KANSAS BOARD OF REGENTS
COUNCIL OF CHIEF ACADEMIC OFFICERS

VIRTUAL MEETING AGENDA
Wednesday, June 14, 2023
9:00 a.m. – 10:00 a.m.
or upon adjournment of SCOCAO

The Council of Chief Academic Officers (COCAO) will meet virtually via Zoom. An in-person option will be available at the Curtis State Office Building at 1000 SW Jackson, Suite 530, Topeka, Kansas, 66612. Meeting information will be sent to participants via email, or you may contact arobinson@ksbor.org.

I.	**Call to Order**	Barbara Bichelmeyer, Chair	
	A. Roll Call & Introductions		
	B. Approve Minutes from May 17, 2023		p. 4
II.	**Council of Faculty Senate Presidents Update**	Victor Gonzalez, KU	
III.	**First Readings**		
	A. Ph.D. in Clinical and Translational Science – KUMC	Robert Klein	p. 6
	B. BS in Criminalistics – FHSU	Jill Arensdorf	p. 18
IV.	**Second Reading**		
	A. DNP in Leadership – PSU	Howard Smith	p. 33
V.	**Other Requests**		
	A. Request for Approval for Name Change of Department of Engineering Technology to the Department of Applied Engineering – WSU	Shirley Lefever	p. 42
	B. Request for Approval to Change Names of Degree Programs – K-State - PSM in Applied Biosciences to MS in Applied Biosciences - PSM in Applied Biosciences to MS in Applied Biosciences - BS in Feed Science & Management to BS in Feed & Pet Food Science	Chuck Taber	p. 43
	C. Request for Approval to Change Names of Degree Programs – KU - BSE in Elementary Teacher Education to BSE in Elementary Education - BSE in Secondary Teacher Education to BSE in Secondary Education - MA in Theatre to MA in Theatre & Performance Studies - PhD in Theatre to PhD in Theatre & Performance Studies - BFA in Theatre to BFA in Theatre Design - MFA in Theatre to MFA in Scenography	Barbara Bichelmeyer	p. 45
VI.	**Other Matters**		
	A. Discuss Opportunities (new degree programs, partnerships, strategic initiatives, etc.) that Universities are Considering or Planning to Pursue in the Future	COCAO Members	

VII. Next COCAO Meeting – September 20th, 2023

A. New Program Approvals

VIII. Adjournment

COUNCIL OF CHIEF ACADEMIC OFFICERS

The Council of Chief Academic Officers (COCAO), established in 1969, is composed of the academic vice presidents of the state universities. The Board's Vice President for Academic Affairs serves as an ex officio member, and the member from the same institution as the chairperson of the Council of Presidents serves as chairperson of the Council of Chief Academic Officers. The chief academic officers of the University of Kansas Medical Center and Washburn University are authorized to participate as non-voting members when agenda items affecting those institutions are to be considered. The Council of Chief Academic Officers meets monthly and reports to the Council of Presidents. The Council of Chief Academic Officers works with the Board Academic Affairs Committee through the Vice President for Academic Affairs. Membership includes:

Barbara Bichelmeyer, Chair	KU	Howard Smith	PSU
R. Brent Thomas	ESU	Laura Stephenson (Interim)	Washburn
Jill Arensdorf	FHSU	Shirley Lefever	WSU
Charles Taber	K-State	Daniel Archer	KBOR
Robert Klein	KUMC		

Council of Chief Academic Officers

AY 2024 Meeting Schedule

***Tentative* COCAO Academic Year 2023- 2024 Meeting Dates**				
Meeting Dates	**Location (virtual or in-person)**	**Lunch Rotation**	**Institutional Materials Due**	**New Program Requests Due**
September 20, 2023	TBD	TBD	August 30, 2023	July 26, 2023
October 18, 2023	TBD	TBD	September 27, 2023	August 23, 2023
November 15, 2023	TBD	TBD	October 25, 2023	September 20, 2023
December 20, 2023	TBD	TBD	November 29, 2023	October 25, 2023
January 17, 2024	TBD	TBD	December 27, 2023	November 22, 2023
February 14, 2024	TBD	TBD	January 24, 2024	December 20, 2023
March 20, 2024	TBD	TBD	February 28, 2024	January 24, 2024
April 17, 2024	TBD	TBD	March 27, 2024	February 21, 2024
May 15, 2024	TBD	TBD	April 24, 2024	March 20, 2024
June 19, 2024	TBD	TBD	May 29, 2024	April 24, 2024

*COCAO meets at 9:00 a.m. or upon adjournment of SCOCAO unless otherwise noted.

Council of Chief Academic Officers
MINUTES

Wednesday, May 17, 2023

The May 17, 2023, Council of Chief Academic Officers (COCAO) meeting was called to order by Chair Barbara Bichelmeyer at 9:08 a.m. The meeting was held virtually through Zoom with an in-person option at the KBOR office.

In Attendance:

Members:	Barbara Bichelmeyer, KU	Jill Arensdorf, FHSU	Robert Klein, KUMC
	Chuck Taber, K-State	Howard Smith, PSU	Laura Stephenson, Washburn
	Brent Thomas, ES	Shirley Lefever, WSU	Daniel Archer, KBOR
Staff:	Amy Robinson	Karla Wiscombe	Judd McCormack
	Sam Christy-Dangermond	Cindy Farrier	Marti Leisinger
	Tara Lebar	Charmine Chambers	
Others:	Andrew Hippisley, WSU	Andy Howe, ESU	Angela Pool-Funai, FHSU
	Ashlie Jack, WSU	Brett Whitaker, FHSU	Cheryl Giefer, PSU
	Elaine Simmons, Barton CC	Janice Stover, Cowley CC	Jason Sharp, Labette CC
	Jean Redeker, KU	Jennifer Ball, Washburn	Jennifer Callis, SATC
	JoLanna Kord, ESU	Karen Johnson, PSU	Kim Zant, Cloud County CC
	Kristen Kremer, K-State	Linnea GlenMaye, WSU	Luke Dowell, SCCC
	Melanie Wallace, Allen CC	Monette DePew, Pratt CC	Mary Carol Pomatto, PSU
	NWKTC Representatives	Robert Klein, KUMC	Seth Kastle, FHSU
	Sharon Kibbe, Highland CC	Tanya Gonzalez, K-State	Taylor Crawshaw, Independence CC
	Tom Nevill, Butler CC	Tricia Paramore, Hutchinson CC	Victor H. Gonzalez, KU
	Susan Dumler, FHSU	Brad Bennett, SCCC	Susan Castro, WSU
	Steven Skinner, WSU	Seth Carter, Colby CC	Amber Knoettgen, Cloud County CC
	Vincent Bowhay, Indy CC	Mickey McCloud, JCCC	Aron Potter, Coffeyville CC
	Scott Lucas, WSU Tech	Sarah Robb, Neosho County CC	Jane Holwerda, Dodge City CC

Roll call was taken for members and presenters.

Approval of Minutes

Shirley Lefever moved to approve the April 19th, 2023, meeting minutes, and Brent Thomas seconded the motion. With no corrections, the motion passed.

Council of Faculty Senate Presidents (CoFSP) Update

Nate Brunsell, KU's faculty senate president and CoFSP Chair, provided the update. He introduced the incoming KU faculty senate president, Victor Gonzalez. Victor will be providing any updates to COCAO at the June meeting. The Council thanked Nate for all his work over the year.

First Readings

Howard Smith, Karen Johnson, Cheryl Giefer, and Mary Carol Pomatto presented the first reading for a DNP in Leadership at PSU. The proposed program will fulfill workforce needs and prepare nursing leaders for healthcare organizations and faculty for nursing programs. It's a 34-credit hour program (for students who have already earned the MSN) with emphasis options in Organizational Leadership or Educational Leadership. It will be offered in Summer 2024, has no initial new costs, and will be offered online. This program will be up for

approval in June.

Second Readings

- Howard Smith moved to approve an MS in Global Strategic Leadership at FHSU, and Brent Thomas seconded. The motion passed unanimously.

- Brent Thomas moved to approve a BAS in Applied Leadership at FHSU, and Chuck Taber seconded. The motion passed unanimously.

- Jill Arensdorf moved to approve a BA/BS in Addiction Counseling at K-State, and Shirley Lefever seconded. The motion passed unanimously.

- Howard Smith moved to approve a BS in Cybersecurity Engineering at KU, and Brent Thomas seconded. The motion passed unanimously.

- Brent Thomas moved to approve an AA in General Studies at PSU, and Jill Arensdorf seconded. The motion passed unanimously.

These programs will be up for approval at the Council of Presidents (COPS) meeting later in the day and, if approved in COPS, will go to BAASC on May 30th.

Other Requests

- Jill Arensdorf presented a request to approve changing the name of the BA in Foreign Language to BA in Modern Language at FHSU. This change would update the title to reflect a better descriptor for more current options in the field.

  Howard Smith moved to approve the FHSU name change as presented, and Brent Thomas seconded. The motion passed unanimously.

- Shirley Lefever presented a request for approval to change the name of the MS in Mathematical Foundations of Data Analysis to MS in Mathematical Data Science at WSU.

  Jill Arensdorf moved to approve the WSU name change as presented, and Chuck Taber seconded. The motion passed unanimously.

These requests will go to Dr. Blake Flanders for final approval.

Other Matters

PSU will have a Supply Chain Management program coming soon, they have named an Interim Dean of the College of Technology, and are looking for a VP of Student Affairs and Enrollment Management. FHSU will have a BS in Criminalistics program coming soon. K-State will have a few out-of-service area requests for their Olathe campus for new programs in manufacturing and technology coming soon. WSU and ESU noted they are also working on associate degree proposals similar to the PSU proposal. KU has plans to bring forward a request to offer education degrees in China.

Adjournment

The next COCAO meeting is scheduled virtually for June 14, 2023, at 9:00 a.m.

Brent Thomas moved to adjourn the meeting, and Jill Arensdorf seconded the motion. With no further discussion, the meeting adjourned at 9:26 a.m.

Program Approval

Summary

Universities may apply for approval of new academic programs following the guidelines in the Kansas Board of Regents Policy Manual. The University of Kansas Medical Center has submitted an application for approval and the proposing academic unit is responding to all of the requirements of the program approval process.

June 14, 2023

I. General Information

A. Institution University of Kansas Medical Center

B. Program Identification

Degree Level:	Doctoral Program
Program Title:	Clinical and Translational Science
Degree to be Offered:	PhD in Clinical and Translational Science
Responsible Department or Unit:	School of Medicine, Department of Biostatistics & Data Science
CIP Code:	51.1402
Modality:	Face-to-Face, Online, Hybrid
Proposed Implementation Date:	Fall 2024

Total Number of Semester Credit Hours for the Degree: 61

II. Clinical Sites: Does this program require the use of Clinical Sites? No

III. Justification

The University of Kansas Medical Center (KUMC) is committed to improving lives and communities in Kansas and beyond through innovation in education, research, and health care. To fulfill this mission, KUMC is proposing to establish a PhD program in Clinical and Translational Science (CTS). CTS is an emerging field of research that focuses on translating scientific discoveries into new treatments and cures for disease. The proposed PhD program will prepare graduates to lead and conduct research that improves the overall quality of healthcare and the health of patients. A successful PhD program in CTS at KUMC will attract top predoctoral students interested in the clinical and translational aspects of diseases such as Alzheimer's and related dementias, brain aging, polycystic kidney disease, and cancer, and serve as a source of postdoctoral fellows to lead future clinical and translational research at KUMC. Research shows that investments in educational channels to train clinician scientists have a high rate of positive return in the form of increased research funding and institutional reputation (1,2), thus a successful PhD program in CTS positions KUMC to become a first-tier medical school based on Blue Ridge Institute rankings (brimr.org) and to recruit and train the next generation of biomedical and clinician-scientists to serve the education, research, and health care needs of Kansans.

