd394.com>
Quality in Education Since 1909

Office: 316 776-3300

Fax: 316 776-3309

**Appendix II: Plan of Study (Pathway)
Construction Technology, AAS**

Fall Semester- Year 1					
Course	Course Name	Clock Hrs	Credit Hrs	Day	Time
101	OSHA 10hr – Construction Industry	16	1		
102	Craft Fundamentals	26	2		
103	Intro to Craft Skills	46	3		
104	Intro to Carpentry	48	3		
105	Floors and Stairs	38	3		
BA104	Computer Concepts and Applications	45	3		
MA 114	Technical Mathematics 1	45	3		
Total Credit Hours			18		

Spring Semester - Year 1					
Course	Course Name	Clock Hrs	Credit Hrs	Day	Time
107	Ceiling, Walls and Building Systems	46	3		
200	Roofing and Exteriors	47	3		
201	Cabinet Making and Installation	44	3		
202	Intro to Electrical	30	2		
SP102	Interpersonal Communication	45	3		
Total Credit Hours			14		

Summer Semester - Year 1					
Course	Course Name	Clock Hrs	Credit Hrs	Day	Time
IP 193	Internship 1.2	32	2		
IP 293	Internship 2.2	32	2		
Total Credit Hours			4		

Fall Semester - Year 2					
Course	Course Name	Clock Hrs	Credit Hrs	Day	Time
203	Intro to Masonry	76	5		
EG101	English Composition	45	3		
FL 107	Beginning Spanish 1	75	5		
Total Credit Hours			13		

Spring Semester - Year 2					
Course	Course Name	Clock Hrs	Credit Hrs	Day	Time
204	Intro to HVAC & Plumbing	44	3		
205	Construction Management	45	3		
FL108	Beginning Spanish 2	75	5		
BA109	Entrepreneurship	45	3		
Total Credit Hours			14		

Total Degree Pathway Credit Hours

63

Appendix III
KBOR Fiscal Summary for Proposed Academic Program
 CA-1a Form (2018)

Institution: Butler Community College
 Proposed Program: Construction Technology (AAS)

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	\$48,917	\$0.00	Existing GOF
Part-time/Adjunct	3	\$5,841	\$0.00	Existing GOF
		Amount	Funding Source	
B. Equipment required for program		\$5,000	Existing General Operating Fund	
C. Tools and/or supplies required for the program		\$23,000	Existing General Operating Fund	
D. Instructional Supplies and Materials		\$7,000	Existing General Operating Fund	
E. Facility requirements, including facility modifications and/or classroom renovations		\$5,000	Existing General Operating Fund	
F. Technology and/or Software		\$2,500	Existing General Operating Fund	
G. Other: Recruiting and Travel		\$1,500	Existing General Operating Fund	
H. Other: Professional Dues and Subscriptions		\$500	Existing General Operating Fund	
Total For Implementation Year		\$99,258	Existing General Operating Fund	

KBOR Fiscal Summary for Proposed Academic Programs
CA-1a Form (2018)

Institution: Butler Community College
Proposed Program: Construction Technology (AAS)

PROGRAM SUSTAINABILITY COSTS (Second and Third Years)

Part I. Program Enrollment		Second and Third Years		
Please state how many students/credit hours are expected during the first two years of the program?				
		Full-Time	Part-Time	
A. Headcount:		10	10	
Part II. Ongoing Program Costs		Second and Third Years		
A. Faculty		Existing:	New:	Funding Source:
Full-time	1	\$102,850	\$0.00	Existing GOF
Part-time	3	\$12,035	\$0.00	Existing GOF
		Amount	Funding Source	
B. Equipment required for program		\$10,000	Existing General Operating Fund	
C. Tools and/or supplies required for the program		\$8,080	Existing General Operating Fund	
D. Instructional Supplies and Materials		\$14,147	Existing General Operating Fund	
E. Facility requirements, including facility modifications and/or classroom renovations		\$10,000	Existing General Operating Fund	
F. Technology and/or Software		\$5,053	Existing General Operating Fund	
G. Other: Recruiting and Travel		\$3,032	Existing General Operating Fund	
H. Other: Professional Dues and Subscriptions		\$1,011	Existing General Operating Fund	
Total For Program Sustainability		\$146,208	Existing General Operating Fund	

Please indicate any additional support and/or funding for the proposed program: As described in Section VI, Detailed Budget Narrative, we are forecasting \$10,500 in student fee revenue for 2020-2021; thereafter, student fees will be reviewed by Butler administration and the Construction Technology advisory committee.

