KANSAS BOARD OF REGENTS
COUNCIL OF CHIEF ACADEMIC OFFICERS

VIDEO CONFERENCE AGENDA
June 17, 2020
9:00 am – 9:50 am

The Council of Chief Academic Officers (COCAO) will meet by video conference (this was originally scheduled as a face-to-face meeting in Topeka) and will be live streamed for the public. Meeting information will be sent to participants via email, or you may contact arobinson@ksbor.org.

I.	**Call to Order**	David Cordle, Chair	
	A. Roll Call		
	B. Approve Minutes from the May 14, 2020 Special Meeting		p. 4
	C. Approve Minutes from the May 20, 2020 Meeting		p. 7
II.	**Requests**		
	A. First Readings		
	1. BA & BS in Integrated Computer Science – K-State	Chuck Taber	p. 10
	2. BS in Public Health – K-State	Chuck Taber	p. 22
	3. Bachelor of Health Sciences - KU	Barbara Bichelmeyer	p. 31
	B. Other Requests		
	1. Act on Request for Degree Name Change of BA and BS in Fisheries, Wildlife, and Conservation Biology to Fisheries, Wildlife, Conservation, and Environmental Biology – K-State	Chuck Taber	p. 41
	2. Act on Request for Approval to Change Name of School of Integrated Studies to Department of Integrated Studies – K-State	Chuck Taber	p. 42
	3. Act on Request for Approval to Create Department of Aviation – K-State	Chuck Taber	p. 42
	4. Act on Request for Approval to change MA in Microbiology to MS in Microbiology – KU	Barbara Bichelmeyer	p. 43
	5. Act on Request for Approval to change MA in Biochemistry & Biophysics to MS in Biochemistry & Biophysics – KU	Barbara Bichelmeyer	p. 43
	6. Act on Request for Approval to change MA in Molecular, Cellular, & Developmental Biology to MS in Molecular, Cellular, & Developmental Biology – KU	Barbara Bichelmeyer	p. 43
III.	**Council of Faculty Senate Presidents Update**	Aleksander Sternfeld-Dunn, WSU	
	A. Welcome and Introductions		
IV.	**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	
	B. New Business	COCAO Members	

V. Next COCAO Meeting – September 2020

- Approve minutes from June 17th Meeting
- New Program Approvals and Requests
- Introductions/Potential Schedule Adjustments

VI. Adjournment

The University Press of Kansas Board of Trustees will meet upon adjournment via a separate video conference.

COUNCIL OF CHIEF ACADEMIC OFFICERS

The Council of Chief Academic Officers, 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:

David Cordle, Chair	ESU	Daniel Archer	KBOR
Jill Arensdorf	FHSU	Rick Muma	WSU
Robert Klein	KUMC	Howard Smith	PSU
Charles Taber	K-State	Barbara Bichelmeyer	KU
JuliAnn Mazachek	Washburn		

Council of Chief Academic Officers

AY 2020 Meeting Schedule

Meeting Dates	**Location**	**Lunch Rotation**	**Institution Materials Due**	**New Program Requests due**
September 18, 2019	Topeka	WSU	August 30, 2019	July 19, 2019
October 16, 2019	*Conference Call for degree programs only*			
November 20, 2019	Pittsburg State University	PSU	November 1, 2019	September 20, 2019
December 18, 2019	Topeka	ESU	November 29, 2019	October 18, 2019
January 15, 2020	Topeka	KU	December 27, 2019	November 15, 2019
February 19, 2020	Topeka	FHSU	January 31, 2020	December 20, 2019
March 18, 2020	Canceled	KUMC	February 28, 2020	January 17, 2020
April 15, 2020	Video Conference	KSU	March 27, 2020	February 14, 2020
April 24, 2020	*Video Conference – Special Meeting for Fall Enrollment Discussion*			
May 20, 2020	Video Conference	Washburn	May 1, 2020	March 20, 2020
June 17, 2020	Video Conference	ESU	May 29, 2020	April 17, 2020

Council of Chief Academic Officers
MINUTES

Thursday, May 14, 2020

The May 14, 2020 special meeting of the Council of Chief Academic Officers was called to order by Chair David Cordle at 8:32 a.m. Due to the COVID-19 Pandemic, this meeting was held through Zoom and live streamed for the public.

In Attendance:

Members:	David Cordle, ESU	Jill Arensdorf, FHSU	Charles Taber, K-State
	Howard Smith, PSU	Rick Muma, WSU	JuliAnn Mazachek, Washburn
	Barbara Bichelmeyer, KU	Robert Klein, KUMC	
Staff:	Daniel Archer	Sam Christy-Dangermond	Amy Robinson
	Karla Wiscombe	Erin Wolfram	Steve Funk
Others:	Brian Niehoff, K-State	Jean Redeker, KU	Linnea GlenMaye, WSU
	Lori Winningham, Butler CC		

Chair David Cordle welcomed everyone. Attendance was taken by roll call for Committee members, university members, and KBOR staff. This special meeting was called for Kansas public universities to continue sharing information on their planning efforts for summer and fall semesters.

Future Enrollment Discussion

Committee members shared what they are doing on their campus for face-to-face instruction for summer 2020.

- JuliAnn stated Washburn has moved online, with the exception, of health professions and their tech school.
- Chuck stated K-State has moved online, with the exception, of aviation and doctorate of vet med for clinical experiences.
- Howard stated PSU has moved online, with the exception, of their technology area.
- Jill stated FHSU has moved online, with the exception, of limited work in health professions.
- Barbara stated KU is fully online for the summer.
- Linnea stated WSU has moved online or remote. They have additionally changed their coding to remote learning to avoid applying an online fee.
- David stated ESU is online and has also changed coding to avoid fee charges. They have a second summer term starting in July and are trying to hold some of these face-to-face to gain experience with protocols and procedures in a limited capacity.

Committee members shared how they are preparing for on and off campus student services.

- Jill stated FHSU has moved student health services to telehealth for the summer.
- Howard stated PSU is also using telehealth services for the summer.
- Chuck stated K-State has gone to telehealth. As they approach fall, some offices will start to open back up.
- Linnea stated WSU is working on plans to have limited staff on campus during the summer. Some services such as counseling are fully online for the summer.

Committee members discussed the process of making decisions and how they are bringing working groups together to come up with an overall plan.

- Chuck stated K-State has several working groups. These groups report to a hierarchy, and they link the groups to functional areas of relevance.
- David shared that ESU had a central group focusing on the spring semester. This group is now working on planning for late summer and fall. This group works with other smaller groups who deal with instruction, facilities, student life, and other areas.
- Howard stated PSU is similar to ESU. They have asked their larger group to identify crossovers, and each larger group has members comprised of the smaller groups.
- Barbara stated KU is similar. They are creating a document that will articulate guiding principles. KU has morphed their new strategic plan and their recovery plan into a comprehensive plan for fall. They have teams working on specific areas and are intentional about participants.

Committee members discussed safety, instructional delivery, faculty response, and other basic parameters that all universities are working on.

- Barbara stated KU has three risk levels: facilities, type of activity, and people. They are also looking at two mitigation factors: who comes in and out and what system do they use to create parameters.
- Rick questioned how a consistent approach could be developed when each institution has a variety of cultural and student differences. Rick noted he is keeping a journal to document how WSU is working through the pandemic.
- Jill stated the FHSU library is working on archiving projects, including media records.

Committee members discussed how they are preparing faculty for future direction.

- Rick stated WSU has launched training modules. This includes scenarios and how faculty should handle each.
- Jill stated at FHSU they currently have work groups identifying faculty needs.
- Chuck responded that K-State has put together resources and these continue to be enriched. They have also created an online modular course for faculty. More resources will be created as fall plans become identified.
- Howard stated PSU is creating a course inventory to identify courses that are easier to transition. They are also reaching out to faculty to identify training needs.
- Barbara stated KU is setting up parameters, evaluating course inventory, and developing a faculty plan which focuses on areas where support is needed. She noted they are encouraging faculty to recognize the grieving process for changes that have occurred.
- David stated ESU will be sending out faculty communication that puts forth expectations. One of the expectations is that all faculty make use of their Canvas Learning Management System. To help faculty meet these expectations they will do training over the summer, as well as using Zoom based classes to establish a baseline level of ability to use the resources.
- Jill added that FHSU had listening sessions where faculty with more experience teaching online were willing to assist others over the summer. She believes they will use these faculty members as informal mentors.
- Rick stated WSU has launched "Shockers United". This is modeled after the states reopening plan and encompasses their 7 different work groups. https://www.wichita.edu/about/COVID-19/shockers_united They will also be rolling out faculty expectations as they will be requiring all faculty to move to a hybrid course model.
- Robert Klein, from KUMC, discussed their unique clinical situation. The School of Nursing has been an online learning leader for decades. They have moved their remaining courses online as well as becoming a resource for other schools in the university. While he sees some similarities, he noted those having clinical programs will have challenges balancing safety and trying to move students forward.

David asked the Committee if there were any other items for discussion.