KUMC is one of the leading medical schools in the U.S. and is home to several National Institutes of Health (NIH)-funded research programs, including the National Cancer Institute-designated Comprehensive Cancer Center (KUCC), Frontiers Clinical and Translational Science Institute, KU Alzheimer's Disease Research Center, KU Polycystic Kidney Disease Research and Translation Core Center, Kansas-Institutional Development Award (IDeA) Networks of Biomedical Research Excellence (INBRE), and Kansas Institute for Precision Medicine Centers of Biomedical Research Excellence (COBRE). KUMC has a strong research

infrastructure, including state-of-the-art research facilities and a large pool of highly skilled researchers, providing students with the mentoring and resources they need to conduct cutting-edge clinical and translational research. The institutional environment is also highly collaborative, giving students the opportunity to work with researchers from a variety of disciplines and develop the skills they need to conduct interdisciplinary research or 'team science.' Furthermore, KUMC has a diverse patient population, preparing students for careers in CTS which require an understanding of the needs of patients from all backgrounds. KUMC also has strong student support services, including the ASCEND program funded by the Office of Academic and Student Affairs. This program provides students with the opportunities and resources to develop successful careers and transferrable skills.

KUMC currently offers a 33-credit hour Master of Science in Clinical Research, a 1- to 2-year program that includes didactic coursework in biostatistics, clinical research, and epidemiology, and a culminating master's thesis. The proposed PhD in CTS is a 61-credit hour program with curriculum derived from competencies established by the Clinical and Translational Science Award Enhancing Clinical Research Professionals' Training and Qualifications Consortium (3). The curriculum focuses on biostatistics and analytics, clinical and translational research methods, leadership, and team science. In addition to the increased coursework, the proposed PhD degree includes preliminary, qualifying, and comprehensive exams and a dissertation. The PhD degree provides students with an in-depth understanding of clinical research and translational science, along with practical and experiential research training focusing on scientific rigor and reproducibility. There is substantial curriculum overlap of the MS in Clinical Research with the proposed PhD. All 33 credit hours required for the MS could be pulled from the curriculum of the PhD program, making the MS in Clinical Research a potentially efficient pathway program for the PhD in CTS.

KUMC is one of 67 medical research institutions that have active NIH National Center for Advancing Translational Sciences (NCATS) Clinical and Translational Science Awards (CTSA). These institutions work together to speed the translation of research discovery into improved patient care. Each CTSA institution has a linked KL2 program (early-stage investigators) and an optional TL1 (pre- and post-doctoral trainees) program. Through these programs, institutions provide training and educational opportunities in clinical and translational research, including graduate degrees. Given the heterogeneous training components implemented by individual institutions, the types of degrees offered vary greatly. According to NCATS (nih.ncats.gov), as of 2022, 93% of CTSA institutions offer a relevant master's degree (MS or MPH) and 64% offer a PhD. As in the proposed PhD program, most institutions have a major training/education focus on team science (80%), career development (58%), and cross-/inter-/multi-disciplinary training (46%). However, few provide competency-based training (30%), experiential learning (24%), entrepreneurship (20%), rigor and reproducibility (14%), community engagement (14%), or a competencies-based curriculum (6%), all of which exist in the proposed PhD program curriculum and are explicit strengths of the KUMC CTSA, Frontiers.

IV. Program Demand: Select one or both of the following to address student demand:

A. Survey of Student Interest

Number of surveys administered:	_Unknown_
Number of completed surveys returned:	138
Percentage of students interested in program:	__61.4%_

We distributed an electronic RedCAP survey through various channels, including the KUMC Office of Graduate Medical Education, Postdoctoral Affairs and Graduate Studies, the University of Kansas Cancer Center, and Frontiers. We also shared the survey with several select regional academic institutions.

Out of the 137 respondents who completed the survey, 70 (50.7%) indicated that clinical and translational research was a career goal. To explore their degree aspirations further, we presented a series of questions to

those who answered positively. The results showed that 29 (21.2%) were undergraduate students, two (1.5%) were medical students, 50 (36.5%) were graduate students, 30 (21.9%) were medical residents, nine (6.6%) were medical doctors, 16 (11.7%) were post-doctoral fellows, three (2.2%) were staff, and five (3.6%) were faculty.

Of those who expressed interest in clinical and translational research, 43 (61.4%) replied "Yes" to our question about whether they would be interested in pursuing a PhD in Clinical and Translational Science if the University of Kansas School of Medicine offered a program that could be completed within 3 to 4 years.

B. Market Analysis

The landscape of biomedical research and education is changing rapidly, with an increasing emphasis on interdisciplinary collaboration to improve clinical care and population health outcomes. To achieve these goals, basic, clinical, and population sciences must be closely aligned and integrated. Basic science research needs to be made more immediately applicable to clinical problems, while health challenges observed in populations must be rapidly integrated into rigorous basic and clinical science investigation. In response to these changes, the PhD program in clinical and translational science has been developed both in North America and worldwide.

The demand for medical scientists is projected to grow significantly in the next decade, with an estimated 17 percent growth from 2021 to 2031, which is much faster than the average for all occupations (4). On average, about 10,000 openings for medical scientists are projected each year. These openings will be driven by the greater demand for healthcare services as the population ages and the rates of chronic diseases continue to increase. Medical scientists will be needed to research and treat diseases such as Alzheimer's and cancer, and to address issues related to treatment, such as antibiotic resistance. Moreover, as the world becomes more interconnected and the population travels globally, medical scientists will continue to be needed for medical research to help prevent and mitigate the spread of diseases.

V. Projected Enrollment for the Initial Three Years of the Program

Year	Total Headcount Per Year		Total Sem Credit Hrs Per Year	
	Full- Time	Part- Time	Full- Time	Part- Time
Implementation	1		20	
Year 2	2		40	
Year 3	3		60	

The program anticipates matriculating one full-time student per year for the first three years, growing to cohorts of 3 – 5 per year over time. Assuming these students are on a three-year timeline to defense, each student would take approximately 20 credit hours in each of their three years.

VI. Employment

The largest employers of clinical and translational researchers are research and development in the physical, engineering, and life sciences (36%), universities and professional schools (23%), and hospitals (17%) (3). Program graduates will be highly recruited by academia and industry. As most of our anticipated matriculated students will be from clinical biomedical sciences (e.g., medicine, nursing, physical therapy, and psychology), we anticipate that most of our graduates will obtain positions in hospital/university-based academic centers with solid track records for clinical and translational science. Many will have combined clinical and research appointments; however, some will likely solely perform research. We also anticipate that with the skills and knowledge obtained from our educational program, the biomedical industry may recruit a proportion of students to perform in-house clinical and translational science. Successful completion of this program will provide a highly competitive advantage to all graduates seeking careers in clinical and translational biomedical research.

VII. Admission and Curriculum

A. Admission Criteria

All applicants must meet the following criteria:

- Bachelor's degree from a regionally accredited institution (or international equivalent) with cGPA ≥3.0/4.0
- One of: MD, DDS, DO, PharmD, PhD, DNP, or other professional degree *OR* enrolled in clinical professional doctoral degree program
- Demonstrated high level of interest/potential for innovative clinical and translational research
- Calculus I
- Course-by-course and degree equivalency performed by WES (or equivalent), if applicable
- TOEFL/IELTS or ECFMG certificate for applicants with an MD, if applicable
- Personal statement describing research interests and how the program aligns with goals
- CV/Resume
- Contact information for at least two references
- A background check, as required

Applicants who are employed by KUMC must also provide:

- Contact information of division chief/chair
- Confirmed protected time

Applicants seeking an accelerated time to degree (less than 4 years) must also provide:

- Contact information for research mentor
- Confirmed protected time
- Demonstrated research experience (beyond labs associated with lecture courses)

B. Curriculum

The curriculum of the PhD Program in Clinical and Translational Science is built upon four pillars: clinical and translational research methods, statistics and analytics, professional skills, and mentored experiential research. The program is designed to allow students to engage simultaneously in didactic coursework and practical research experiences. The proposed PhD program will prepare graduates to *lead* and *conduct* clinical and translational research.

Credit requirements. The PhD Program in Clinical and Translational Science is an approximately 61-credit hour program designed for full-time study. Coursework is divided into required and elective courses in the student's area to allow maximum flexibility. Students will begin participating in mentored research and developing their research projects from their first semester.

Mentoring. All students will participate in a Mentoring Workshop at the start of their program. The workshop aims to ensure a clear understanding of mentoring's purpose, define student expectations, establish consistent mentoring practices, formalize team mentoring and non-negotiable aspects of the mentoring agreement, and provide professional skills training such as negotiation and active listening. Students will meet with mentors to develop an Individual Development Plan (IDP). IDPs will consider students' interests, strengths, and the necessary skills and qualifications for their chosen career. IDPs will serve as a shared reference for students, mentors, exam committees, and program leadership.

Research Training. Students are expected to actively pursue training in critically reading research literature within their field of interest. They can achieve this by participating in a monthly journal club organized by their home department or a department related to their research area. Additionally, students are encouraged to enroll

in PRVM 869: Systematic Reviews. Students are expected to deliver at least one public research presentation annually, preferably at a national conference. To support their professional growth, students are encouraged to attend KUMC ASCEND (Achieving Successful Careers, Exploring New Directions) Program seminars and workshops sponsored by the Office of Graduate Studies and Postdoctoral Affairs. The KUMC ASCEND Program offers career development opportunities, transferable skill training, and career exploration. Students are also encouraged to attend the KUMC Research Institute Research and Discovery Grand Rounds, which are co-sponsored by Frontiers. These activities will be integrated into the students' IDPs.

Mentored Research. Students will begin participating in mentored research and developing their research projects beginning in Year 1. The goal of having students engage in mentored research early in the program is to ensure that they actively participate in planning data collection, gathering data, and analyzing results while completing the didactic training that complements these activities. Students must also enroll in six credit hours of BIOS 899: Clinical/Translational Mentored Research.

Research Skills and Responsible Scholarship Requirement. Students are required to complete and maintain training in Human Subjects Protections, Good Clinical Practice, and Responsible Conduct of Research through Institutional Training. Students must also enroll in the one-credit course PRVM 853: Responsible Conduct of Research. At the time of graduation, students must be current on all training and have completed PRVM 853 to be eligible to graduate.