Appendix IV
Minutes from Program Advisory Committee Meetings



- Let's Take Tomorrow -

BUTLER COMMUNITY COLLEGE
Construction Technology
Program Advisory Committee Meeting

MINUTES OF MEETING
November 19th, 2019 5:30 – 7:30

ATTENDED

Donnie Featherston (Associate Dean Early College Academies – took minutes); Craig Lofton (Alloy Architects); Randal Chickadonz (Superintendent Rose Hill); Larry Walty (Larry Walty Roofing); James McNaul (Berean Concrete); Tyler Dehn (Wildcat Construction); Kevin Stanfield+1 (Stanfield Roofing); Mel Whiteside (Dean STEM and CTE Butler Community College); Aaron Stevens (Belford Electric); Vince Haines (Gravity Works Architecture); Tiffani Price (Associate Dean STEM and CTE Butler Community College); Jared Simpson (Simpson Construction); Cloys Bayless (AGC of Kansas); Michelle Ruder (Director of BETA Butler Community College); Heather Rinkenbaugh (Dean of Online, High School and Adult Learning Butler Community College); Lorin Winningham (VPA Butler Community College), Tom Borrego (Foundation Director Butler Community College)

CALL TO ORDER

The meeting was called to order by Lori Winningham. Lori welcomed the group and thanked them for their support in meeting the mission of Butler Community College. Introduced the goal of the project, a Construction Technology degree at Butler Community College, emphasizing the importance the need for input from local businesses and the establishment of an advisory committee.

APPROVAL OF PREVIOUS MINUTES

There was no previous minutes, as this was the first meeting.

NEW BUSINESS

Mel Whiteside (Dean STEM and CTE for Butler Community College) introduced the overall goal and objectives of the program. Introduced timeline goal of Fall of 2020 for Butler in general and Fall 2021 for the Early College Academy. Mel talked briefly about the KBOR requirements for approval, need for letters of support, and forecast labor data.

Michelle Ruder – Director BETA Butler Community College) She provided a general outline of the program, timeline for completion (4 semesters and summer). Gave indication that the math portions of the degree would be rolled into individual courses. She also provided some justification for the general education requirements and the classes we have chosen at this point: State and Local Government/Business and Entrepreneurship/Speech. Closed with a call to give input and help with a robust internship program as part of the degree requirement.

Question from Tyler Dehn (Wildcat Construction): Will the degree only be an AS or will there will be certifications throughout?

Michelle responded that this question naturally would fit into Cloys' presentation.

Cloys Bayless (AGC of Kansas): Provided a brief history and explanation of NCCER, and that the courses would follow guidelines based in NCCER curriculum. Discussed planned certifications within the program, Lori Winningham (Butler Community College) asked for specific clarifications on what certificates would be available. Cloys responded with the following certificates: Carpentry Level 1, Fundamentals, and Masonry. Moved from here to question for input, explained the current program was designed widely with a lot of different education included, at the cost of depth with specific trade (used Masonry as an example, the certificate was just the start, but the student could go much deeper into study).

Larry Walty (Walty Roofing): Is the program designed for general labor or more specific leadership and managerial positions?

Cloys: Both, some discussion about potential 2+2 agreements with college or getting labor in the field faster with just the associates and certification.

General discussion about "soft skills" needed for those doing the hiring. Donnie Featherston (Butler Community College) explained the unique capabilities of Butler to meet those needs with the current PD classes and how they are designed.

Tyler Dehn (Wildcat Construction): Expressed importance of internships being worked into the program. Gave information about his own experiences and his desire to see internships play an integral role in the overall program. This resulted in some discussion about the ages at which people can start internship programs.

Donnie Featherston (Butler Community College) presented first on the timeline and the process of getting approval through both Butler at large, and KBOR. Emphasizing the dates of Fall 2020 for Butler of El Dorado and Fall 2021 for Rose Hill Early College Academy. Also gave some information on Early College Academies, emphasizing the way in which we can get students interested in construction as a career earlier (per a previous concern of Tyler Dehn).

Randal Chickadonz (Superintendent of Rose Hill): Provided personal history and history of Rose Hill and the partnership with Butler with the Early College Academies. Randal provided context for understanding the ECA's over and against traditional education. "Academies are more than just taking a few classes, but having a well-rounded individual. If you simply want labor I have 500 kids in the HS. If you want qualified skilled workers who will be persistent, who are able to fulfill the specific industry needs you have. That is where Academies can come in." In this way Randal indicated the Academies are specifically designed around industry needs and this would be the same with the Construction Technology degree.