- Jill stated she is concerned about obtaining proper supplies that will be required for returning to campus.
- Howard has similar concerns for PSU. They are also looking at the emotional piece as was mentioned by Barbara earlier.
- Barbara noted that while each campus is working independently, they are all trying to answer similar questions. She stated KU recognizes they are asking faculty to do more than ever before, and they want to make sure to include the emotional component as well as the work involved in changing course structure.
- Chuck agreed the emotional health issues are important. He noted that many items are interconnected such as acquiring appropriate testing to help relieve possible faculty concerns.
- Barbara discussed how to best mitigate the risks, how to be best informed by science, and how they calculate the risks with this information.
- JuliAnn believes there could be a universal statement on behalf of all Kansas higher education institutions which addresses what they are doing and why it is important for Kansas.
- Barbara noted they have a group called "advocates and champions". This group brings their Endowment and Alumni Associations together to help educate the public on what changes mean to KU and how it will impact the university and the community.
- Robert Klein noted the need to remain flexible as future outbreaks could potentially happen.

Daniel Archer asked if there was potential interest in a statewide test proctoring contract. He believes this could be an area that KBOR can assist with. David noted this was a past concern, noting resources were not as readily available at that time. Several members noted this could be helpful and possible during the current climate as they have had similar barriers in the past.

Adjournment

The meeting adjourned at 9:35 a.m.

Council of Chief Academic Officers
MINUTES

Wednesday, May 20, 2020

The May 20, 2020, meeting of the Council of Chief Academic Officers was called to order by Chair David Cordle at 9:08 a.m. The meeting was originally scheduled to be held in Topeka. Due to the COVID-19 Pandemic, this meeting was held through Zoom and live streamed for the public.

In Attendance:

Members:	David Cordle, ESU	Jill Arensdorf, FHSU	JuliAnn Mazachek, Washburn
	Howard Smith, PSU	Rick Muma, WSU	Robert Klein, KUMC
	Barbara Bichelmeyer, KU	Charles Taber, K-State	
Staff:	Daniel Archer	Sam Christy-Dangermond	Amy Robinson
	Karla Wiscombe	Erin Wolfram	Travis White
Others:	Adam Borth, Fort Scott CC	Brad Bennett, Colby CC	Aron Potter, Coffeyville CC
	Brian Niehoff, K-State	Elaine Simmons, Barton CC	Eric Elsinghorst, KUMC
	Cindy Hoss, Hutchinson CC	Jane Holwerda, Dodge City CC	Jeff Radel, KUMC
	Jason Sharp, Labette CC	Jean Redeker, KU	Jennifer Ng, KU
	Jerry Pope, KCKCC	Kaye Monk-Morgan, WSU	Linnea GlenMaye, WSU
	Cory Isbell, KCKTC	Pedro Leite, Cloud County CC	Shannon Portillo, KU
	Mark Haub, K-State	Erin Shaw, Highland CC	Mickey McCloud, JCCC
	Shawn Hutchinson, K-State	Greg Schneider, ESU	Amber Knoettgen, Cloud County CC

Chair David Cordle welcomed everyone. Attendance was taken by roll call for the Committee, presenters, and KBOR staff.

Approval of Minutes

Chuck Taber moved to approve the minutes of the April 15 meeting, and Jill Arensdorf seconded the motion. With no corrections or discussion, the motion passed.

Howard Smith moved to approve the minutes of the April 24 special meeting, and Chuck Taber seconded the motion. With no corrections or discussion, the motion passed.

2nd Readings

- K-State is requesting approval for a BS in Geographic Information Science and Technology. Shawn Hutchinson, Professor of Geography and Director of K-State's Geographic Information Systems Spatial Analysis Laboratory was available for questions. Jill Arensdorf moved to approve the new program, and Howard Smith seconded the motion. With no further questions or discussion, the motion passed. David noted this proposal will be forwarded to COPS for approval later in the morning.
- K-State is requesting approval for a BS in Sports Nutrition. This would be offered in the Department of Food Nutrition, Dietetics and Health. Mark Haub, Department of Food, Nutrition, Dietetics and Health, was available for questions. Barbara Bichelmeyer moved to approve the new program, and Rick Muma seconded the motion. With no further questions or discussion, the motion passed. David noted this proposal will be forwarded to COPS for approval later in the morning.
- KUMC is requesting approval for an MS in Genetic Counseling. Eric Elsinghorst, Chair of the Department of Clinical Laboratory Sciences, and Jeff Radel, Department of Occupational Therapy Education, were available for questions. Rick Muma moved to approve the new program, and Chuck

Taber seconded the motion. With no further questions or discussion, the motion passed. David noted this proposal will be forwarded to COPS for approval later in the morning.

Other Requests

- ESU is requesting to consolidate its Master of Science in Psychology (general option) with its Master of Science in School Psychology. David Cordle provided a brief overview. Jill Arensdorf moved to approve the consolidation, and Howard Smith seconded the motion. With no further discussion, the motion passed. The request will go to Dr. Flanders for final approval.
- KU is requesting a Minor in Design Entrepreneurship. Barbara Bichelmeyer provided a brief overview. Howard Smith moved to approve the new minor, and Jill Arensdorf seconded the motion. With no further discussion the motion passed. The request will go to Dr. Flanders for final approval.
- KU is requesting a Minor in Nutrition. Barbara Bichelmeyer provided a brief overview. Chuck Taber moved to approve the new minor, and Howard Smith seconded the motion. With no further discussion the motion passed. The request will go to Dr. Flanders for final approval.
- KU is requesting a Minor in Public and Population Health. Barbara Bichelmeyer provided a brief overview. Rick Muma moved to approve the new minor, and Chuck Taber seconded the motion. With no further discussion, the motion passed. The request will go to Dr. Flanders for final approval.

Council of Faculty Senate Presidents Update

Greg Schneider, ESU, noted this will be the last meeting update from the outgoing group of COFSP. The new Chair will be Aleksander Sternfeld-Dunn of WSU. Aleksander will report to COCAO at the June 17 meeting. Greg thanked the departing members, members who will stay on, and the provosts for their work and communication. Greg also noted they appreciated being involved in the shared governance approach of reopening universities in the fall.

Positive Pathways

- Daniel Archer provided an update on the Board goal of Positive Pathways in relation to helping students who do not meet Qualified Admissions Criteria to help achieve success beyond high school. Earlier in the spring, a working group was formed consisting of admissions staff from each institution. Daniel discussed three core items that the group worked on:
    1. Looking at the exception window and how this message is communicated to perspective students.
    2. Referring inadmissible applicants to two-year colleges.
    3. Ensuring the intent of positive pathways through positive messaging and communications.

  The working group came up with three recommendations:
    1. Universities will provide the statement "If you do not meet either of the guaranteed admission requirements, you are still encouraged to apply. Your application will be reviewed individually";
    2. Admission denial letters will contain a statement that promises that the applicant will be reconsidered for admission if they reapply after completing 24 college credit hours with at least a 2.0 GPA (2.5 for KU); and
    3. A link to a newly developed KBOR webpage which provides a list of community and technical colleges in Kansas and provides contact information for each respective college. https://www.kansasregents.org/academic_affairs/qualified_admissions/alternative-admissions-options

  JuliAnn commented that she would like to discuss Washburn being involved in the working group. Rick asked if the working group recommendations sent to admissions staff could be sent to the CAO's. The committee discussed if the recommendations needed formal action taken. Daniel clarified the

recommendations do not include policy changes, but more so a small change in communication that has been created by a working group previously appointed by the committee. He noted this item can be pulled if they would like to do so. The committee agreed to move forward with these recommendations, and in the future working group recommendations will be taken back to the committee before proceeding.

- Jennifer Ng, KU, provided the 2019 Tilford Conference Report. Jennifer noted the conference was an overall success with a historic number of attendees. The 2019 conference included changes to extend the timeframe to allow for extended sessions in the afternoon and included an exclusive session for upper institutional leaders. Both received positive feedback. Jennifer stated areas of improvement include opening the registration and submission of proposals earlier, communications, and improving accommodations through the registration system. Jennifer provided conference costs and stated they felt good about the cost compared to past years.

  Barbara asked her to discuss communication plans for this vulnerable population during the COVID-19. Jennifer responded the senior diversity officers across KBOR institutions have been meeting weekly to discuss grading, teaching evaluation, and technology needs to name a few. She anticipates this will continue, and as they look at summer and fall, she believes there will be a great importance on sharing data on enrollment trends and representations. Jennifer believes there is increasing attention being given to international students, and they will monitor and be informed on this population through data.

  Jennifer discussed plans for the 2020 Tilford Conference. They are considering holding the October conference virtually but have come to the consensus that it may be better to suspend the conference instead, due to financial and staffing constraints, as well as pressing immediate needs. If suspended, they ask the institutional contributions to be directed towards the purposes of diversity, equity, and inclusion initiatives on their respective campuses for the year 2020. Jennifer discussed alternative possibilities being considered for 2020 for either virtual statewide or smaller campus specific meetings or activities to continue moving forward during the current year. David Cordle noted the present structure and responsibility of the Tilford Conference falls under the Chief Diversity Officers. Jennifer responded the officers are from different institutions and have indicated they are not comfortable making funding decisions for others outside of their own institution.