Required Clinical and Translational Research Methods Courses. These required courses (10 credits) emphasize research methods, grant writing, and scientific communication, equipping students with essential skills to write grant proposals, conduct high quality research, and effectively communicate their findings through presentations and manuscripts. In PRVM 872: Grant Writing, students learn how to build an NIH-style grant application around a research question, identify human subject protection concerns, and prepare an Institutional Review Board protocol. The outcome is a finalized grant application adhering to the PHS-398 format, in preparation for the *Comprehensive Exam*.

PRVM 853: Responsible Conduct of Research (1 CH)
BIOS 811: Scientific Rigor and Reproducibility (3 CH)
BIOS 810: Clinical Trials (3 CH)
PRVM 872: Grant Writing (3 CH)

Required Analytics Methods Courses. These required courses (9 credits) provide students with training in methodology, biostatistics, and measurement. These prepare students to critically analyze academic and research literature, understand most statistical and measurement approaches used, perform and interpret common statistical analyses using their own or existing data, and effectively collaborate with biostatisticians in planning and executing statistical analyses for their projects.

BIOS 714: Fundamentals of Biostatistics 1 (3 CH)
BIOS 717: Fundamentals of Biostatistics 2 (3 CH)
BIOS 715: Introduction to Data Management using RedCap and SAS (3 CH)

Required Professional Skills Courses. This required course (3 credits) provide students with practical knowledge crucial for developing professional skills and advancing their careers.

NRSG 880/HP&M 840: Organizational Foundations for Leading Change (3 CH)

Required Clinical Trials/Translational Research Mentored Research Course. The required clinical trials/translational mentored research course (6 credits) gives students course credit for an early mentored research experience. Students will become part of a research team and learn how studies or trials are designed,

implemented, managed, analyzed, and results disseminated. This course provides students with practical experience critical for developing clinical and translational research skills to inform and advance their research projects.

BIOS 899: Clinical/Translational Mentored Research (6 CH)

Required Advanced Elective Coursework. Students must take at least 15 advanced elective credits, including at least six credits of advanced analytics and six credits of advanced CT research methods. The PhD advisor and Program Director must approve advanced electives before enrollment.

Dissertation Proposal Credits. In preparation for the dissertation proposal defense ('Comprehensive Oral Examination for PhD'), students may take BIOS 998: Doctoral Research. Enrollment in this course will provide credit for mentored guidance through preparing and submitting the written dissertation proposal and preparation for the oral proposal defense.

Dissertation Credits. Students must take at least 18 credits of BIOS 998: Doctoral Research and BIOS 999: Doctoral Dissertation, with at least nine credits from BIOS 999: Doctoral Dissertation, to be eligible for graduation. Only students who have passed the dissertation proposal defense ('Comprehensive Oral Examination for PhD') and submitted a dissertation proposal report are eligible to enroll in BIOS 999: Doctoral Dissertation.

Milestones. Each trainee is expected to meet specific curriculum and program expectations and milestones. The expectations and milestones are:

Preliminary Examination. By the end of Year 1, the trainee will be expected to have a research plan, including specific aims for research, and undergo a Preliminary Examination. This preliminary evaluation of student progress is conducted by the Program Director(s) and the student's mentor to ensure that he/she is meeting program milestones. The evaluation will involve a review of the student's academic and research progress and result in development of an action plan for any areas of concern.

Comprehensive Examination. By the end of Year 2, students are expected to accomplish several milestones in their program. These include establishing an Advisory Committee, undergoing a comprehensive examination, and submitting a Comprehensive Examination report. The purpose of the comprehensive exam is to assess the student's knowledge and readiness to embark on their dissertation project. The written portion of the comprehensive exam follows the format of an NIH R01-style proposal and should include an abstract, specific aims, draft research strategy covering significance, innovation, and approach, and reference materials. The oral portion of the comprehensive exam will be conducted like an NIH study section review. The written portion of the exam and the evaluation report, prepared by the Advisory Committee using NIH peer review guidelines, must be submitted to the Program Directors. Successful completion of the Comprehensive Examination is a program requirement and precedes the defense of the dissertation proposal.

Dissertation Proposal Defense. By the end of Year 3, students are expected to achieve important milestones in their doctoral program. This includes preparing and submitting a dissertation proposal, completing a dissertation proposal defense ('Comprehensive Oral Examination for PhD') and submitting a dissertation proposal report. Using the preliminary evaluation from the Comprehensive Examination and considering any progress made since, the student must create a written proposal and deliver an oral defense to their doctoral advisory committee during a formal dissertation proposal defense. The written proposal follows the format of an NIH R01-style proposal, encompassing an abstract, specific aims, research strategy covering significance, innovation, and approach, protection of human subjects, and reference materials. During the meeting, the student presents their final research plan and progress to the Advisory Committee. The committee members offer guidance to further refine

the conceptualization and methodology of the plan. Unanimous approval of the dissertation topic and research plan by the advisory committee is necessary. If the proposed research involves human subjects, it must receive approval from the University Institutional Review Board (IRB) before being conducted.

Dissertation Defense. The student will be expected to complete the dissertation project, which includes writing and revising the dissertation, applying for graduation, and completing the dissertation defense ('Final Oral Examination for PhD'). The dissertation may take one of two formats. The first format includes three first-authored manuscripts that are at least submission ready for publication in peer-reviewed journals. The three manuscripts must be thematically related to one another and to the dissertation proposal approved by the student's Dissertation Committee. The manuscripts must be accompanied by an introductory chapter that discusses the context in which the research was performed and a concluding chapter that discusses the implications of the research findings and provides a description of plans for future research. The second option is to submit a more traditional dissertation that includes, at a minimum, chapters describing the background, methods, analyses/results, and conclusions of the dissertation project. The dissertation defense is an oral presentation and examination of the student's research. In the defense, the student should provide an overview of the aims, literature, significance, methods, analysis, results, and implications.

C. Typical Program Plan

Year 1: Fall **SCH = Semester Credit Hours**

Course #	Course Name	SCH
BIOS 714	Fundamentals of Biostatistics I	3
PRVM 872	Grant Writing	3

Year 1: Spring

Course #	Course Name	SCH
BIOS 810	Clinical Trials	3
BIOS 717	Fundamentals of Biostatistics II	3
PRVM 853	Responsible Conduct of Research	1

Year 1: Summer

Course #	Course Name	SCH
BIOS 811	Scientific Rigor and Reproducibility	3
	Elective(s)	1 – 3

Year 2: Fall

Course #	Course Name	SCH
BIOS 715	Introduction to Data Management using RedCap and SAS	3
HP&M 840	Organizational Foundations for Leading Change	3
	Elective(s)	1 – 3

Year 2: Spring

Course #	Course Name	SCH
BIOS 899	Clinical and Translational Mentored Research	3 – 6
	Elective(s)	3 – 6

Year 2: Summer

Course #	Course Name	SCH
BIOS 998	Doctoral Research	3 – 6

	Elective(s)	1 – 3

Year 3: Fall

Course #	Course Name	SCH
BIOS 999	Doctoral Dissertation	6 – 9
	Elective(s)	1 – 3

Year 3: Spring

Course #	Course Name	SCH
BIOS 999	Doctoral Dissertation	6 – 9
	Elective(s)	1 – 3

Total Number of Semester Credit Hours ……. 61

D. Program Review, Assessment, and Accreditation

The program will be reviewed in accordance with Kansas Board of Regents, KUMC Graduate Studies, and Higher Learning Commission policies. The Program Directors and Curriculum Committee will be responsible for annual curriculum review, program assessment, and the creation and execution of plans to address necessary improvements. Student- and peer-reviews of classes will be part of the annual review. Students and mentors will be interviewed by the Program Directors bi-annually to track progress, satisfaction, and identify any unmet needs. A database will be created to track student demographics and outcome metrics, including course grades, the completion of IDP milestones, engagement with non-didactic program components, mentor/committee assessments of progress, publications, presentations, awards, accomplishments, time-to-milestone completion (exams, graduation), annual retention rates, milestone passing rates (exams, graduation), employment, and research-related career outcomes. All information will be summarized and reviewed by the Program Directors, the Department Chair, and the Department of Biostatistics & Data Science External Advisory Board. External accreditation will be conducted by the Higher Learning Commission as part of the institutional accreditation.

VIII. Core Faculty

Note: * Next to Faculty Name Denotes Director of the Program, if applicable
FTE: 1.0 FTE = Full-Time Equivalency Devoted to Program

Due to the inherent interdisciplinary nature of the proposed PhD program, it was developed under the 'hub-and-spoke' model of program administration. The KUMC Department of Biostatistics & Data Science serves as the centralized administrative hub, providing a cost-effective, consistent, and efficient mechanism for ensuring student success. Mentors and committees will most certainly cross disciplines and departments (spokes). This model of administrative support and oversight is cost-effective, efficient, and ensures consistency across all students in the program. Further, the Department of Biostatistics & Data Science currently serves in this capacity for clinical and translational research at KUMC, housing six NIH-funded cores that support the KU Cancer Center, Frontiers, the Kansas-INBRE, the Kansas Institute for Precision Management, and the KU Alzheimer's Disease Research Center. The Department also supports clinical and translational research that falls outside these centers, and frequently pools resources (including software, personnel, and administration) across all centers and projects. The core faculty listed are all associated with one or more of the major clinical and translational research and educational programs at KUMC.

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
Jo Wick	Professor	PhD	Y	KU Cancer Center, Biostatistics, Clinical Research, Education	0.3
Andrea Chadwick	Associate Professor	MD, MS	N	Clinical Research, Medicine	0.3
Lynn Chollet-Hinton	Assistant Professor	PhD, MSPH	Y	MS in Clinical Research, KU Cancer Center OPTIK, Epidemiology	0.05
Simon Lee	Professor	PhD, MPH	Y	MS in Clinical Research, Implementation Science	0.05
Ed Ellerbeck	Professor	MD, MPH	Y	Frontiers, KU Cancer Center, Epidemiology, Clinical and Translational Research, Medicine	0.05
Doug Wright	Professor	PhD	Y	Kansas-INBRE, Translational Research	0.05
Jeffrey Thompson	Associate Professor	PhD	Y	Kansas Institute for Precision Medicine, KU Cancer Center C3OD, Research Informatics, Precision Medicine, Translational Research	0.05
Jonathan Mahnken	Professor	PhD	Y	Frontiers, KU Alzheimer's Disease Research Center, Biostatistics, Clinical Research	0.05
Devin Koestler	Professor	PhD	Y	Kansas Institute for Precision Medicine, Kansas INBRE, KU Cancer Center, Molecular Epidemiology	0.05
Jianghua He	Professor	PhD	Y	Frontiers, Biostatistics, Translational Research	0.05

Number of graduate assistants assigned to this program **1**

IX. Expenditure and Funding Sources

A. EXPENDITURES	First FY	Second FY	Third FY
Personnel – Reassigned or Existing Positions			
Faculty (0.6 FTE at AAMC Multiplier $125,544)	75,326	77,586	79,913