Tom Berrego (Foundation Director Butler Community College): Gave information on how businesses can be involved, make donations of time or equipment, or establish scholarships for students in the program. Also emphasized the needs for support from industry to get the program established.

Lori Winningham (VPA Butler Community College): Closing of the meeting, suggested a meeting for middle of January for those interested in continuation of the advisory committee. James McNaul suggested we move the next meeting up to middle of December instead. Final indications that Cloys would take the conversations and work further on course descriptions and plan for December meeting. No specific date was set, call for continuation by email. A sign-up sheet was passed around for those interested in inclusion on email conversations and invite to the December meeting to begin final processes of classes for approval by Butler and KBOR.

REPORTS

No reports given.

ADJOURNMENT

The meeting was adjourned officially at 7:35 PM.

BUTLER COMMUNITY COLLEGE
Construction Technology
Program Advisory Committee Meeting

MINUTES OF MEETING
January 9th, 2020 at 3:00 PM
Bishop Carroll High School

ATTENDED

Donnie Featherston (Associate Dean Early College Academies – took minutes); Craig Lofton (Alloy Architects); Randal Chickadonz (Superintendent Rose Hill); Rob Reynolds (Superintendent Douglass); Larry Walty (Larry Walty Roofing); James McNaul (Beran Concrete); Tyler Dehn (Wildcat Construction); Kevin Stanfield+1 (Stanfield Roofing); Mel Whiteside (Dean STEM and CTE Butler Community College); Aaron Stevens (Belford Electric); Vince Haines (Gravity Works Architecture); Jared Simpson (Simpson Construction); Cloys Bayless (AGC of Kansas)); Heather Rinkenbaugh (Dean of Online, High School and Adult Learning Butler Community College); Lori Winningham (VPA Butler Community College), Al Rohleder (Bishop Carrol High School Construction Teacher)

CALL TO ORDER

The meeting was called to order by Lori Winningham. Lori welcomed the group and thanked them for their support in meeting the mission of Butler Community College. We had a brief introduction from Al Rohleder on the history of the program at Bishop Carrol High School, showing us around their facilities and explaining the process of how they built the program.

NEW BUSINESS

Mel Whiteside (Dean STEM and CTE for Butler Community College) introduced the overall goal and objectives of the program. Began the process of selecting various roles on the advisory committee, and solicited nominations. None were given in the open meeting. Chair, vice-chair and secretary.

Cloys Bayless gave updates on the course outlines and distributed to those present, highlighting changes to language requirements, and explaining how the math would work and be rolled into the courses.

Question regarding surveying. Discussion on learning outside the classroom and development of partnerships for variety of field trips and one site learning opportunities. Some input from Mr. Rohleder on how their partnerships worked to facilitate this.

Distributed Advisory Handbook at Butler to all in attendance. Some discussion about Perkins grant and why it's important for funding programs.

Donnie Featherston (Butler Community College) called for letter of support from those in attendance as part of the KBOR package. Expressed goal of February for internal approval, Curriculum committee and Deans, and sending it to the board of Trustees. Discussion about plan to begin offering courses in Fall 2020.

Mel led a discussion on potential equipment needs and identifying those when course outlines were completed in alliance with course needs. Requested feedback from all present on course outlines over the next few weeks,

by email or phone. Discussed location for housing this program, committee felt Andover would be the best geographic location, rather than El Dorado.

Lori Winningham (VPA Butler Community College): Closing of the meeting, suggested a meeting for middle of February 20th at 4:00 PM. Some discussion on sharing spaces and moving meeting regularly as part of the process.

REPORTS

No reports given.

ADJOURNMENT

The meeting was adjourned officially at 4:25 PM.

BUTLER COMMUNITY COLLEGE
Construction Technology
Program Advisory Committee Meeting

Meeting Minutes
February 20, 2020 at 4PM
AGC Headquarters: 765 E. 2nd St - Wichita;

ANTICIPATED ATTENDANCE:

Tyler Dehn (Wildcat Construction – Committee Secretary); Donnie Featherston (Associate Dean Early College Academies; Randal Chickadonz (Superintendent Rose Hill); Mel Whiteside (Dean STEM and CTE Butler Community College); Larry Weis (Eby Construction); Aaron Stevens (Belford Electric); Jared Simpson (Simpson Construction); Cloys Bayless (AGC of Kansas); Lori Winningham (VPA Butler Community College); Ryan Rawling (Hutton Construction)

CALL TO ORDER

Craig Lofton has volunteered to a Co-Chair – Co-Chair model; however, the state prefers we have a chair and co-chair.