  Chuck asked if there was an opportunity or need to be thinking about the impact of COVID-19 on their campuses in reference to diversity. Jennifer responded there is and stated she could put some additional information together. Several committee members agreed this could be beneficial. Jill commented she supports some type of conversations or webinars in lieu of the conference to continue making progress. David noted the participants thought 2019 was a high-quality event, and he continues to hear good comments. The Committee thanked Jennifer for her presentation.

Adjournment

David noted the University Press of Kansas Board of Trustees will meet after adjournment.

Chuck Taber moved to adjourn the meeting, and Howard Smith seconded the motion. With no further discussion, the motion passed. The meeting adjourned at 9:58 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. Kansas 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 17, 2020

I. General Information

A. Institution: Kansas State University

B. Program Identification

Degree Level:	Bachelor's
Program Title	Integrated Computer Science
Degree to be Offered:	Bachelor of Science & Bachelor of Arts in Integrated Computer Science
Responsible Unit:	College of Arts & Sciences
CIP Code:	11.0199
Modality:	Hybrid
Proposed Implementation:	Fall 2020

Total Number of Semester Credit Hours for the Degree: 120 (both BA and BS)

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

III. Justification

Integrated Computer Science (ICS) combines computer science with domain knowledge from some area of concentration. The degree integrates a concentration from any field of study outside of computer science with computational skills, complementary electives, and a capstone project applying those skills to the concentration area. Integrated Computer Science equips students for a wide variety of possible careers and to become academic, cultural, and industrial leaders who integrate an arts and sciences education with expertise in computer science.

With each passing year, computers play a larger role in our lives. Software shapes how we shop, communicate, vote, collaborate, and even how we think. However, the supply of software developers has not kept pace with demand, and many with computer skills lack the complementary skills that a broad education in the Arts & Sciences supplies: appreciation of aesthetics and design, understanding of our collective human history, insight into social, economic, and psychological effects of software design, and the ability to understand the dynamics of teamwork and cooperation in a software design workspace. At the same time, computational skills are increasingly important across the arts and sciences, in applications ranging from using live data streams to create cutting-edge art to computationally modeling complex biological processes. Indeed, many of our own faculty are re-skilling by learning computer coding to advance their research and creative activities.

What sets this program apart from others is a computer science track that is pragmatic rather than theoretical and based on algebra rather than calculus. This captures students who can benefit and excel within this program and

encourages students to attain multi-disciplinary skill and expertise. It will be these unique and high-in-demand combinations that sets our students apart in the job marketplace and equips them to pursue their passions.

We envision graduates entering a wide range of fields, not merely as software engineers but as business leaders, scientists, artists, journalists, and scholars with the software engineering skills that are increasingly essential everywhere. We will produce artists who code, scientists leveraging algorithm-driven models, journalists who dig deep into big data, and entrepreneurs who design and prototype their ideas themselves. A combination of core competency in computer programming, database management, and algorithms along with a broad Arts and Sciences education will serve to create ethical leaders, smart citizens, and skilled employees for advancing the well-being of Kansas, the nation, and the world.

Specifically, this program will prepare students to:

- use in-demand programming languages and software design techniques to address real-world problems in a wide variety of fields;
- leverage programming and database integration skills to advance their career and contribute to their chosen field of concentration;
- consider the broader humanistic and scientific context of problems encountered in software development, and use appropriate domain knowledge to find solutions;
- enter the workforce with a solid core of in-demand computing skills, making them much more employable and effective; and
- understand and abide by the highest ethical standards of their profession and think clearly about the moral dimensions of their work.

IV. Program Demand: Market Analysis

The primary markets for this major include:

- on-campus students who wish to combine computer science with another field, as well as students who struggle with or dislike the advanced mathematics required for a pure computer science major; and

- online students pursing a cost-effective credential, including distance and transfer students with 60+ hours of college credit as well as alumni adding an additional degree that can build on (and accept credits from) their previous degree.

On-Campus Market Analysis: At Kansas State, there has been a 137% increase in computer science majors over the past decade, despite enrollment caps due to limited seating. Online demand, where physical seating is not a restriction, will to continue to grow. Furthermore, we have seen substantial growth in non-majors combining their chosen fields of study with computer science courses. Nearly 100 non-majors per year enroll in our introductory computer science course.

Across the nation from 2005 to 2015, in courses primarily intended for computer science majors, non-major enrollment grew faster than major enrollment. In introductory courses, major enrollment increased 152%, non-major enrollment by 177%. Similar trends hold for mid-level (majors: 152%; non-majors: 251%) and upper-level courses (majors: 165%; non-majors: 143%) (Computer Research Associates, 2017).

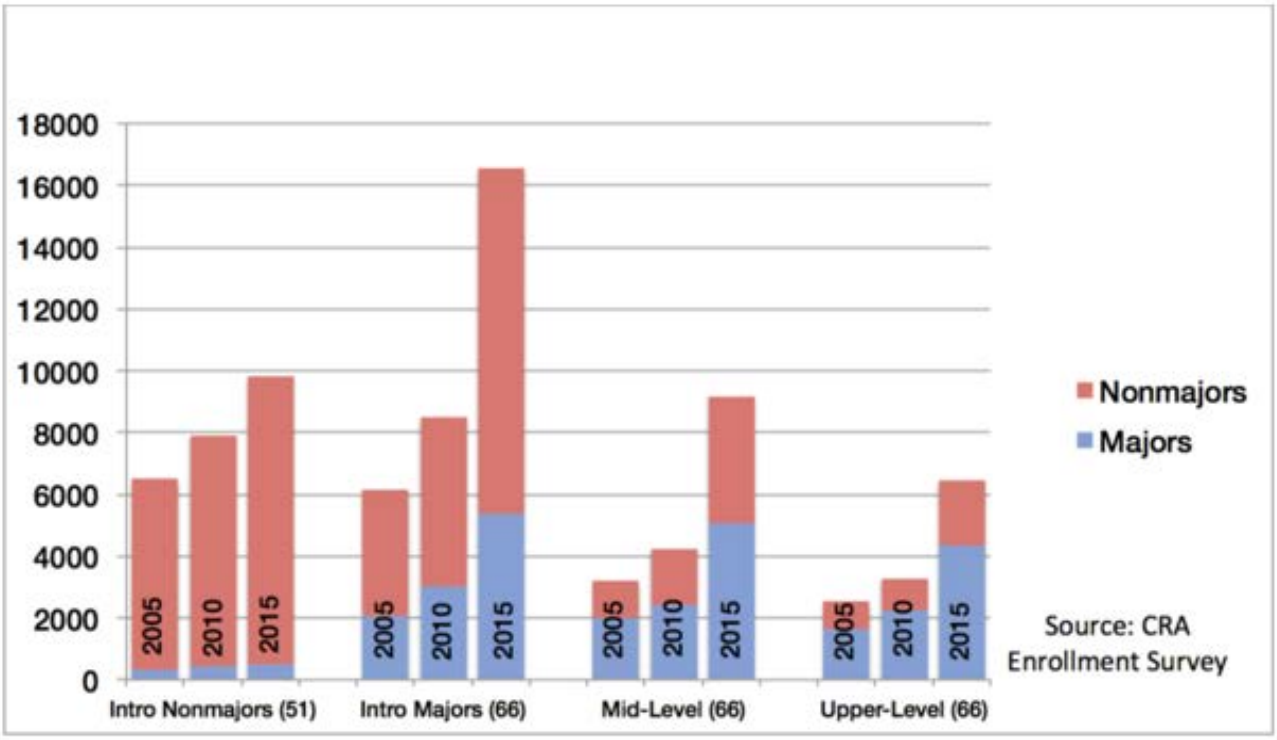

Figure 1. Cumulative nonmajor enrollment (red) and major enrollment (blue) in computing courses at doctoral- and non-doctoral granting units from 2005 to 2015.

(Source: Computer Research Associates, 2017)

We estimate that 150 on-campus students not majoring in Computer Science would pursue advanced courses in computer science, and that this number will increase.

Online Market Analysis:

Computer science is nationally one of the most popular areas of study for online students. According to a Babson/Learning House study of online student preferences, computer science is third among all desired undergraduate majors (Babson Survey Research Group, 2018). Business and psychology remain ahead, but their share of student interest has declined while the computer science share has increased, to 14% of the current total undergraduate online market.

The Educational Advisory Board (EAB) was tasked with finding the best opportunities for online program growth for Kansas State specifically. They identified bachelor's level Computer Science as the leading opportunity: *"Prioritize the development of online bachelor's-level computer science programming. The Forum finds computer science occupations most commonly require a bachelor's degree"* (EAB Global, 2018).

The online bachelor's degree market is not saturated. In 2018, IPEDS reported 27,553 completed computer science bachelor's degrees (EMSI, 2020). Only 6% of these completions were online. There are only 33 online competitors for bachelor's degrees in computer science in the nation.