Administrators *(other than instruction time)* (0.4 FTE at AAMC Multiplier $125,544)	50,218	51,724	53,276
Graduate Assistants			
Support Staff for Administration (0.5 FTE at median range for Academic Program Specialist $67,000)	33,500	34,505	35,540
Fringe Benefits (assuming 32%)	50,894	52,420	53,993
Other Personnel Costs	0	0	0
Total Existing Personnel Costs – Reassigned or Existing	209,938	216,235	222,722
Personnel – New Positions			
Faculty	0	0	0
Administrators *(other than instruction time)*	0	0	0
Graduate Assistants	37,400	38,522	39,678
Support Staff for Administration (0.5 FTE at median range for Academic Program Specialist $67,000)	33,500	34,505	35,540
Fringe Benefits (assuming 32%)	22,688	23,368	24,069
Other Personnel Costs			
Total Existing Personnel Costs – New Positions	93,588	96,395	99,287
Start-up Costs - One-Time Expenses			
Library/learning resources	0	0	0
Equipment/Technology	0	0	0
Physical Facilities: Construction or Renovation	0	0	0
Other	0	0	0
Total Start-up Costs	0	0	0
Operating Costs – Recurring Expenses			
Supplies/Expenses	0	0	0
Library/learning resources	0	0	0
Equipment/Technology	0	0	0
Travel	10,000	10,000	10,000
Other	0	0	0
Total Operating Costs	10,000	10,000	10,000
GRAND TOTAL COSTS	313,526	322,630	332,009

B. FUNDING SOURCES *(projected as appropriate)*	Current	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds ($534.84 per CH)		10,697	21,394	32,091
Student Fees ($421.77 per student per F/Sp)		843	1,687	2,531
Other Sources				
GRAND TOTAL FUNDING		11,540	23,081	34,622
C. Projected Surplus/Deficit (+/-) (Grand Total Funding *minus* Grand Total Costs)		(301,986)	(299,549)	(297,387)

X. Expenditures and Funding Sources Explanations

A. Expenditures
Personnel – Reassigned or Existing Positions

Drs. Wick and Chadwick will co-direct the program. All associated personnel are currently in existing positions at the institution paid and effort will be reallocated to support this program. Faculty mentoring and advising effort not explicitly listed in this proposal will be paid through dollars allocated to their home department by the School of Medicine funding model. Salary increases assume 3% annual cost of living increase.

Personnel – New Positions

1 FTE Academic Program Specialist (median salary $67,000) will be necessary to support this program, with 0.5 existing FTE paid by the Department of Biostatistics & Data Science reallocated to this program. Funding for 1 PhD GRA (0.5 FTE) is included. However, the program directors will apply for other funding sources [e.g., training programs (existing and new)] and will encourage eligible students to apply for fellowships.

Start-up Costs – One-Time Expenses

None.

Operating Costs – Recurring Expenses

Presentations at scientific conferences is expected, so funds are allocated to provide travel support.

B. Revenue: Funding Sources

Calculations assume an 80/20 resident/non-resident mix, yielding $534.84 tuition revenue per credit hour (resident KUMC graduate rate is $421.15 per credit hour, non-resident is $989.60 per credit hour). For the sake of simplicity, we assume all students are on campus for the calculation of fees. On campus students are assessed $421.77 in campus fees in spring and fall semesters. In Year 1, total tuition revenue from 1 full-time student will be $534.84×20 credit hours = $10,697. Campus fees for 1 student will be $421.77×1 student×2 terms = $843.54. Therefore, the total revenue including tuition and fees will be $10,697 + $843.54 = $11,540. In Year 2, this amount increases by 2-fold to $23,081, reflecting the addition of 1 full-time enrolled student. In Year 3, 1 additional

student is added for a total of 3 full-time enrolled students, so the amount increases 3-fold to $34,621.

Program directors will apply for new sources of funding [e.g., training programs (existing and new)] and will encourage eligible students to apply for fellowships.

C. Projected Surplus/Deficit

Given the planned limit on program size at start-up, the program is expected to run at a deficit until the program size reaches 8 full-time students (across all 4 – 5 years of the program). This can be reasonably achieved by year 7 if the program matriculates 2-3 new students each year beginning in year 4. However, program directors will actively apply for new sources of funding [e.g., training programs (existing and new)] and will encourage eligible students to apply for fellowships with the goal of achieving a self-sustaining funding model.

XI. References

1. Roberts SF, Fischhoff MA, Sakowski SA, Feldman EL. Perspective: Transforming science into medicine: how clinician-scientists can build bridges across research's "valley of death". Acad Med. 2012 Mar;87(3):266-70. doi: 10.1097/ACM.0b013e3182446fa3. PMID: 22373616.

2. Switzer GE, Robinson GFWB, Rubio DM, Fowler NR, Kapoor WN. Doctoral programs to train future leaders in clinical and translational science. Acad Med. 2013 Sep;88(9). doi: 0.1097/ACM.0b013e31829e7bce. PMID: 23899901.

3. Calvin-Naylor NA, Jones CT, Wartak MM, et al. Education and training of clinical and translational study investigators and research coordinators: a competency-based approach. J Clin Transl Sci. 2017 Feb;1(1):16-25. Doi: 10.1017/cts.2016.2. PMID: 28480054

4. Bureau of Labor Statistics (2022). https://www.bls.gov

Program Approval

Summary

Universities may apply for approval of new academic programs following the guidelines in the Kansas Board of Regents Policy Manual. Fort Hays State University has submitted an application for approval and the proposing academic unit is responding to all of the requirements of the program approval process.

June 14, 2023

I. General Information

A. Institution Fort Hays State University

B. Program Identification

Degree Level:	Bachelor's
Program Title:	Criminalistics
Degree to be Offered:	Bachelor of Science in Criminalistics
Responsible Department or Unit:	Criminal Justice Program
CIP Code:	43.0402
Modality:	Face-to-face with program specific courses offered online
Proposed Implementation Date:	August 1, 2024

Total Number of Semester Credit Hours for the Degree: 120 Credit Hours

II. Clinical Sites: Does this program require the use of Clinical Sites? No

III. Justification

The Departments of Criminal Justice, Chemistry, Biology, and Geosciences propose to develop an interdisciplinary Bachelor of Science in Criminalistics to sustain the workforce needed in the area of forensic science and crime scene investigation. Much of the academic analysis concerning the criminal justice system's use of scientific evidence examines the accuracy of analytical techniques, or more rarely, the use of scientific tests and forensic evidence in criminal cases. These are important areas of study, with relevance for both academics and criminal justice professionals. However, to take advantage of emerging bodies of work, criminal justice agencies must employ individuals trained in the natural sciences that also have expertise and understanding of how the criminal justice system works.

For example, scientific evidence must abide by the standards established by *Daubert v. Merrell Dow Pharmaceuticals* (1993). In this decision, the U.S. Supreme Court ruled that any scientific or forensic evidence submitted to the court must meet four criteria for admission to court, which expanded the Federal Rules of Evidence. The first criterion is that the expert (i.e., the person testifying as to what the physical evidence and/or analysis means) has scientific and/or technical knowledge that is relevant to the jury or judge's decision-making process. The second criterion is that expert testimony is based on facts or data. The third and fourth criteria are the most relevant for this degree proposal. The expert must show 3) that the analysis they are presenting is based on reliable methodology and 4) that the expert has reliably applied those methodologies to the facts of the case. Because of the requirements of forensic evidence being that the investigator has knowledge of and experience in applying reliable principles and methods in obtaining, analyzing, and interpreting that evidence, it is crucial that individuals working within the criminal justice field are proficient in the natural sciences in addition to being knowledgeable in criminal investigation procedures.

Three public institutions within Kansas have degree programs that feature similar goals to the proposed program:

1 . Emporia State University currently offers a Master of Science (M.S.) forensic science program. Representatives from that program have expressed interest in developing an articulation with FHSU to give students an opportunity to pursue their MS after completing the BS in Criminalistics at FHSU.
2. Wichita State University (WSU) has a Bachelor of Science (B.S.) forensic science program.
3. Washburn University (WU) offers three degrees with similar goals, including a B.S. in forensic chemistry, B.S. in forensic biology, and Bachelor of Criminal Justice (B.C.J.) in forensic investigations.

The standout difference of the proposed BS in Criminalistics program at FHSU is its curricular focus on criminal justice and chemistry (24 and 23 credit hours, respectively). This proposed program is also unique in its concentration options for students to choose between Forensic Chemistry, Forensic Biology, or Crime Mapping & Spatial Analysis.

The fact these varied Criminal Justice programs exist within Kansas speaks to the need for natural scientific expertise within the legal field. Indeed, this need is made explicit in the National Academy of Science's report (2009) to the U.S. Senate concerning the state of forensic science and its use within the American criminal justice system and how it could be improved. A significant hindrance to improving the accuracy of scientific evidence collection, analysis, and interpretation is the lack of trained individuals to aid criminal justice actors in this endeavor.

The FHSU Chemistry department offers a Forensic Science concentration available to students within its ACS (American Chemical Society) certified B.S. Chemistry program. This existing program focuses more on the chemistry discipline, particularly the analytical chemistry branch, and exposes students on the use of the different instrumental methods commonly employed in forensic analysis. This program concentration is geared towards applications of general quantitative/qualitative chemical analysis, lab techniques, sample preparation, methodology, statistical evaluation of data and sensitivity/selectivity in instrumental analysis. However, it does not emphasize how evidence is used within the criminal justice system, or how to interpret evidence and analyses in a legal context.

The proposed Bachelor of Science in Criminalistics will borrow from how Chemistry has created the Forensic Science concentration but will also incorporate a more structured foundation in criminal justice which complements the existing chemistry program. Specifically, Criminalistics students will take classes in criminology, ethics within the criminal justice system, criminal investigations and crime analysis, criminal law and court procedure, and criminal justice administration and processes, in addition to basic and intermediate chemistry courses in the core program. Additionally, students will select a specific concentration that includes advanced courses in chemistry, biology, or geosciences.

IV. Program Demand:

Market Analysis

A recent report developed for FHSU by Hanover Research, *Market Opportunity Scan: Bachelor's and Master's Degree Programs*, highlights fields of study for program development (2019). The plan makes four recommendations to the university in developing a Strategic Enrollment Plan: 1) develop new programs or specialization areas; 2) target emerging fields aligned with strengths and priorities; 3) customize/refine established fields to attract students; and 4) avoid declining fields with limited employment prospects. Data accompanying the report indicates a labor demand for criminal justice careers in law enforcement

administration, counterterrorism, homeland security, crisis management, and criminology. In addition, data indicate career fields in the natural sciences, including chemistry, biology, and the geological/earth sciences are either established or emerging. According to these findings, this program proposal targets emerging and established fields to develop a new program with areas of specialization that will prepare students for careers with a high growth labor demand.