The meeting was called to order by Mel Whiteside.

OLD BUSINESS

Nominations update:

Chair - ? Still looking for volunteers to serve chair or co-chair.

Vice Chair – Craig Lofton, Alloy Architects agreed to serve in co-chair model.

Secretary – Tyler Dehn, Wildcat Construction

Course outline/Curriculum update:

- Mel – We are still working on determining the program CIP (Classification of Instructional Programs) code. Dr. Krull, Butler president, received an email discouraging us to use the Construction Technology CIP (CIP 46.0415). Lori Winningham is looking further into this. We are now looking at 46.0401. Building/Property Maintenance/Management Group doesn't want to use the two codes above, discussion of general 46.000, see below KBOR update on page 2.
- Cloys – tweaked any course work, site visits, surveying, equipment needs, other?
Other-
- Curriculum has been submitted to Butler's curriculum team and reviewed. It now goes to the Deans' Council for final approval.
- Thoughts on partnering with Federal, state and local on infrastructure/public works opportunities to offer a tract to specialize and set the program apart from other trades schools.

Letters of Support update:

- Received from Wildcat Construction
- Craig Lofton, Alloy Architecture

- James McNaul, Beran Concrete
- Randal Chickadonz, Rose Hill School District

Review KBOR program packet

KBOR Submission update:

Technical Education Authority (TEA) first step, having issues with CIP code due to potential issues for tiered funding (technical Carl Perkins grant). Potential alignment with other programs that use similar CIP codes to avoid losing funding or competing with other similar programs (WSU Tech) in the area.

Discussion on funding increasing national level for CTE programs and upcoming Census that will impact funding to specific areas.

Reviewed IPEDS CIP Codes 46.000 – General Construction although the program really fits 46.0415, but worried about funding being cut as a current program using it hasn't been following the outline.

SOC codes, we have several options for it and not as worried, but would like to be generic like CIP.

Use of the name “Construction craft professionals” in program verbiage.

Discussion on remodel at exiting facility in Andover. Use of existing lab space?

NEW BUSINESS

- Mel/Lori/Other?

Lori lead discussion on beefing up the program write up to add more description to the intro and catalog.

Program objectives – need to add learning outcomes first.

Visited on faculty description and education.

Equipment & supplies – add table and potentially stats from AGC or other source. Discussed the cost of student fees and text books for all butler students and to be specific to high school.

Outside Funding sources – donations discussion and will continue after program is approved and running to help save operating funds. Mentioned the Federal level funding opportunities at FHWA or transportation bill related.

Went through the program budget line by line review and made adjustments.

Duplication of existing programs – collaboration with similar programs to add industry partners for companies to do internship/mentoring/job shadowing. Add industry partners for AGC or other professional organizations.

Speak about net migration issues with workers leaving the state of Kansas. Importance of the program and local support for program and hiring.

Suggest next meeting March 25th 4 PM at AGC office.

REPORTS N/A

OPEN DISCUSSION

Open floor for comments or questions from group at large.

ADJOURNMENT

The meeting was adjourned officially at 5:30 PM

Appendix V: Minutes from Governing Board Meeting

- Let's Take Tomorrow -



**BUTLER COMMUNITY COLLEGE
BOARD OF TRUSTEES
MINUTES OF THE REGULAR BOARD MEETING
4:30 p.m., Tuesday, March 10, 2020 – Dankert Board Room**

STAFF ATTENDANCE

Tom Borrego	Kent Williams
Lora Jarvis	Lori Winningham
Amy Kerschner	Bill Young
Kim Krull	Susan Bradley
Esam Mohammad	Heather Rinkenbaugh
Jessica Ohman	Shannon Covert
Bill Rinkenbaugh	Christy Streeter
Terry Sader	Loni Jensen
Kim Sherwood	Lisa Bolin
Kelly Snedden	Phil Speary
Shelley Stultz	Beth Eagleton
Julie Smith	Donnie Featherston
Brian Dye	Hilary Williams
Mel Whiteside	Haylee Dass J
Michael Donovan	Jon Craig
Bekah Lill	Matt Jacobs
Aaron May	Janice Akao
Mark Jarvis	Tevin Manual
Tiffany Rhodes	Rick Nichols
Christina Byram	

BOARD ATTENDANCE

Jim Howell
Julie Winslow
Shelby Smith
Doug Law
Lance Lechtenberg
Forrest Rhodes

Not Present

Mary Martha Good

GUESTS

Christian Lies & Gaby Guzman – SGA Ray
Connell – Legal Counsel
Josh Vogel – Simpson Construction
Vince Haines – Gravity::Works

CALL TO ORDER

Chair Howell called the regular monthly meeting of the Board of Trustees to order at 4:30 p.m.