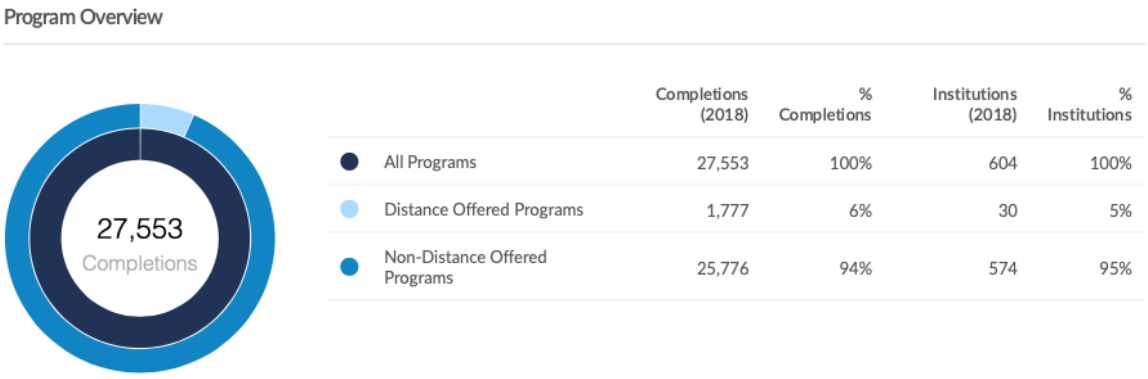

Figure 2. EMSI Labor Analysis (EMSI, 2020)

EMSI labor analysis also indicated there are over 150,000 annual openings across the United States calling for a computer science background. This means there are *far* more new jobs each year than new degree holders to fill them.

Among the 33 online programs, IPEDS reports an average graduating cohort of 54 students. Programs most similar to ours are much larger. We expect our numbers to be in line with our peer institutions charted below (all are online programs):

Institution	Bachelor's Degree Completions	Growth % (2017)	Market Share (2017)
Oregon State University	495	58.1%	27.8%
University of Minnesota-Twin Cities	345	3.0%	19.4%
University of Utah	125	Insufficient Data	7.0%
University of Illinois at Springfield	96	(5.0%)	5.4%
Lewis University	73	108.6%	4.1%

The example of Oregon State University is notable, as they have the highest number of degree completions, as well as the fastest growth. Their model is similar to K-State's proposed model. They created an online "Professional Computer Science" degree, marketed to liberal arts majors who find themselves underemployed or seeking a different career. Students can complete only the core courses for the degree regardless of where they did their initial undergraduate program and can finish the program in as little as one year. Since inception in 2013, Oregon State has graduated over 900 students and shows a current growth rate of over 58%. They report nearly 1,500 students currently enrolled in the program (EMSI, 2020).

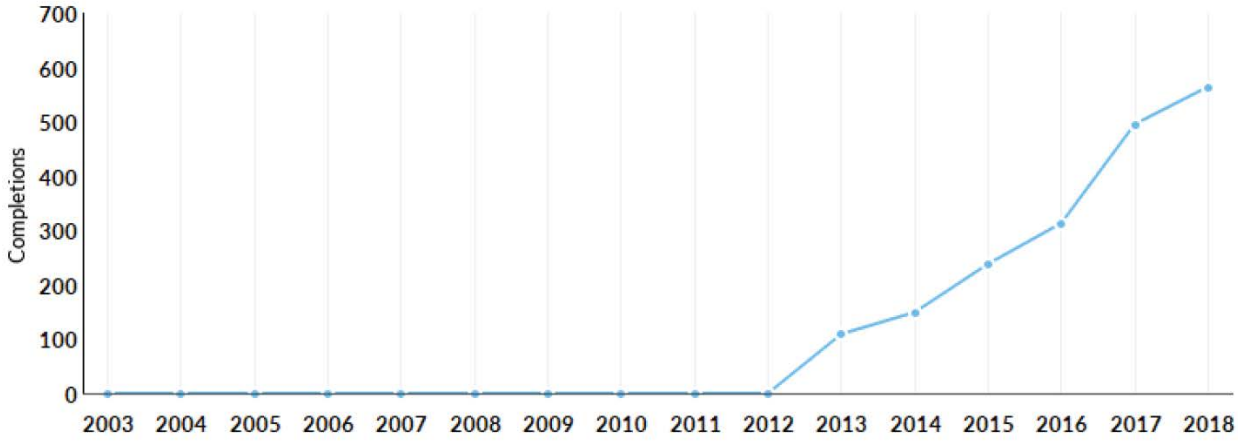

Figure 3. Oregon State University Completions in Computer Science (EMSI, 2020)

V. Projected Enrollment:

The numbers above suggest that we could have over 1,000 students enrolled in the program within four years. For this reason, we have prepared a scalable set of courses for all of our requirements that can accommodate a large influx of students as needed.

We have also performed several budget simulations based on much lower numbers to minimize our risk and examine the program viability. Our low estimates of enrollment are as follows:

Year	**Headcount Per Year**		**Sem Credit Hours Per Year**	
	Full- Time	**Part- Time**	**Full- Time**	**Part- Time**
Implementation	20	4	520	48
Year 2	30	6	1,440	120
Year 3	40	8	2,610	216

We believe this is a *very* conservative estimate for the students. We have contingency plans for the number of students enrolled in the ICS program to be much greater than the estimates described above. Due to our approach of using individualized, online instruction, the program can be expanded (or shrunk) very quickly. Instructors will be hired on term appointments and GTAs (and possibly undergraduate teaching assistants) will be hired one semester at a time.

VI. Employment

A 2018 market research brief from EAB found over 90,000 regional job listings in the field of computer science (EAB Global, 2018). Yet across the entire nation, we produce less than a third of that many computer science graduates. Importantly, 70% of those jobs are outside the traditional tech sector. Our students, with an ability to apply computer science to a wide range of fields, will be well-positioned for this emerging job market.

Table 1. Bureau of Labor Statistics for Software Developers

(U.S. Bureau of Labor Statistics, 2020)

2019 Median Pay	$107,510 per year
Typical Entry-Level Education	Bachelor's degree
Work Experience in a Related Occupation	None
On-the-job Training	None
Number of Jobs, 2018	1,365,500
Employment Change, 2018-28	284,100

Employers ***in our region*** posted **213%** more job openings for 'computer and information research scientists' in 2018 than in 2014. Job openings increased **65%** for 'information security analysts' (16,956 postings), **46%** for 'computer systems engineers/architects' (28,184 postings), and **45%** for 'software developers, applications' (104,201 postings) (U.S. Bureau of Labor Statistics, 2020).

The Bureau of Labor Statistics projects significant growth for related fields over the next eight years, as compared to a projected 7% national average for all occupations:

- **31%** for Software Developers
- **28%** for Information Security Analysts
- **19%** for Computer and Information Research Scientists
- **13%** for all computer occupations

Further, employers demonstrate high demand for related skills including Information security (20,713 job postings), Python (43,049), and Software development (75,277).

VII. Admission and Curriculum

A. Admission Criteria

Normal Kansas State University admissions criteria for incoming, transfer, and international students will apply for the proposed program. No additional criteria are included.

B. Curriculum

The curriculum consists of 29 credits in computer science, along with a 12-credit core in the College of Arts & Sciences that will introduce students to applications of computer science in the digital arts and humanities, the cultural impacts of technology, and moral reasoning and professional ethics in integrated computer science. In addition, all students must complete a concentration with at least 18 credits in a single field, or the interdisciplinary concentration. In the sample curriculum below, the concentration is in philosophy, and the degree is completed as a BS. Completion as a BA would require a foreign language requirement at the fourth level, and involve slightly different general education courses in social sciences and humanities, but would otherwise be similar.

Year 1: Fall **Semester Credit Hours**

Course #	Course Name	SCH = 13
ENGL100	Expository Writing I	3
CC110	Introduction to Computing	3
CC210	Fundamental Programming Concepts	4
ANTH204	Introduction to Cultural Anthropology	3

Year 1: Spring

Course #	Course Name	SCH = 13
BIOL198	Principles of Biology	4
AMETH160	Introduction to American Ethnic Studies	3
CC310	Data Structures and Algorithms I	3
ENGL200	Expository Writing II	3

Year 2: Fall

Course #	Course Name	SCH = 17
PHILO386	Philosophy of Computer Science and Software Engineering	3
CC315	Data Structures and Algorithms II	3
CHM110	General Chemistry	3
COMM106	Public Speaking I	3
BIOL201	Organismic Biology	5

Year 2: Spring

Course #	Course Name	SCH = 16
PHILO305	Reasons, Decisions and Society	3
PHILO330	Moral Philosophy	3
CC410	Advanced Programming	4
POLSC135	Intro Comparative Politics	3
XXX	ELECTIVE	3

Year 3: Fall

Course #	Course Name	SCH = 15
CC510	Computer Systems Administration	3
PHILO303	Writing Philosophy	3
PHILO320	Symbolic Logic I	3
MATH205	General Calculus and Linear Algebra	3
PHILO492	Computers and Society	3

Year 3: Spring

Course #	Course Name	SCH = 14
PHILO345	Worlds, Things and Properties	3
PHILO301	History of Philosophy	3
CC560	Database Essentials	3
PHILO340	Justification and Reliable Knowledge	3
XXX	ELECTIVE	2

Year 4: Fall

Course #	Course Name	SCH = 17
CC535	Applied Data Science	3
MUSIC250	Music Appreciation	3
PHYS115	Descriptive Physics	5
ENGL603	Topics In Linguistics	3
XXX	ELECTIVE	3

Year 4: Spring

Course #	Course Name	SCH = 15
ENGL326	Introduction to the Digital Humanities	3
PHILO510	Symbolic Logic II	3
HIST311	Race and US Foreign Relations	3
CC590	Topics in Applied Computer Science	3
XXX	ELECTIVE	3

Total Number of Semester Credit Hours ……..120

VIII. Core Faculty FTE: 1.0 FTE = Full-Time Equivalency Devoted to Program

The core faculty for the Integrated Computer Science program consists of Dr. Michael Wesch (who will also be the program administrator), core faculty from Arts & Sciences who teach the core ICS A&S courses, and five faculty from Computer Science. There will be many more faculty involved that are not included here who are already teaching other degree courses as part of existing programs. These faculty represent the core faculty who will meet regularly to guide and assess the program.