Agencies hiring for applicants in these positions will seek candidates with a strong criminal justice core, supported by a scientific concentration, indicating direct alignment with the proposed BS in Criminalistics. Additionally, a BS in Criminalistics will professionalize law enforcement investigations to increase likelihood of successful prosecution for those cases where forensic evidence exists. Given the combined issues of rapid scientific advancement, perceptions of police illegitimacy and ineffectiveness, and local fiscal issues dominating the conversation, providing law enforcement personnel with the tools necessary to identify evidence, interpret the results, and testify in court. This is crucial for not only law enforcement and prosecution across the state of Kansas but especially in the rural areas of the state where agencies must wait for commuting specialist investigators in the field to arrive on-scene to collect and analyze evidence, then return to testify at trial. Graduating students with a background in scientific evidence collection and forensic science will make them more marketable and a greater asset for agencies that will benefit from their academic expertise. Based on the program of study described below, students will receive instruction in their scientific discipline of choice that is then grounded in a foundational understanding of the criminal investigation process, criminal law and procedure, and the use of data within criminal justice agencies. This knowledge will equip them with the skills necessary to recognize evidence in the field, its implications to prosecution and defense, and the ethical issues therein.

V. Projected Enrollment for the Initial Three Years of the Program

Year	Headcount Per Year		Sem Credit Hrs Per Year	
	Full- Time	Part- Time	Full- Time	Part- Time
Implementation	5	3	140	42
Year 2	10	6	295	89
Year 3	15	9	460	138

Projected enrollment includes five additional full-time and three part-time students during years 2 and 3 added to the previous year's enrollment. The program is projected to reach 25 students within year 4 following implementation. Full-time credit hours based on number of hours per semester/year included in recommended path to degree (Section VII. B), including 28 for year 1; 31 for year 2; and 33 for year 3. Part-time credit hours based on half the hours per semester of a full-time student (e.g., 14 hours rather than 28 hours per student for the first year).

VI. Employment

State and federal law enforcement agencies routinely employ criminalists and forensic scientists. The Kansas Bureau of Investigation (KBI) has laboratories located in Great Bend, Kansas City, Pittsburg, and Topeka. According to the State of Kansas employment website (Kansas.gov, n.d.), the KBI has forensic laboratories for chemistry, biology, toxicology, firearms/toolmarks, and latent prints. In addition to entry level forensic scientists, there are also opportunities for advancement to Forensic Scientist II, III, and IV. Minimum qualifications for the Forensic Scientist I, as posted on the same website, is a bachelor's degree in a relevant field of work, such as biology, chemistry, or forensic science. Like Kansas, the Colorado and Oklahoma Bureaus of Investigation, Missouri Highway Patrol, and the Kansas City, Missouri Police Department currently have openings for Forensic Scientist or Criminalist, with all states requiring a Bachelor of Science

in chemistry or relevant discipline.

The Federal Bureau of Investigation (FBI) is currently hiring for a Forensic Chemist. According to the FBI website (FBI, n.d.), candidates must have completed a bachelor's degree, completing at least 30 hours in chemistry. Additionally, as noted on the USAJOBS website (usajobs.gov, n.d.) the FBI promotes forensic scientists to special agents, technically trained agents, and other positions where employees must use the advanced skill sets. As agents, these positions need awareness of criminal justice procedures in addition to scientific knowledge to prepare testimony for court proceedings.

Gray Associates, Inc., a software firm focused on academic program evaluation, conducted a market economy study for FHSU in March 2022 regarding job forecasts in the forensic science area. The report referenced postings for career opportunities that align with a Bachelor of Science in Criminal Justice and in Criminalistics, including:

- Custom Protection Officer,
- Lab Technician,
- Director of Communications,
- Cyber Threat Intelligence Analyst,
- Police Officer,
- Investigator, including of Network Services, Special Intelligence, and others
- Intelligence Analyst,
- Chief of Police,
- Cyber Forensic Analyst,
- Cyber Threat Intel Analyst,
- Forensic Research Scientist, and others.

Agencies hiring applicants in these positions will seek candidates with a strong criminal justice core, supported by a scientific concentration.

VII. Admission and Curriculum

A. Admission Criteria

Admission criteria for the Bachelor of Science in Criminalistics will align with the current admission requirements by FHSU for each of the following groups, including: 1) freshmen (under 21 years of age) who are Kansas or Non-Kansas residents, homeschooled, or obtained a GED; 2) transfer students with at least 24 credit hours, or under the age of 21 and fewer than 24 credit hours; or 3) adult learner requirements.

B. Curriculum

Students who earn a Bachelor of Science in Criminalistics degree will complete the program core and an elective concentration of their choice. The core provides students with both foundational and upper-division criminal justice material relevant to understanding how the criminal justice system functions, how cases move through the criminal justice system, how the investigative process functions, causes of crime, and ethics as related to issues of crime and justice. In addition to these courses, students will take foundational courses in Chemistry, as well as the Chemistry Department's CHEM 382 Introduction to Forensic Science. The proposed program core (listed below) will ensure that Criminalistics students understand 1) crime and criminal behavior, the organization of the criminal justice system, and the investigative process, and 2) a strong foundation in chemistry.

Additionally, most of the program core (as well as the Crime Mapping & Spatial Analysis concentration through Geosciences, in particular) can be completed entirely online. This will benefit those students who are

already professionals in the field who wish to increase their marketability and skill set within their current agency. Science-specific courses that require a lab component can be offered as intensive two-week courses during the summer to increase accessibility for students who are not able to attend on-campus during the traditional fall and spring semesters.
Building on the major core requirements, Criminalistics students will choose from one of three concentrations to complete program hours. These are Forensic Chemistry (26 hours), Forensic Biology (27 hours), and Crime Mapping & Spatial Analysis (30 hours). Each concentration takes advantage of existing FHSU courses taught by current faculty across campus, with a focus on providing students with both a foundation of natural science practicum and theory, as well as on how forensic and/or geographic evidence from that discipline is used within criminal proceedings. Finally, the Criminalistics degree, including the core and concentration, can be completed within the 120-hour requirement of KBOR.

The proposed program will pursue accreditation by the American Academy of Forensic Sciences. Additional information regarding accreditation standards is available at the following website: https://www.aafs.org/sites/default/files/media/documents/2021%200924%20FEPAC%20Standards_0. pdf.

Forensic Chemistry Concentration Requirements
General Education Requirements: 30 credit hours for first time freshmen or transfer students beginning fall 2023 (the natural and physical sciences discipline area can be fulfilled through the B.S. in Criminalistics core curriculum)..
Program Core Requirements: 47 credit hours Program
Concentration Requirements: 26 hours
Electives: 17 hours
Program Hours: 120 credit hours

The proposed B.S. Criminalistics – Forensic Chemistry concentration program is designed so that the FHSU Chemistry Department can seek certification through the American Chemical Society (ACS) – Committee on Professional Training (CPT) program, at a future time. The B.S. Chemistry program offered at FHSU currently has this certification. The ACS is the largest professional network for chemists. Thus, this program concentration can enjoy the benefits available to regular chemistry programs as provided by ACS. In spring 2022, ACS piloted an electronic badging program to certified graduates which can be used on LinkedIn profiles or other social media sites and are electronically linked to the standards that a student must meet in order to receive a certified degree. Benefits and additional information on ACS-CPT certification process can be accessed through https://www.acs.org/content/acs/en/education/policies/acs-approval-program.html.

Forensic Biology Concentration Requirements
General Education Requirements: 30 credit hours for first time freshmen or transfer students beginning fall 2023 (the natural and physical sciences discipline area can be fulfilled through the B.S. in Criminalistics core curriculum).
Program Core Requirements: 47 credit hours
Program Concentration Requirements: 27 hours
Electives: 16 hours
Program Hours: 120 credit hours

Crime Mapping & Spatial Analysis Concentration Requirements
General Education Requirements: 30 credit hours for first time freshmen or transfer students beginning fall 2023 (the natural and physical sciences discipline area can be fulfilled through the B.S. in Criminalistics core curriculum).
Program Core Requirements: 47 credit hours Program
Concentration Requirements: 30 hours
Electives: 13 hours

Program Hours: 120 credit hours

The program core and requirements listed for each concentration can be found in Appendix A: *BS Criminalistics Concentration Requirements*.

An example of a recommended path to program completion for students seeking a BS in Criminalistics, Chemistry concentration, together with the Kansas Board of Regents systemwide general education program, follows:

Year 1: Fall **SCH = Semester Credit Hours**

Course #	Course Name	SCH….
	***English Discipline Area	3
	***Math & Statistics Discipline Area	3
CHEM 120/120L	***University Chemistry I with Lab (Meets Natural and Physical Sciences Discipline Area)	5
CRJ 200	Criminology	3
	Total Hours	14

Year 1: Spring

Course #	Course Name	SCH….
	***English Discipline Area	3
	***Social & Behavioral Sciences Discipline Area	3
CHEM 122/122L	University Chemistry II with Lab	5
CRJ 210	Criminalistics (New Course)	3
	Total Hours	14

Year 2: Fall

Course #	Course Name	SCH….
	***Communication Discipline Area	3
	***Arts & Humanities Discipline Area	3
CHEM 304/304L or CHEM 340/340L	Essentials of Organic Chemistry or Organic Chemistry I	5
CRJ 245	Criminal Justice Ethics	3
	Total Hours	14

Year 2: Spring

Course #	Course Name	SCH….
	***Social & Behavioral Sciences Discipline Area	3
	***Arts & Humanities Discipline Area	3
CHEM 342/342L	Organic Chemistry II with Lab	5
CHEM 382	Intro to Forensic Science	3
CRJ 307	Administration of Justice Systems	3
	Total Hours	17

Year 3: Fall

Course #	Course Name	SCH….

	***Institutionally Designated Area	3
CHEM 350/350L	Chemical Analysis with Lab	5
CRJ 331	Criminal Law & Procedure	3
CRJ 355	Criminal Investigation	3
	Elective	3
	Total Hours	17

Year 3: Spring

Course #	Course Name	SCH….
	***Institutionally Designated Area	3
CHEM 360/360L or CHEM662	Essentials of Biochemistry with Lab	5
CRJ 350	Drugs & Society	3
	Elective	3
	Elective	2
	Total Hours	16

Year 4: Fall

Course #	Course Name	SCH….
CHEM 656/656L	Instrumental Analysis with Lab	5
CRJ 600	Internship	3
CRJ 395	Crime Analysis	3
CRJ 390	Sex Crimes	3
	Total Hours	14

Year 4: Spring

Course #	Course Name	SCH….
CHEM 666 or student selected chem lecture course	Inorganic Chemistry or student selected chem lecture	3
CHEM 634L or student selected chem lab course	Advanced Physical and Inorganic Lab or student selected chem lab	2
	Elective	3
	Elective	3
	Elective	3
	Total Hours	14

*** KBOR Systemwide General Education requirement

Total Number of Semester Credit Hours.....120

VIII. Core Faculty

Note: * Next to Faculty Name Denotes Director of the Program, if applicable FTE: 1.0
FTE = Full-Time Equivalency Devoted to Program

This program will not require a director, and no additional faculty positions are requested, as all course

requirements for this interdisciplinary program (except two) are currently taught as part of existing programs. The new course that will be developed by the Criminal Justice Program (CRJ 210 Criminalistics) will replace an existing course that will be discontinued (CRJ 330 Culture and Crime). The new course that will be developed by the Department of Biology (BIOL 685 Microbiology) will be taught by an existing faculty position specialized in this area. The names of department chairs representing criminal justice, chemistry, biology, and geosciences are included for reference as well as current department faculty who may or will teach courses in the existing programs with concentrations for the Bachelor of Science in Forensic Science. Because FHSU has moved to a professional advising model, effective Fall 2022, no faculty will be assigned to advising; however, one faculty member from criminal justice, chemistry, biology, and geosciences will be assigned as a program mentor.