Approval of Construction Technology Degree Program - At the request of industry, over the past six months, Butler Community College staff have been working to develop a Construction Technology AAS degree. We have had numerous meetings and conversations with various construction companies within Butler and Sedgwick counties. Attached find the proposed Construction Technology AAS degree which we believe will meet the needs of the local construction industry. Companies included in our conversations include, but are not limited to, Simpson Construction (current contractor on the Butler of Andover 5000 building remodel project), Wildcat Construction, Hutton, Eby and others. Additionally, we have also had conversations with Rose Hill High School in starting a Construction Technology High School Academy program to begin in fall 2021. The program curriculum focuses on meeting regional construction industry needs and aligns with the National Center for Construction Education and Research (NCCER) standards.

Trustee Law moved to ratify the Construction Technology associate of applied science degree for the Kansas Board of Regents. Trustee Rhodes seconded. The motion passed with Trustees Smith and Winslow voting against.

Carl D. Perkins Funding Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2020)

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

Program Eligibility

An “eligible recipient” is an eligible institution or consortium of eligible institutions qualified to receive a Perkins allocation.

An “eligible institution” is an institution of higher education that offers CTE programs and will use Perkins funds in support of CTE coursework that leads to technical skill proficiency or a recognized postsecondary credential, including an industry-recognized credential, a certificate, or an associate degree, which does not include a baccalaureate degree.

Any program receiving Perkins funds must be designated as a technical program by KBOR. Definition of a technical program may be found in state statute K.S.A. 72-1802. Criteria adopted by the Board of Regents may be found in their February 20, 2019 meeting packet.

Program Levels:

Educational Award Level	Credit Hours
SAPP	0-15
Certificate A	16-29
Certificate B	30-44
Certificate C	45-59
Associate of Applied Science	60-69

Stand-Alone Parent Programs (SAPPs) must meet the following criteria:

- Minimum of 8 credit hours
- Minimum of 80% tiered credit hours
- Maintain an average of 6 concentrators over the most recent consecutive 2-year period

Certificates and Associate of Applied Science degrees must meet the following criteria:

- Minimum of 51% tiered credit hours
- Maintain an average of 6 concentrators over the most recent consecutive 2-year period
- Comply with Program Alignment – *if applicable*

Carl D. Perkins Funding Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2020)

Name of Institution	Butler Community College
Name, title, phone, and email of person submitting the Perkins Eligibility application (<i>contact person for the approval process</i>)	Lori Winningham, Vice President of Academics 316-322-3110 lwinning@butlercc.edu
Name, title, phone, and email of the Perkins Coordinator	Jaime Goering, Director Resource Development 316-322-3188 jgoering1@butlercc.edu
Program Name	Construction Technology
Program CIP Code	47.0615
Educational award levels <u>and</u> credit hours for the proposed request	Associate of Applied Science (AAS) 63 Credit Hours
Percentage of tiered credit hours for the educational level of this request	Of the 63 required hours, 65% of the credit hours are tiered, 35% are considered non-tiered
Number of concentrators for the educational level	With this program brand new beginning in FA20, no enrollment data is currently available. However, we forecast enrollment for both full-time <i>and</i> part-time students the first year at 20.
Does the program meet program alignment?	Several courses align well with the NCCER curriculum. NCCER Core, NCCER Carpenter Level I and NCCER Construction Technology which contain courses such as OSHA 10 Safety, Intro. to Craft Skills, Carpentry Basics; Floors, Walls & Ceiling; Roof Framing, and Windows, Doors & Stairs.
Justification for conditional approval: (<i>this section must reference information found within the Local Needs Assessment</i>)	Demand from industry leaders for graduates of the proposed program is high. Many industry leaders project much higher job demands than those reported in official labor trends; changes in federal programs focusing on infrastructure improvements could have dramatic and positive employment consequences for this industry. Difficulty in finding quality labor has presented local industry leaders with challenges to recruitment, even going

Carl D. Perkins Funding Eligibility Request Form

Strengthening Career and Technical Education for the 21st Century Act

CA-1c Form (2020)

	so far to recruit from outside the South-Central Kansas region. Regional demand is very high. Further, this program provides capable and skilled residents of South-Central Kansas new opportunities and careers so that they will remain in the geographic region; and contribute to the further development and tax base of our local economy.
--	--

Signature of College Official Lori Winningham, Vice President of Academics Date April 2, 2020

Signature of KBOR Official _____ Date _____