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
* Michael Wesch	Professor	PhD	Y	Anthropology	0.25
Graham Leach-Krouse	Associate Professor	PhD	Y	Philosophy	0.125
Mark Crosby	Associate Professor	PhD	Y	English	0.125
Ryan Klataske	Instructor	PhD	N	Anthropology	0.125
Russell Feldhausen	Instructor	MS	N	Computer Science	0.375
Emily Alfs-Votipka	Instructor	MS	N	Computer Science	0.375
Joshua Weese	Teaching Assistant Professor	PhD	N	Computer Science	0.125
Lior Shamir	Associate Professor	PhD	Y	Computer Science	0.125
Nathan Bean	Instructor	MS	N	Computer Science	0.125

* Denotes Program Administrator

Number of graduate assistants assigned to this program …… 3 (after YR 2)

IX. Expenditure and Funding Sources

A. EXPENDITURES	First FY	Second FY	Third FY
Personnel – Reassigned or Existing Positions			
Faculty	$146,295	$149,221	$152,205
Administrators *(other than instruction time)*	$19,662	$20,956	$21,255
Graduate Assistants	$32,000	$40,800	$49,939
Support Staff for Administration (*e.g., secretarial*)	$12,000	$12,240	$12,485
Fringe Benefits *(total for all groups)*	$58,466	$61,229	$63,747
Other Personnel Costs			
Total Existing Personnel Costs – Reassigned or Existing	$268,423	$284,446	$299,631
Personnel – – New Positions			
Faculty			
Administrators *(other than instruction time)*			
Graduate Assistants			
Advising (.5 FTE)	$30,000	$30,600	$31,212
Fringe Benefits *(total for all groups)*			
Other Personnel Costs			
Total Existing Personnel Costs – New Positions	$30,000	$30,600	$31,212
Start-up Costs - - One-Time Expenses			
Library/learning resources	-	-	-
Equipment/Technology	-	-	
Physical Facilities: Construction or Renovation	-	-	-
Total Start-up Costs	$0	$0	$0
Operating Costs – Recurring Expenses			
Supplies/Expenses	$6,300	$12,600	$21,000
Library/learning resources	$6,250	$6,250	$6,250
Equipment/Technology	-	$25,000	$25,000
Travel	-	-	-
Codio (online learning platform) Fees	$2,642	$6,528	$11,543
Total Operating Costs	$15,192	$50,378	$63,793
GRAND TOTAL COSTS	$313,615	$365,424	$394,636

B. FUNDING SOURCES (projected as appropriate)	Current	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds		$177,812	$487,500	$883,125
Student Fees		$46,902	$128,153	$232,287
Other Sources (Global Campus)		$16,974	$46,338	$84,004
GRAND TOTAL FUNDING		$241,688	$661,991	$1,199,416
C. Projected Surplus/Deficit (+/-) (Grand Total Funding minus Grand Total Costs)		($71,927)	$296,567	$804,780

X. Expenditures and Funding Sources Explanations

A. Expenditures

Personnel – Reassigned or Existing Positions

All core faculty are currently employed by Kansas State University in the College of Arts & Sciences or College of Engineering. All ICS faculty teach either the core computer science courses (CC 110, CC 210, CC 310, CC 315 and CC 410) or advanced courses (CC 500 and above). Computer Science faculty who teach the core courses (Feldhausen and Alfs-Votipka) teach only online computational core courses, which are used in this degree. Faculty who teach advanced computer science courses (with the exception of Feldhausen) split their teaching time between the traditional Computer Science program and the Integrated Computer Science program (at approximately 33% devoted to integrated computer science courses). All core Computer Science faculty except for Shamir and Weese are already assigned to teach the listed courses as part of their current appointments. Shamir and Weese will start teaching their new courses in year 2. Shamir is already scheduled to increase his teaching load by one course in 2021-2022 and Weese will have additional capacity due to the phasing out of an existing course. No additional faculty or instructor hires are required to initiate or maintain the new program unless program enrollment grows substantially. The percent time dedicated to the program varies by faculty member and the courses taught each year by applying a general rule of 0.125 FTE per in-person course or 0.0625 FTE per online course for 9-month faculty and 0.0417 FTE per online course. Dr. Michael Wesch will assist the Dean of the College of Arts and Sciences in administering the program. This effort is included in the faculty salary line of the budget as one summer month of pay each year. For budgeting purposes, all salaries (faculty, graduate teaching assistants, and administrative support) include a modest 2% pay increase after the first fiscal year.

Computer Science graduate teaching assistants (GTAs) will be required for all computer science courses greater than 20 students, with additional GTAs required for every additional 40 students. Computer science programs and projects are similar to English compositions and works of art in that each are unique and require a great deal of effort to understand and to provide feedback for. Computer Science GTAs are typically paid between $650 and $800 biweekly (depending on degree status). In addition, undergraduate teaching assistants (UTAs) are often used to work with students one-on-one during laboratory help sessions and can be used to help reduce the number of GTAs required per course. UTAs have proven to be very effective in this role as they recently were taking the same courses and struggling with the same concepts. UTAs are normally paid between $11 and $15 per hour.

Personnel – New Positions

The budget includes support for an advisor position in the College of Arts and Sciences at .5 FTE. This is appropriate support for an estimate of up to 100 majors in the first three years. Adjustments may be necessary to accommodate further growth.

Start-Up Costs – One-Time Expenses

There are no additional one-time startup expenses associated with the program.

Operating Costs – Recurring Expenses

The cost of the Codio (computer science specific) online learning platform is $48 per student per semester. This cost will be covered by an existing $19 per credit hour College of Engineering Equipment Fee that is charged to all students taking computer science courses.

B. Revenue: Funding Sources

The following revenue table assumes that approximately 76% and 24% of all semester credit hours (SCH) are generated by the College of Arts and Sciences (COAS) and the College of Engineering (COE) respectively. All courses from the COE are online and offered through K-State's Global Campus, hence the "hybrid" modality of this proposed degree program.

This analysis assumes that all students will be on-campus students, although the program can be taken completely or partially online. Thus, it is highly likely that there will also be students who will be taking the program online, including both COAS and COE courses. These students will generate even more revenue than our analysis shows.

COAS has a general fee of $16.70 per credit hour for on-campus courses, while the COE has a general fee of $80 per credit hour, equipment fee of $19 per credit hour, and distance education fee of $190.70 per credit hour. All funds generated by fees will be retained by the generating college depending on the specialization chosen by the student, this percentage could change and may involve courses from additional KSU colleges such as the College of Agriculture, College of Architecture, Planning, and Design, College of Business, College of Veterinary Medicine, and/or Staley School of Leadership Studies. The fee structures for these schools are not factored into this budget analysis.

Tuition & Fees	Tuition /SCH	YR 1 SCH= 568	Sub-Totals	YR 2 SCH= 1560	Sub-Totals	YR 3 SCH= 2826	Sub-Totals
In-State On-Campus Tuition	$312.50	432	$135,000	1186	$370,625	2148	$671,250
Global Campus Tuition	$312.50	137	$42,812	374	$116,875	678	$211,875
COAS Fees	$16.70	432	$7,214	1186	$19,806	2148	$35,871
COE Fees	$99.00	137	$13,563	374	$37,026	678	$67,122
COE GC Fees	$190.70	137	$26,125	374	$71,321	678	$129,294

Global Campus Fees	$123.90	137	$16,974	374	$46,338	678	$84,004
Total Revenue			$241,688		$661,991		$1,199,416

C. Projected Surplus/Deficit

Our estimate suggests that this program will be highly profitable from the second year due to the use of existing courses and the hybrid delivery approach. Projected surpluses are also sufficient to maintain appropriate IT support infrastructure throughout the lifetime of the program at no additional cost to the university.

XI. References

Babson Survey Research Group. 2018. Online College Students: comprehensive data on demands and preferences. Download from https://onlinelearningsurvey.com/reports/gradeincrease.pdf. Last accessed April 23, 2020.

Computer Research Associates. 2017. https://cra.org/data/generation-cs/. Last accessed April 23,2020.

EAB Global, Inc. 2018. Market Research Brief: Online Program Opportunity Analysis for Kansas State University (Analysis of Regional Employer Demand and Peer Institution Offerings).

EMSI Economic Model tool. http://economicmodeling.com/ retrieved April 23, 2020.