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
Criminal Justice Faculty					
Tamara Lynn, Department Chair	Associate Professor	PhD	Y	Criminal Justice, Generalist	0.125
Ziwei Qi	Assistant Professor	PhD	Y	Criminal Justice, Theory and Ethics	0.125
Morgan Steele	Assistant Professor	PhD	Y	Criminal Justice, Policing and Quantitative Methods/Crime Analysis	0.50
April Terry	Associate Professor	PhD	Y	Criminal Justice, Theory	0.125
Troy Terry	Instructor	MLS	N	Criminal Justice, Generalist	0.125
Chemistry Faculty					
Arvin Cruz, Department Chair	Associate Professor	PhD	Y	Instrumental Analysis/Physical-Inorganic Chemistry	0.125
Margaret Braasch-Turi	Instructor/Assistant Professor	PhD	Y	Organic Chemistry	0.125
James Balthazor	Associate Professor	PhD	Y	Biochemistry & Molecular Biophysics	0.125
Krisztina Bencze	Assistant Professor	PhD		Biochemistry/General Chemistry	0.125
Edwin Olmstead	Assistant Professor	PhD		Analytical & Inorganic Chemistry	0.125
Steve Reed	Instructor	MS	N	General Chemistry	0.125
Masakatsu Watanabe	Assistant Professor	PhD		Physical Chemistry & General Chemistry	0.125
Biology Faculty					

Tara Phelps-Durr Department Chair	Professor	PhD	Y	Plant Molecular Biologist Molecular Biology, Genetics	0.125
Claudia Carvalho	Lecturer	PhD	N	Microbiology	0.50
Medhavi Ambardar	Assistant Professor	PhD	Y	Human Physiology	0.125
Eric Gillock	Professor	PhD	Y	Virology, Bacteriology, Molecular Biology	0.125
Chris Bennett	Professor	PhD	Y	Human Anatomy	0.125
David Tarailo	Instructor	PhD	N	Human Anatomy	0.125
Geosciences Faculty					
Todd Moore Department Chair	Associate Professor	PhD	Y	Geosciences	0.125
Keith Bremmer	Assistant Professor	PhD	Y	Human Geography	0.125
Richard Lisichenko	Professor	PhD	Y	Geographic Information Systems (GIS)	0.125
Tom Schafer	Associate Professor	PhD	Y	Physical Geography, Cartography	0.125

IX. Expenditure and Funding Sources *(List amounts in dollars. Provide explanations as necessary.)*

A. EXPENDITURES	First FY	Second FY	Third FY
Personnel – Reassigned or Existing Positions			
Faculty	$0	$0	$0
Administrators *(other than instruction time)*	$0	$0	$0
Graduate Assistants	$0	$0	$0
Support Staff for Administration (*e.g., secretarial*)	$0	$0	$0
Fringe Benefits *(total for all groups)*	$0	$0	$0
Other Personnel Costs	$0	$0	$0
Total Existing Personnel Costs – Reassigned or Existing	$0	$0	$0
Personnel – New Positions			
Faculty	$0	$0	$0
Administrators *(other than instruction time)*	$0	$0	$0
Graduate Assistants	$0	$10,000	$10,000
Support Staff for Administration (*e.g., secretarial*)	$0	$0	$0
Fringe Benefits *(total for all groups)*	$0	$0	$0
Other Personnel Costs	$0	$6,846	$6,983
Total Personnel Costs – New Positions	$0	$16,846	$16,983

Start-up Costs - One-Time Expenses			
Library/learning resources	$0	$0	$0
Equipment/Technology	$0	$0	$0
Physical Facilities: Construction or Renovation	$0	$0	$0
Program Marketing	$7,500	$5,000	$5,000
New Course Development	$6,000	$0	$0
Total Start-up Costs	$13,500	$5,000	$5,000
Operating Costs – Recurring Expenses			
Supplies/Expenses	$3,000	$3,000	$3,000
Library/learning resources	$0	$0	$0
Equipment/Technology	$0	$0	$0
Travel	$0	$0	$0
Total Operating Costs	$3,000	$3,000	$3,000
GRAND TOTAL COSTS	$16,500	$24,846	$24,983

B. FUNDING SOURCES *(projected as appropriate)*	Current	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds & Student Fees	$5,081	$33,686	$70,982	$110,683
Other Sources				
GRAND TOTAL FUNDING		$33,686	$70,982	$110,683

C. Projected Surplus/Deficit (+/-) (Grand Total Funding *minus* Grand Total Costs)		$17,186	$46,136	$85,700

X. Expenditures and Funding Sources Explanations

A. Expenditures

Personnel – Reassigned or Existing Positions

All core faculty are currently employed by Fort Hays State University in the College of Arts, Humanities, & Social Sciences or the College of Science, Technology, & Mathematics. Faculty in the College of Arts, Humanities, & Social Sciences already teach the existing courses in the proposed interdisciplinary program except for one new course that will be developed specific to criminal justice (CRJ 210 Criminalistics). Faculty in the College of Science, Technology, & Mathematics already teach the existing courses in the proposed program except for one new course that will be developed specific to biology (BIOL 685 Microbiology). Because program courses are currently offered as part of existing programs, minus the two newly created

courses, and as part of faculty's teaching responsibilities in their respective units, there is not an increased percent of effort on faculty time (except for the potential of increased class size). Faculty expenses are calculated at a rate of 0.125 except for the two faculty (criminal justice and biology) who will be teaching a newly created course, with their rate calculated at 0.50. The university will not incur additional personnel costs related to existing positions for implementation of the new program as these expenditures are already in place for existing programs. In addition, it is not anticipated that program courses will reach capacity in the first three years of the program; therefore, no additional new faculty lines are required.

Personnel – New Positions
The only new position proposed for this major is a Graduate Assistant (GA) specific to forensic science beginning in year 2 of the program. Funding includes an annual $10,000 stipend ($5,000/semester) and tuition for nine credit hours per semester at the average rate of on-campus and online tuition. Tuition is calculated with a 2% increase over the previous year for year 3.

Start-up Costs – One-Time Expenses
We request a marketing budget for years one through three to promote the new program, with a preliminary request of $7,500 for year one and $5,000 each for years two and three. An exact budget will require an assessment by University Marketing. This funding is requested from the College of Arts, Humanities, & Social Sciences, the College of Peter Werth College of Science, Technology, and Mathematics, and through the Strategic Enrollment Plan. In addition to marketing, we request $6,000 to develop the two new courses at a rate of $3,000 per course.

Operating Costs – Recurring Expenses
The chemistry and biology departments request additional funds to cover consumables such as lab supplies, chemical reagents, personal protective equipment (PPE) and equipment upgrades.

B. Revenue: Funding Sources

Projected tuition and fees are calculated using undergraduate resident/regional tuition (in which FHSU offers in-state tuition to residents from Kansas and 13 other states) to align with the proposed curriculum map (28 credit hours year 1 plus 2% increase over current year; 31 hours year 2 plus 2% increase over year one; and 33 hours year 3 plus 2% increase over year two). The AY 2022-2023 cost per undergraduate credit hour for Kansas/Regional residents is $181.46. Tuition/fees are calculated each year with the projection of five new full-time students and three new part-time students enrolling each year for the first three years. The program will be supported by the base tuition and fees generated. No other funding sources will be necessary.

C. Projected Surplus/Deficit

Project Surplus	
Year 1	$17,186
Year 2	$46,136
Year 3	$85,700
Total	$149,022

XI. References

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Appendix A: *BS Criminalistics Concentration Requirements*

Bachelor of Science Criminalistics Concentration Requirements

Bachelor of Science in Criminalistics – Core Requirements	
CHEM 120/120L	University Chemistry I + Lab (5) (Meets general education Natural Scientific Lecture and Lab mode of inquiry)
CHEM 122/122L	University Chemistry II + Lab (5)
CRJ 200	Criminology (3)
CRJ 210*	Criminalistics (3)
CRJ 245	Criminal Justice Ethics (3)
CHEM 304/304L or CHEM 340/340L	Essentials of Organic Chemistry + Lab (5) or Organic Chemistry I + Lab (5) for chemistry concentration
CRJ 307	Administration of Justice Systems (3)
CRJ 331	Criminal Law & Procedure (3)
CRJ 355	Criminal Investigation (3)
CHEM 360/360L or CHEM 662/662L	Essentials of Biochemistry + Lab (5) or Biochemistry I + Lab (5) for chemistry concentration
CHEM 382	Introduction to Forensic Science (3)
CRJ 395	Crime Analysis (3)
Either:	
CRJ 499	Capstone Seminar in Criminal Justice (3)
CRJ 600	Internship (3)
Total Core Hours	**47 hours**

*The is one of two courses that will be created for the Bachelor of Science in Criminalistics with the second course created for the biology concentration.

Forensic Chemistry Concentration Courses (26 hours)	
CHEM 342/L	Organic Chemistry II + Lab (5)
CHEM 350/L	Chemical Analysis + Lab (5)
CHEM 656/L	Instrumental Analysis + Lab (5)
CRJ 350	Drugs & Society (3)
CRJ 390	Sex Crimes (3)
One of the following:	
CHEM 352/352L	Environmental Chemistry + Lab (5)
CHEM 666 & CHEM 634L	Inorganic Chemistry (3) + Advanced Physical and Inorganic Laboratory (2)
CHEM 664/L	Biochemistry II + Lab (5)
CHEM 430/430L	Survey of Physical Chemistry + Lab (5)
Potential Career:	Crime lab analyst Forensic lab analyst/pathologist Quality investigator scientist Chemical safety officer Pharmaceutical chemical methods lab development scientist
Real World Applications:	Forensic evidence recovery/research/molecular testing
	Instrumental methods of chemical analysis
	Qualitative and quantitative chemical analysis

Forensic Biology Concentration Courses (27 hours)	
BIOL 180/180L	Principles of Biology + Lab (4)
BIOL 240/240L	Microbiology for Allied Health + Lab (4)
BIOL 325/325L	Genetics + Lab (4)
BIOL 345/345L	Human Anatomy + Lab (4)
BIOL 346/346L	Human Physiology + Lab (4)
BIOL 685**	Molecular Biology (4)
One of the following:	
CRJ 350	Drugs & Society (3)
CRJ 375	Serial Predators (3)
CRJ 390	Sex Crimes (3)
Potential Career:	DNA analyst Deputy Coroner
Real World Applications:	Identification of unknown individuals through DNA, biometrics or friction ridge impressions (e.g., fingerprints)

**BIOL 685 is the second course that will be developed for the program; however, it is specific to the biology concentration and will have no impact on core requirements or the chemistry and geosciences concentrations

Crime Mapping & Spatial Analysis Concentration Courses (30 hours)	
GSCI 240	Intro to Geographic Information Systems (GIS) (3)
GSCI 360	Intermediate GIS (3)
GSCI 290	Cartography (3)
GSCI 330	Remote Sensing Concepts (3)
GSCI 603	Urban Geography (3)
GSCI 630	Geostatistics and Spatial Data Analysis (3)
GSCI 625	Advanced GIS (3)
GSCI 655	GIS Programming (3)
CRJ 275	Crime & Society (3)
SOC 384	Social Problems (3)
Potential Career:	Crime data analyst
Real World Applications:	Identifying the spatial patterns of crime incidents Geographic profiling

Program Approval

Summary

Universities may apply for approval of new academic programs following the guidelines in the Kansas Board of Regents Policy Manual. Pittsburg State University has submitted an application for approval and the proposing academic unit has responded to all of the requirements of the program approval process.