US Bureau of Labor Statistics. https://www.bls.gov/ooh/computer-and-information-technology/software-developers.htm, last accessed April 23, 2020

Program Approval

Summary

Universities may apply for approval of new academic programs following the guidelines in the Kansas Board of Regents Policy Manual. Kansas 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 17, 2020

I. General Information

A. Institution Kansas State University

B. Program Identification

Degree Level:	Bachelor's
Program Title:	Public Health
Degree to be Offered:	Bachelor of Science
Responsible Department or Unit:	College of Health and Human Sciences/Kinesiology
CIP Code:	51.2299
Modality:	Hybrid
Proposed Implementation Date:	Spring 2021

Total Number of Semester Credit Hours for the Degree: 120

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

III. Justification

Public health promotes and protects the health of people and the communities where they live, learn, work and play. Public health-trained workers play a key role in addressing challenges facing the health of the public, such as infectious disease outbreaks, obesity and mental health issues, and drug and alcohol addictions. While a doctor treats people who are sick, public health professionals often work to prevent people from getting sick or injured in the first place, and promote wellness by encouraging a variety of healthy behaviors. Despite the increase in public health challenges there is a shortage of qualified public health workers. There are many individuals who are currently employed at local health departments or in healthcare professions who do not yet have a bachelor's degree but would benefit from a degree in public health. In local public health departments across Kansas, 49% of employees have less than a bachelor's degree. Further, a recent state-wide analysis of public health competencies found that the lowest proficiency rating across all tiers for both local health departments and the Kansas Department of Health and Environment was public health science skills, followed closely by policy development/program planning, analytical and assessment skills, and cultural competency (Kansas Public Health Workforce Development Coordinating Council, 2015).

Nationally in 2018, an economic modeling market analysis of 50 existing public health bachelor degree programs found that 70% experienced program growth, with an average growth rate of 37% (top growth was 533% at Southern New Hampshire University. Since only 22% of the 143 institutions offering undergraduate public health programs offered courses online, offering a hybrid program that includes online and in-person course offerings will increase the competitiveness of our program (Emsi, 2020).

Currently, there are limited Bachelor of Science in Public Health (BSPH) degree programs offered regionally. One Nebraska institution and four institutions in Missouri offer BSPH degrees, but there are no BSPH programs

in the state of Kansas. Other Kansas institutions offer related degrees such as community health (BSE at the University of Kansas), health science (BHS at Washburn and BS degree at Wichita State University; they also have a minor in public health), or health and human performance (BS at Fort Hays State University). More recently, KU has proposed a BHS (5/28/20). Noteworthy, none of the above mentioned programs include courses that capture all key domains of undergraduate public health education (Association of Schools & Programs of Public Health, 2012). Our proposed program includes a core set of fundamental public health courses, a 3-course practicum series that provides real-world exposure to public health practice, reinforcing public health electives, and the flexibility to choose additional coursework electives. Thus, we anticipate that the BSPH at Kansas State will attract many new students with public health and other health related career interests to the university. Furthermore, as a collaborative degree with courses offered across multiple departments and colleges, the BSPH program will benefit multiple units and foster cross-campus collaborations. As well, the program has been designed to seek future accreditation by the Council on Education for Public Health.

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

A. Survey of Student Interest (Not Conducted)

B. Market Analysis

The growth outlook for public health careers is excellent. A public health major provides entrance into a public health career in two fundamental paths through direct employment into entry level public health jobs and as a pathway to graduate level training in public health and other health related fields such as medicine, hospital administration and health policy (Evashwick, Tao, & Arnold, 2014). The U.S. Bureau of Labor Statistics (2020) forecasts growth between 5-25% nationally and 10.7% in Kansas for many of the more popular public health career areas over the next 5 years. These include community health workers, health educators, occupational health and safety specialists, medical and health services managers, and fitness and wellness coordinators. Key skills in demand include public health management, operations, leadership, and coordinating customer service. Consequently, national public health workforce groups such as the National Consortium for Workforce Development and the de Beaumont Foundation (2015) have called for the development of effective and engaging public health training and academic curricular offerings to prepare public health workers with strategic skills and expertise to meet the growing public workforce demand.

To assess local need for a BSPH degree, we distributed a brief survey at two conferences: the Kansas Governor's Public Health Conference (Wichita, KS) in April 2019 and the National Health Outreach Conference (Fort Worth, TX) in May 2019. Survey respondents were primarily public health professionals in Kansas (e.g., employed at county health departments). The first survey question asked if there was a need for a BSPH program in the state of Kansas. A total of 65 responses were collected between the two locations; of these, 49 (75%) said “Yes,” four (6%) said “No,” and 12 (18%) were “Unsure.” Respondents indicated they saw a "big need" for more trained public health professionals and that a BSPH program would be a "tremendous asset" to the state of Kansas. They also emphasized the importance of offering flexible course options (e.g., online or evening courses) to accommodate working professionals interested in obtaining the degree.

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	20	0	680	0
Year 2	30	0	1,650	0
Year 3	40	0	2,845	0

VI. Employment

As mentioned above, the U.S. Bureau of Labor Statistics (2020) has documented a high demand for professionals skilled in public health. In addition, there is a large need for educated health professionals nationally and in the state of Kansas, particularly in rural areas of Kansas. The shortage of public health workers is expected to grow as many individuals in the public health field have plans to retire in the next 10 years.

The most common careers for students with a bachelor's degree in public health are research and community education. There is increasing demand both nationally and in Kansas for individuals in the following related positions (U.S. Bureau of Labor Statistics, 2020):

- Health Specialties Teachers, Postsecondary (+26% nationally, +23% in Kansas)
- Community Health Worker (+18% nationally, +10% in Kansas)
- Health Educator (+15% nationally, +10% in Kansas)
- Occupational Health and Safety Specialists (+8% nationally, +6% in Kansas)
- Fitness and Wellness Coordinators (+11% nationally, +5% in Kansas)

Public Health employment titles and median national annual wages include Health Educator: $53,940; Environmental Scientists and Specialists: $69,400; and Emergency Management and Preparedness Coordinator: $72,760. Overall, the U.S. Bureau of Labor Statistics (2020) forecasts 5-25% growth in many of the more popular public health careers between 2020 and 2024.

At the state of Kansas Department of Health and Environment (KDHE), there are 36 different employment titles aligned with public health (*personal communication with KDHE human resources*). Mean annual wages for Kansas KDHE employees by section range from $41,988 to $57,283. Of note in 2017, 84.2% of local health department employees in Kansas and 74.6% of KDHE employees had a bachelor's degree or less (Kansas Public Health Workforce Development Coordinating Council, 2019). Thus, offering this degree increases the level of education and expertise available in Kansas as well as income potential for graduates.

VII. Admission and Curriculum

A. Admission Criteria

Admissions criteria will be the same as for the B.S. in Kinesiology and include the University Admission Requirements:

Complete the precollege curriculum with at least a 2.0 GPA (2.5 for non-residents) **AND** achieve one of the following:

- A 21 or higher composite score on the ACT assessment **OR**
- A 1060 or higher on the SAT ERW+M if taken after March 2016 **OR**
- A 980 or higher on the SAT CR + M if taken before March 2016 **OR**
- Rank in the top third of your graduating class

B. Curriculum

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

Course #	Course Name	SCH = 17
KIN 110	Introduction to Public Health	3
BIOL 198	Principles of Biology	4
PSYCH 110	General Psychology	3

ENGL 100	Expository Writing I	3
SOCIO 211	Introduction to Sociology	3
HHS 101	Introduction to Well-Being	0.5
HHS 201	Community Well-Being	0.5

Year 1: Spring

Course #	Course Name	SCH = 17
KIN 220	Biobehavioral Bases of Physical Activity	4
ENGL 200	Expository Writing II	3
MATH 100	College Algebra	3
HHS 202	Social Well-Being	0.5
HHS 203	Financial Well-Being	0.5
ANTH 200	(Humanities) Introduction to Cultural Anthropology	3
	(Unrestricted Elective)	3

Year 2: Fall

Course #	Course Name	SCH = 16.5
CHM 210	Chemistry I	4
COMM 106	Public Speaking 1	3
FNDH 311	Health Promotion and Behavior	3
HHS 204	Physical Well-Being	0.5
FNDH 352	Personal Wellness	3
	(Unrestricted Elective)	3

Year 2: Spring

Course #	Course Name	SCH = 15
BIOL 330	Public Health Biology	3
STAT 325	Introduction to Statistics	3
HDFS 301	Helping Relationships	3
KIN 312	Methods and Analysis of Public Health	3
PLAN 315	Intro to City Planning	3

Year 3: Fall

Course #	Course Name	SCH = 14
KIN 360	Anatomy and Physiology	8
DMP313	Introduction to Epidemiology	3
KIN 418	Social Determinants and Diversity in Public Health	3

Year 3: Spring

Course #	Course Name	SCH = 13
DMP 314	Environmental and Public Health	3
ANTH 383	Plagues: The Co-Evolutionary History of Humans and Pathogens	3
MC 451	Health Communication	3
KIN 618	Seminar in Public Health Practice	1

	(Unrestricted Elective)	3

Year 3: Summer

Course #	Course Name	SCH = 3
KIN 619	Public Health Practicum	3

Year 4: Fall

Course #	Course Name	SCH = 12.5
KIN 419	Health Policy and Administration	3
AGRON 335	Environmental Quality	3
GEOG 302	Cartography & Thematic Mapping	3
	(Unrestricted Elective)	3
HHS 301	Career Well-Being	0.5

Year 4: Spring

Course #	Course Name	SCH = 12
KIN 622	Capstone Project in Public Health	2
	(Unrestricted Elective)	3
	(Unrestricted Elective)	4
	(Unrestricted Elective)	3

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

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
Mary McElroy	Professor	Ph.D.	Y	Social Determinants of Physical Activity	0.20
Katie Heinrich	Associate Professor	Ph.D.	Y	Public Health and Exercise Behavioral Sciences	0.20
Emily Mailey	Associate Professor	Ph.D.	Y	Health Behavior Theories and Interventions	0.20
Gina Besenyi	Assistant Professor	Ph.D./M.P.H.	Y	Health Promotion, Education, and Behavior	0.20
TBD* Program Director	Associate Professor	Ph.D./M.P.H.	Y	Public Health	1.0
TBD	Instructor	M.P.H.	N	Public Health	1.0
TBD	Instructor	M.P.H.	N	Public Health	1.0

Number of graduate assistants assigned to this program …… **1.5**

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	$68,585	$69,957	$71,356
Administrators *(other than instruction time)*			
Graduate Assistants	$23,000	$23,000	$23,000
Support Staff for Administration (*e.g., secretarial*)	$3,284	$3,284	$3,284
Fringe Benefits *(total for all groups)*	$28,460	$29,032	$29,613
Other Personnel Costs			
Total Existing Personnel Costs – Reassigned or Existing	$123,329	$125,273	$127,253
Personnel – – New Positions			
Faculty		$190,000	$193,800
Administrators *(other than instruction time)*			
Graduate Assistants			
Support Staff for Administration (*e.g., secretarial*)			
Fringe Benefits *(total for all groups)*		$57,000	$58,140
Other Personnel Costs			
Total Existing Personnel Costs – New Positions		$247,000	$251,940
Start-up Costs - - One-Time Expenses			
Library/learning resources			
Equipment/Technology			
Physical Facilities: Construction or Renovation			
Other			
Total Start-up Costs			
Operating Costs – Recurring Expenses			
Supplies/Expenses			
Library/learning resources			
Equipment/Technology	$5,000	$1,000	$1,000
Travel			
Other			
Total Operating Costs	$5,000	$1,000	$1,000
GRAND TOTAL COSTS	$128,329	$373,273	$380,193

B. FUNDING SOURCES *(projected as appropriate)*	Current	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds		$212,840	$516,450	$890,485
Student Fees		$6,900	$16,250	$34,500
Other Sources				
GRAND TOTAL FUNDING		$219,740	$532,700	$924,985
C. Projected Surplus/Deficit (+/-) (Grand Total Funding *minus* Grand Total Costs)		+$91,411	+$159,427	+$544,792

X. Expenditures and Funding Sources Explanations

A. Expenditures

Personnel – Reassigned or Existing Positions

All faculty are currently employed by the Department of Kinesiology in the College of Health and Human Sciences. The percent time dedicated to the program is based on the courses taught each year. An annual cost-of-living pay increase of 2% was included. Each faculty listed has 40% FTE dedicated towards teaching. Some courses within this degree also fulfill requirements in our B.S. Kinesiology degree. The four existing faculty members who form the core for this degree teach these courses, thus only the portion of their teaching assignment relative to the Public Health program is shown above. Also, the proposed degree will include several core and upper level courses taught by faculty in other units at Kansas State University (e.g., Food, Nutrition, Dietetics, and Health; Veterinary Medicine).

Calculations

4 Faculty (YR 1): 4 FTE = $342,925; 0.8 total FTE for degree = $68,585
Benefits (30%) = $20,576

Graduate Assistants: n=1 @$15,000/yr
Benefits (30%) = $6,900

Support Staff (10%) = $3,284
Benefits (30%) = $985

Total Salary = $68,585 + $23,000 + $3,284 = $ 94,869
Total Benefits = $20,574 + $ 6,900 + $ 985 = $ 28,460
Total Personal = **$123,329**

Personnel – – New Positions

A Program Director and two Instructors will be hired during the first year of the program (3 FTE). The Program Director, in addition to administrative and coordination duties, will also teach and have a research component to their appointment. The instructors will teach courses that currently are not being offered at Kansas State University, but are necessary for this new major. A 2% cost of living increase in year 3 was included.

Start-up Costs – One-Time Expenses

None

Operating Costs – Recurring Expenses

Operating costs for supplies and equipment/technology are based on estimates for each year to develop (YR 1) and maintain the program (YR 2,3) that will be covered by course fees based on student credit hours (see below).

B. Revenue: Funding Sources

Student Fee explanation: The College of Health and Human Sciences has a $20 per semester credit hour on all classes in the college. Revenue from this fee is used to support student services in the program (e.g., laboratory supplies, advising, scholarships, etc.). The Department of Kinesiology has a $15 per semester credit hour on classes in the department. Revenue from this fee is used for instructional and advising support for the department.

Calculations

Student Credit Hours

YR1: 20 students x 34 SCH = **680 SCH**

YR2: 30 students x 34 SCH = 1,020 SCH
20 students x 31.5 SCH = 630 SCH
1,650 SCH

YR 3: 40 students x 34 SCH = 1,360 SCH
30 students x 31.5 SCH = 945 SCH
20 students x 27 SCH = 540 SCH
2,845 SCH

Tuition

YR 1: $313 x 680 SCH = **$212,840**
YR 2: $313 x 1,650 SCH = **$516,450**
YR 3: $313 x 2,845 SCH = **$890,485**

Fees (note: $20/SCH college fee, $15/SCH department fee)

YR 1: 20 students x 7 SCH x $35 = $4,900
20 students x 5 SCH x $20 = $2,000
$6,900

YR 2: 30 students x 7 SCH x $35 = $ 7,350
30 students x 5 SCH x $20 = $ 3,000
20 students x 9.5 SCH x $20 = $ 3,800
20 students x 3 SCH x $35 = $ 2,100
$16,250

YR 3: 50 students x 7 SCH x $35 = $12,250
50 students x 5 SCH x $20 = $5,000
30 students x 9.5 SCH x $20 = $5,700

30 students x 3 SCH x $35 = $3,150
20 students x 12 SCH x $35 = $8,400
$34,500

C. Projected Surplus/Deficit

Projections are that the program will generate funds the first year. The second year will have expenses of additional faculty hires, yet will continue to generate funds as the program grows. Our rationale of determining the number of students in the degree above is based on a very conservative estimate of new students to Kansas State University who would enroll in this degree. Therefore, the projected surplus (or deficit in YR 1) for this degree we believe to be a very conservative estimate. Based on similar degrees from other institutions, we anticipate that enrollment in this degree would be much higher than listed once we are able to market the degree to students interested in public health.

XI. References

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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 has submitted an application for approval and the proposing academic unit has responded to all of the requirements of the program approval process.

June 17, 2020

I. General Information

A. Institution University of Kansas

B. Program Identification

Degree Level:	Bachelor's
Program Title:	Health Sciences
Degree to be Offered:	Bachelor of Health Sciences
Responsible Department or Unit:	School of Professional Studies
CIP Code:	51.0000
Modality:	Online
Proposed Implementation Date:	Spring 2021

Total Number of Semester Credit Hours for the Degree: 120

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

III. Justification

The School of Professional Studies at the KU Edwards Campus in Overland Park, in collaboration with KU Medical Center (KUMC) and Johnson County Community College (JCCC), proposes to create a new online undergraduate degree, the Bachelor of Health Sciences (BHS). The program is designed for undergraduate students with a strong interest in a career in health sciences who have already earned an associate's degree or equivalent hours and are looking to complete the last two years necessary for a bachelor's degree.

The BHS degree will be a Johnson County Education Research Triangle (JCERT) funded, 100% online completion degree for students transferring to KU Edwards. The BHS program will provide students with the opportunity to demonstrate their ability to succeed in courses with content relevant to their anticipated healthcare profession and elective courses will afford students the ability to concentrate in the following areas: Nutrition, Public and Population Health, and Health Management and Policy. The School of Professional Studies has specifically collaborated with the School of Medicine and the School of Health Professions at KUMC in developing an undergraduate health sciences degree that appropriately prepares students to enter the Masters of Public Health (MPH), Master of Science in Clinical Research (MSCR), or Masters in Health Service Administration (MHSA) programs in the Department of Population Health, and the Masters of Science in Dietetics and Nutrition in the Department of Dietetics and Nutrition.

With the KU Edwards campus offering baccalaureate degree completion programs, we anticipate students interested in pursuing the BHS to come primarily from community college partners in the KC metro area, including JCCC and Kansas City Kansas Community College, and the Metropolitan Community College in Missouri. As KU-Edwards does not offer lower-division undergraduate (freshman-sophomore) courses, KU

Edwards staff and faculty have worked with staff and faculty at metro area 2-year colleges - primarily JCCC - to align course offering and content with KU requirements and needs for seamless transfer of credit and progression from JCCC to Edwards.