June 14, 2023

I. General Information

A. Institution Pittsburg State University

B. Program Identification

Degree Level:	Doctoral Program
Program Title:	Leadership
Degree to be Offered:	Doctor of Nursing Practice
Emphases:	Organizational Leadership or Educational Leadership
Responsible Department or Unit:	Irene Ransom Bradley School of Nursing
CIP Code:	51.3838
Modality:	Online
Proposed Implementation Date:	Summer 2024

Total Number of Semester Credit Hours for the Degree: 34 hours

II. Clinical Sites: Does this program require the use of Clinical Sites? Yes

Over 100 clinical contracts and preceptor agreements are maintained with all major healthcare systems in the region, community facilities, schools, and other healthcare providers and sites. Contracts and preceptor agreements are added on a regular basis.

Education Emphasis students will be expected to set up a clinical agreement with a professor in a college/university nursing department/school or an education department in a healthcare organization to complete their TE 892 College Teaching Internship capstone course. The expected demand is highest in the Irene Ransom Bradley School of Nursing as the local available option. However, students could enroll in this program from across the United States and even into Canada. The demand from PSU students upon these agencies would be minimal, though they may collaborate with students from other universities. The Inter-Institutional Non-Binding Memorandum of Understanding for Clinical Affiliation Site Cooperation would not apply to this degree program.

III. Justification

Pittsburg State University currently offers a DNP degree with an emphasis in Advanced Practice Nursing. The Graduate Coordinator in the Irene Ransom Bradley School of Nursing receives an average of 2-3 unsolicited external inquiries per week from prospective students who are looking for a post-Master's DNP in Leadership. In the month of January 2023, there were 31 inquiring for this program. These inquiries come from Master's prepared registered nurses who are not advanced practice nurses, but desire the DNP degree to further their education and career. Additionally, a 2021 feasibility study demonstrated interest in this degree emphasis. A Leadership major with emphasis options in Organizational Leadership or Educational Leadership will prepare the nurse to lead in creating solutions for healthcare, paving the way for a healthier future for rural communities. Pittsburg State University is the leading micropolitan university with the mission of improving lives through

education. Adding the Leadership major under a DNP degree fits this mission at PSU and in the Irene Ransom Bradley School of Nursing.

IV. Program Demand: Select one or both of the following to address student demand:

A. Survey of Student Interest

A feasibility study was conducted in Spring 2021. The survey was made available to stakeholders through social media on the Irene Ransom Bradley School of Nursing Facebook account. It is impossible to determine how many people had access to the survey. Seventy percent of respondents were staff nurses in inpatient or community-based facilities. The remainder were in leadership positions, advanced practice nurses or retired.

Number of surveys administered: ……. Unknown
Number of completed surveys returned: ……. 79
Percentage of students interested in program: … 53%

B. Market Analysis

An analysis of colleges and universities in Kansas and the states bordering the southeast corner of the state (Missouri, Arkansas, Oklahoma) was conducted. The Leadership DNP is only available at the University of Kansas (Kansas City, KS), Barnes Jewish College (Saint Louis, MO), Graceland University (Independence, MO), the University of Missouri (Columbia, MO), and the University of Oklahoma (Oklahoma City, OK). Only two of these programs are in close proximity geographically (University of Kansas – 115 miles; Graceland University – 130 miles; University of Missouri – 168 miles). All other regional options are greater than 250 miles away.

Fort Hays State University, Wichita State University, and Washburn University all offer a post-Master's DNP degree, but only for advanced practice nurses. They do not offer a DNP in Leadership for non-advanced practice nurses; therefore, the program Pittsburg State University is proposing would not compete with those existing programs.

Additionally, Pittsburg State University would offer a fiscal competitive advantage over these five universities. Please see the table below.

University	Total Program Tuition	Additional Fees
Pittsburg State University	Instate: $17,816 (34 credits) No out of State Tuition	None
University of Kansas	Instate: $ 21,288 (32 credits) No out of State Tuition	Campus fees - $207/semester
Graceland University	$31,350-34,500 (33 -36 credits) Private University – No Out of State Tuition	Clinical resource fees $25/year Program Support Fee - $18/course Research Fee - $50/credit (11 credits)
University of Missouri	$21,760 (33 credits) Out of State $39,303	No additional fees.
Barnes Jewish College	$28,805 (36 credits) Private College – No Out of State Tuition	Fees included in total tuition rate.
University of Oklahoma	Instate: $15,475 – 18, 326 (38-45 credits) Out of State ($40,470 – 48,925)	Fees included in tuition quotes.

V. Projected Enrollment for the Initial Three Years of the Program

Year	Total Headcount Per Year		Total Sem Credit Hrs Per Year	
	Full- Time	Part- Time	Full- Time	Part- Time
Implementation	0	6	0	78
Year 2	0	12	0	162
Year 3	0	18	0	204

VI. Employment

According to the American Association of Colleges of Nursing (AACN), in AY 2021-2022 U.S. nursing schools turned away 91,938 qualified applicants from baccalaureate and graduate nursing programs due to insufficient number of faculty, clinical sites, classroom space, clinical preceptors, and budget constraints (Nursing Faculty Shortage Fact Sheet, available at https://www.aacnnursing.org/Portals/42/News/Factsheets/Faculty-Shortage-Factsheet.pdf, p. 1). Additionally, in the same report 2,166 full-time faculty vacancies were identified and a need to create an additional 128 faculty positions to accommodate student demand. (p. 1). Compounding this issue is the fact that 1/3 of all current nursing faculty are expected to retire by 2025. This communicates the large potential for employment in the academic arena. According to the U.S. Bureau of Labor Statistics, the job outlook for 2021-31 for Health Education Specialists is 12% (much faster than average) (https://www.bls.gov/ooh/community-and-social-service/health-educators.htm#tab-1).
The overall job outlook for Medical and Health Services Managers (Nurse Leaders included but not encompassing) is 28% (much faster than average). (U.S. Bureau of Labor Statistics, https://www.bls.gov/ooh/management/medical-and-health-services-managers.htm)

Many of the prospective students for the proposed DNP in Leadership at PSU will already have one of these positions and will be adding to their educational qualifications to maintain those roles or advance in them.

VII. Admission and Curriculum

A. Admission Criteria

Doctor of Nursing Practice Admission Criteria:

- Admission to PSU Graduate College.
- GPA 3.5 or above cumulative GPA in graduate coursework.
- Three confidential letters of reference.
- Graduation from a nationally accredited nursing program.
- Documentation of RN licensure and current employment as a RN.
- Evidence of completion of separate graduate level nursing physical assessment, pharmacology, pathophysiology, and graduate level statistic courses.
- Applicants who are born outside of the U.S. must submit proof that they have passed the TOEFL or IELTS.
- Personal interview may be required.
- Proof of national certification is preferred but not required.
- Self-report of arrests, convictions, diversions, and/or current disciplinary action against all licenses, certifications and/or registrations or disciplinary action by a state board or a governmental agency.
- Signed Consent for Background Check Form.
- Applicants licensed and living in a state other than Kansas are required to complete Kansas Bureau of Investigation Background Check.
- Documentation of faculty-supervised practicum hours in the MSN.

B. Curriculum

Please see Attachment A for a list of Emphasis Core Courses.

Year 1: Summer **SCH = Semester Credit Hours**

Course #	Course Name	SCH
NURS 801	DNP Intensive Seminar	1
NURS 895	Interpreting Research for Evidence Based Practice	2
	Total Credits in the Semester	**3**

Year 1: Fall **SCH = Semester Credit Hours**

Course #	Course Name	SCH
NURS 808	Translation to Doctoral Leadership and Theory	3
NURS 889	Impact of Health Determinants	3
	Total Credits in the Semester	**6**

Year 1: Spring

Course #	Course Name	SCH
	Emphasis Core Course	3
NURS 920	Scholarly Project 1 – 48 practicum hours	1
	Total Credits in the Semester	**4**

Year 2: Summer

NURS 894	Epidemiology	2
	Possible Educational Emphasis Core Course (Some courses only offered in the summer)	3
	Total Credits in the Semester	**2-5**

Year 2: Fall

Course #	Course Name	SCH
NURS 911	Tools for Practice Scholarship	2
NURS 920	Scholarly Project 2 – 96 practicum hours	2
	Total Credits in the Semester	**4**

Year 2: Spring

Course #	Course Name	SCH
NURS 900	Quality and Safety	3
NURS 920	Scholarly Project – 96 practicum hours	2
	Emphasis Core Course	3
	Total Credits in the Semester	**8**

Year 3: Fall

Course #	Course Name	SCH
NURS 920	DNP Scholarly Project – 48 practicum hours	1
	Emphasis Core Course	3
	Total Credits in the Semester	**4**

Year 3: Spring

Course #	Course Name	SCH
TE 892	College Teaching Internship – 144 practicum hours (Education Emphasis)	3

OR HRD 858	OR Evidence Based Leadership Coaching	
	Total Credits in the Semester	**3**

Total Number of Semester Credit Hours ……. [34]

VIII. Core Faculty

Note: * Next to Faculty Name Denotes Director of the Program, if applicable
FTE: 1.0 FTE = Full-Time Equivalency Devoted to Program

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
Cheryl Giefer	University Professor	PhD	Y	Health Education, Advanced Practice, Family	0
Barbara McClaskey	University Professor	PhD	Y	Advanced Practice, Family, Maternal-Child Health Nursing	5%
Janis Schiefelbein	Professor	PhD	Y	Nursing, with an emphasis in Health Promotion and Distance Education, Community Health Nursing	5%
Karen Johnson	Associate Professor	PhD	Y	Pharmacology, Advanced Practice, Family, Nursing Education	15%
Jennifer Harris	Associate Professor	PhD	Y	Advanced Practice, Family	15%
Amy Hite	Professor	DNP/EdS	Y	Advanced Practice, Family	0
Kristi Frisbee	Associate Professor	DNP	Y	Leadership, Educational Leadership, Community Health, Scholarly Project	20%
Gena Coomes	Assistant Professor	PhD	Y	Nursing, Nursing Education	5%
Trina Larery	Assistant Professor	DNP	Y	Advanced Practice, Family, Nursing Education	5%
Ashleigh Heter	Assistant Professor	DNP	Y	Advanced Practice, Family	5%
Mandi Alonzo	Assistant Professor	PhD	Y	Nursing, Advanced Practice, Psych/Mental Health, Nursing Education	20%
Tracy Stahl	Assistant Professor	DNP	Y	Advanced Practice, Family, Pediatrics	5%

Number of graduate assistants assigned to this program ……. **[0]**

IX. Expenditure and Funding Sources

A. EXPENDITURES	First FY	Second FY	Third FY
Personnel – Reassigned or Existing Positions			
Faculty	0	0	0
Administrators *(other than instruction time)*	0	0	0
Graduate Assistants	0	0	0
Support Staff for Administration (*e.g., secretarial*)	0	0	0
Fringe Benefits *(total for all groups)*	0	0	0
Other Personnel Costs	0	0	0
Total Existing Personnel Costs – Reassigned or Existing	0	0	0
Personnel – New Positions			
Faculty	0	0	0
Administrators *(other than instruction time)*	0	0	0
Graduate Assistants	0	0	0
Support Staff for Administration (*e.g., secretarial*)	0	0	0
Fringe Benefits *(total for all groups)*	0	0	0
Other Personnel Costs	0	0	0
Total Existing Personnel Costs – New Positions	0	0	0
Start-up Costs - One-Time Expenses			
Library/learning resources	0	0	0
Equipment/Technology	0	0	0
Physical Facilities: Construction or Renovation	0	0	0
Other	0	0	0
Total Start-up Costs	0	0	0
Operating Costs – Recurring Expenses			
Supplies/Expenses	0	0	0
Library/learning resources	0	0	0
Equipment/Technology	0	0	0
Travel	0	0	0
Other	0	0	0
Total Operating Costs	0	0	0
GRAND TOTAL COSTS	0	0	0

B. FUNDING SOURCES *(projected as appropriate)*	Current	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds		$40, 872	$84,888	$106,896
Student Fees				
Other Sources				
GRAND TOTAL FUNDING		$40, 872	$84,888	$106,896
C. Projected Surplus/Deficit (+/-) (Grand Total Funding *minus* Grand Total Costs)		$40,872	$84,888	$106,896

X. Expenditures and Funding Sources Explanations

A. Expenditures
Personnel – Reassigned or Existing Positions

Each of the courses in the plan of study are already being taught at PSU. This new program would only result in increased enrollment in existing courses. There will be no additional costs to begin this program.

Personnel – New Positions

No additional personnel will be required to support this program.

Start-up Costs – One-Time Expenses

No start-up costs will be incurred with this new program.

Operating Costs – Recurring Expenses

No recurring expenses will be incurred with this new program.

B. Revenue: Funding Sources

Tuition and Fees per credit hour for the Doctor of Nursing Practice Program: $524. We anticipate 6 students enrolling in each cohort:

Year 1: $524 x 6 students x 13 credit hours = $40,872
Year 2: $524 x 6 students x 14 credit hours = $44,016 + $40,872 (for the 2nd cohort of Year 1) = $84,888
Year 3: $524 x 6 students x 7 credit hours = $22,008 + $44,016 (for the 2nd cohort of Year 2) + $40,872 (for the 3rd cohort of Year 1) = $106,896

C. Projected Surplus/Deficit: Starting with Year 3, if 6 students start and end in the projected time frame, the projected surplus would be $106,896/year.

XI. References

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Attachment A

Emphasis Core Courses (12 Hours):

Organizational Leadership	CR	Educational Leadership	CR
HRD 852 Organizational Development and Change (48 hours)	3	*In Collaboration with Advisor, Select 9 hours from:* TTED 750 Mentoring Principles for Professionals TTED 779 Instructional Methods TTED 832 Needs Assessment TTED 845 Instructional Planning and Curriculum Development TTED 893 Student Assessment Development in Career and Technical Education LDSP 870 Grant Writing and External Resources PSYCH 810 Advanced Educational Psychology	9
TTED 802 Adaptive Leadership	3		
TTED 832 Needs Assessment	3		
HRD 858 Evidence Based Leadership Coaching	3	TE 892 College Teaching Internship – 144 practicum hours	3
Total Emphasis Core Hours	12		12

ACADEMIC AFFAIRS

WICHITA STATE UNIVERSITY

MEMORANDUM

TO: Dr. Daniel Archer, Vice President for Academic Affairs
Kansas Board of Regents

FROM: Dr. Shirley Lefever, Executive Vice President & Provost

DATE: May 9, 2023

SUBJECT: Request for Department Name Change from Department of Engineering Technology to *Department of Applied Engineering*

The purpose of this memorandum is to request a department name change from Department of Engineering Technology to Department of Applied Engineering.

The department name change follows from the April 25, 2023 approval of the program name change from BS in Engineering Technology to BS in Applied Engineering.

No additional resources are needed as a result of this department name change.

If you have any additional questions, please feel free to contact me at your convenience.

1845 Fairmount Street | Wichita, Kansas 67260-0013
tele: (316) 978-3010 **wichita.edu**

KANSAS STATE UNIVERSITY | Office of the Provost and Executive Vice President

May 12, 2023

TO: KBOR Council of Chief Academic Officers (COCAO)

FROM: Charles Taber, Provost and Executive Vice President

RE: Program Degree-Type Change Request

Kansas State University requests a degree type change for its Professional Science Master's (PSM) in Applied Biosciences to a **Master of Science (MS) in Applied Biosciences**. This request comes from the School of Applied and Interdisciplinary Studies at our Olathe campus.

The request to change the degree name is prompted by discussions with both internal and external stakeholders. Based on feedback from our internal interdisciplinary advisory committee and our external advisory board comprised of industry leaders, the PSM degree name is contributing to low enrollments due to lack of student awareness of PSM degree types. The PSM degree type is also not as recognizable as the MS by the industries that recruit and employ students who graduate from the program. Therefore, we believe that changing the degree type to a MS in Applied Biosciences will drive higher enrollment in the program.

The change from PSM to MS is the only change requested. The program will continue to maintain the same structure, curriculum, and affiliation with the National PSM Association. The program will also continue to be guided by the purpose of PSM programs to provide students with advanced studies in the sciences while allowing them to develop in-demand professional skills and obtain applied research training. The proposal followed the appropriate approval and routing procedures and was approved by Faculty Senate on May 9, 2023.

Thank you for your consideration of this request.

Sincerely,

Charles Taber, Provost and Executive Vice President
Kansas State University

cc: Ben Wolfe, Dean and CEO K-State Olathe
Daniel Archer, VP Academic Affairs, KBOR
Samantha Christy-Dangermond, AVP Academic Affairs, KBOR

108 Anderson Hall, Manhattan, KS 66506-0113 | (785) 532-6224 | fax: (785) 532-6507 | k-state.edu/provost

KANSAS STATE UNIVERSITY | Office of the Provost and Executive Vice President

May 22, 2023

Daniel Archer
Vice President for Academic Affairs
Kansas Board of Regents
1000 SW Jackson Street, Suite 520
Topeka, KS 66612-1368

Dear Vice President Archer,

Kansas State University requests to change the name of the BS in Feed Science and Management to a BS in Feed and Pet Food Science.

This name change reflects an alignment with current industry practices. Targeted alumni and industry leaders within the feed and pet food industry were consulted to ascertain the benefits generated by this name change.

Kansas is second in the country in pet food manufacturing, employment, and dollars generated. Our stakeholder conversations confirmed that there is a need to modernize and revitalize the feed science program to become more appealing to the target audience in both the pet food and livestock feed sectors. Feed processing and pet food manufacturing share many of the same raw materials and upstream processes and are thereby a complementary pairing.

The only curricular changes associated with this name change are the creation of a Production and Management Option and a Science Option for the degree. These options target two types of career opportunities within the feed and pet food industries. The 'Production and Management' option will train students to fill positions in operations, quality assurance, and management of manufacturing facilities and businesses. The 'Science' option will train students for research and development positions or prepare them for graduate or professional school.

We believe this degree name change better reflects Kansas State University's strengths in workforce development in one of the industry strengths in Kansas. Thank you for your consideration of this request.

Sincerely,

Charles Taber
Provost and Executive Vice President

cc: Samantha Christy-Dangermond, KBOR Assoc. Vice President, Academic Affairs
Ernie Minton, Dean, College of Agriculture, Kansas State University

108 Anderson Hall, Manhattan, KS 66506-0113 | (785) 532-6224 | fax: (785) 532-6507 | k-state.edu/provost

THE UNIVERSITY OF KANSAS
Office of the Provost

TO: Daniel Archer, Vice President for Academic Affairs
Kansas Board of Regents

FROM: Barbara A. Bichelmeyer
Barbara A. Bichelmeyer
Provost & Executive Vice Chancellor

DATE: May 23, 2023

RE: Name Change Requests

The University of Kansas requests to change the name of four degrees within the Department of Theatre and Dance and two degrees within the Department of Curriculum & Teaching as detailed below. As with all requests submitted herein, the department is not requesting a change in the curriculum or CIP code, but seeks to align the name of each degree with disciplinary practices and the existing curriculum.

A. Department of Curriculum & Teaching/School of Education & Human Sciences
1. BSE in Elementary Teacher Education to BSE in Elementary Education
2. BSE in Secondary Teacher Education to BSE in Secondary Education

The department seeks to remove "Teacher" from the name of the major to streamline the degree. For the Elementary Education degree, this request aligns with the titles used by other state universities and the department seeks to align the title of the secondary education degree with the elementary education degree.

B. Department of Theatre and Dance/School of the Arts/College of Liberal Arts & Sciences

1. MA in Theatre to MA in Theatre & Performance Studies
2. PhD in Theatre to PhD in Theatre & Performance Studies

The department currently offers a Master of Arts and a Doctor of Philosophy in Theatre; in both cases, faculty would like to change the degree name to "Theatre and Performance Studies." Adding "Performance Studies" will allow for the reflection of the range of faculty research and teaching as well as the dissertation projects of graduate students. It would also better reflect the nature of the discipline and better align with current practice.

While not every graduate program in theatre has added performance into their degree names over the past twenty or so years, many have – including several of our peer and aspirational peer institutions, such as:
• Brown University, Ph.D. in Theatre and Performance Studies
• Stanford University, Ph.D. in Theatre and Performance Studies
• Tufts University, Ph.D. in Theatre and Performance Studies
• University at Buffalo – SUNY, Ph.D. in Theatre and Performance
• University of California, Berkeley, Ph.D. in Performance Studies
• University of California, Los Angeles, Ph.D. in Theater and Performance Studies
• University of Chicago, Ph.D. in Theater and Performance Studies
• University of Colorado Boulder, Ph.D. in Theatre and Performance Studies
• University of Georgia, Ph.D. in Theatre and Performance
• University of Maryland, Ph.D. in Theatre and Performance Studies
• University of Pittsburgh, Ph.D. in Theatre and Performance Studies

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3. BFA in Theatre to BFA in Theatre Design

The department currently offers a Bachelor of Fine Arts in Theatre and seeks to change the degree name to "Theatre Design." This better reflects the curricular offerings, and aligns the unit with best practices in theatre nationally.

4. MFA in Theatre to MFA in Scenography

The department currently offers a Master of Fine Arts in Theatre. KU seeks to change the degree name of the MFA to "Scenography." In addition to better reflecting the department's curricular focus, the graduate program's emphasis on scenography (a unified approach to scenic, lighting, and costume design) has long been a point of distinction for KU among our peer institutions.