Over the past three years, KU Edwards, in collaboration with the dean and faculty of the Division of Healthcare/Public Safety & Wellness at JCCC, and the Executive Director of the Masters in Public Health Program at KUMC have worked to identify and develop public health and health professional degree pathways beginning at the 2-year college level, continuing through the baccalaureate level, and leading to graduate level. Concurrently, JCCC has been developing a concept for a focus on public health at the associate's levels and KUMC have well-established and respected graduate programs. The newly developed BHS will allow a student to move seamlessly from the public health focus at the 2-year college level to a public health-oriented degree at the baccalaureate level that will in turn prepare the student for a variety of graduate education options as mentioned above. This BHS proposal is in part a product of those three-way discussions between these institutions.

IV. Program Demand: Market Analysis option selected.

A. Market Analysis

The Bureau of Labor Statistics reports that employment of healthcare occupations is projected to grow 19% from 2014 to 2024, much faster than the average for all occupations with the addition of 2.3 million new jobs. Employment related to healthcare will account for almost one-third of all new jobs in the nation between 2012 and 2022 according to the U.S. Department of Labor. This sector of the economy is anticipated to show the most robust growth across the US job market.

Within the Kansas City metro area, the Mid-America Regional Council (MARC) reported year over year employment change (January 2019-January 2020) for the Health Services sector of +0.6% with the addition of over 1,000 new jobs. (MARC, 2020). Additionally, MARC reported medical and health services managers was the top occupation sought with 1,458 positions listed during the last 90 day hiring trend based on January 2020 data.

The KU Edwards campus commissioned a market survey and analysis from WhiteSpace Consulting, a Kansas City-based firm, to assess the potential for a Bachelor of Health Sciences degree in the Kansas City metro area. WhiteSpace assessed the market for healthcare occupations, conducted roundtable discussions with potential students, and interviewed the program director of a BHS program in a comparable-sized metro area (the BHS program at Cleveland State University, Cleveland, Ohio, with ~1400 students enrolled in a BHS baccalaureate). Findings from the WhiteSpace market survey indicate that based on national data, student insights and a comparable university's enrollment experience, there is demand for a BHS program in the Kansas City region. The BHS Program Director at Cleveland State University considers relationships with pipeline/articulation agreement partners as critical success factors in developing and continuing enrollment demand. KU Edwards has taken these findings into account in the development, targeting, and curriculum of the proposed online BHS program (see also previous notes on the KUEC-JCCC collaboration, above).

In the Kansas City region, there are limited Bachelor of Health Sciences degree offerings including programs at University of Missouri-Kansas City, Northwest Missouri State University, and University of Missouri-Columbia. The curriculum for KU's BHS differs from these programs by giving students the opportunity to focus coursework on Nutrition, Public and Population Health, and Health Management and Policy. In-state options for undergraduate health science degrees include an on-campus program at Wichita State and an online program at Washburn University.

The KUEC program is distinguished by its close connections with JCCC (to minimize transfer chokepoints and issues), and by the collaboration with relevant KUMC programs (ensuring that the BHS provides graduates with

the courses and skills necessary to advance to a graduate program). This bachelor's program was designed explicitly from the start with attention to the transfer students entering the program and the preparation of students to enter specific graduate programs. The degree will leverage strong multi-campus connections to academic and professional programs at KUMC and KU Lawrence to ensure the delivery of a high quality online degree completion program.

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	10	0	300	0
Year 2	10	10	600	150
Year 3	10	15	900	375

VI. Employment

National Perspective: The Bureau of Labor Statistics (BLS) reports that employment of healthcare occupations is projected to grow 19% from 2014 to 2024, much faster than the average for all occupations with the addition of 2.3 million new jobs. Employment related to healthcare will account for almost one-third of all new jobs in the nation between 2012 and 2022. This sector of the economy is anticipated to show the most robust growth across the US job market. Health science degrees can prepare graduates to take advantage of these expanding opportunities in many different health-related professions. The Department of Labor lists a total of 112 careers under its Health Sciences classification. Of these 112 careers, 88% are classified as "Bright Outlook," designating careers for which the Department of Labor projects 10% or greater employment increase between 2016 and 2026 or 100,000 or more job openings. BLS furthermore projects that nationwide, employment of medical and health services managers is projected to grow 18% from 2018 to 2028, much faster than the average for all occupations.

Regional Perspective: Within the Kansas City region the biomedical life sciences, including degrees in health administration and health related professions, is identified as one of five key industries and sectors by the Mid-America Regional Council (MARC) using employment and other economic data. Their 2019 Education Asset Inventory indicates talent must be developed for this sector to grow, and in some occupations the number of degrees awarded in the region does not meet demand. Jobs EQ notes total demand (replacement and growth) in this industry is expected to add 12,348 jobs in the Kansas City region over the next five years. Medical and Health Services Managers (BLS Code 11-9111), in particular, are projected for strong growth in Kansas (11% growth 2016-2026, 340 projected openings, with a mean annual salary of $108,000).

VII. Admission and Curriculum

A. Admission Criteria

Students must apply to KU Edwards and be admitted by the School of Professional Studies. Prior to entering the program, students must complete two (2) years of undergraduate college course work with a total of 60 semester credit hours and a cumulative GPA of 2.0.

B. Curriculum

The proposed Bachelor of Health Sciences program is unique because it draws upon coursework from multiple programs and disciplines. The flexible curriculum of this science program allows students to create an academic experience consistent with their healthcare career goals.

The proposed Bachelor of Health Sciences degree is comprised of six parts:

- KU Core Requirements: 24 credit hours
- Foundational Science Courses: 19 credit hours
    - BIOL 150 Principles of Molecular and Cellular Biology
    - BIOL 152 Principles of Organismal Biology
    - CHEM 130 General Chemistry I
    - MATH 101 College Algebra
    - MATH 365 Elementary Statistics
- Health Sciences Core Courses: 32 credit hours
    - BIOL 240 Fundamentals of Human Anatomy
    - BIOL 246 Principles of Human Physiology
    - BTEC 310 Scientific Communications or HMGT 310 Health Communication
    - BTEC 501 Biotechnology Ethics and Responsible Conduct of Research or HSCI 488 Ethics in Health Professions
    - HSES 371 Medical Terminology for Health Professionals
    - HSCI 336 Microbiology in the Health Sciences
    - HSCI 340 Introduction to Public Health
    - HMGT 300 Introduction to Healthcare Management
    - HMGT 305 Health Policy & Healthcare Systems
    - HMGT 350 Professional Development in the Health Sciences
    - LA&S 172 Exploring Health Professions
- Health Science Elective Courses: 24 credit hours of the courses below
    - BIOS 704 Principles of Statistics in Public Health
    - EVRN 543 Natural Hazards and Environmental Risks
    - HSCI 320 Principles of Nutrition
    - HSCI 420 Nutrition through the Life Cycle
    - HSCI 421 Public Health Nutrition
    - HSCI 422 Nutrition Assessment
    - HSCI 440 Introduction to Epidemiology
    - HSCI 441 Population Health
    - HSCI 445 Introduction to Environmental Health
    - HSES 308 Drugs and Diseases in Society
    - HSES 310 Research and Data Analysis in Health, Sport, and Exercise Sciences
    - HSES 331 Sport and Exercise Nutrition
    - HSES 489 Health and Human Sexuality
    - SOC 424 Sociology of Health and Medicine
    - SOC 425 Sociology of Global Health
- Upper-Division General Electives or Minor
    - Eighteen (18) credit hours of upper-division courses (300+ level or above) are allocated for electives or for a minor
- Capstone
    - HSCI 599: Health Science Capstone (3 credit hours)

  As noted earlier, since KU Edwards does not offer freshman-sophomore level courses the BHS is designed as an online degree completion program. Students are expected to complete the first two years at another campus, whether that be at one of our metro partners or elsewhere. Courses for Year 1 and 2 listed below are KU courses for which students will transfer in equivalent courses.

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

Course #	Course Name	SCH: 15
CHEM 130	Foundations of Chemistry I (KU Core 3N)	5
MATH 101	College Algebra (KU Core 1.2)	3
BIOL 150	Principles of Molecular and Cellular Biology	4
ENGL 101	Composition (KU Core 2.1)	3

Year 1: Spring

Course #	Course Name	SCH: 16
COMS 130	Speaker-Audience Com (KU Core 2.2)	3
Core 3H	Arts and Humanities Course	3
BIOL 152	Principles of Organismal Biology (KU Core 3.2)	4
ENGL 102	Critical Reading and Writing (KU Core 2.1)	3
Core 1.1	Critical Thinking Course	3

Year 2: Fall

Course #	Course Name	SCH: 15
BIOL 240	Fundamentals of Human Anatomy	3
SOC 104	Elements of Sociology (KU Core 4.1)	3
Core 3S	Social Science Course	3
	Elective/ Minor Course	3
	Elective/ Minor Course	3

Year 2: Spring

Course #	Course Name	SCH: 15
LA&S 172	Exploring Health Professions	3
MATH 365	Statistics	3
BIOL 246	Principles of Human Physiology	3
Core 4.2	Culture, Diversity & Global Awareness	3
	Elective/ Minor Course	3

Year 3 and 4 courses are offered online at the KU Edwards campus.

Year 3: Fall

Course #	Course Name	SCH: 14
HSCI 340	Introduction to Public Health	3
HMGT 350	Professional Development in the Health Sciences	2
	Health Science Elective 1	3
BTEC 310	Scientific Communication	3
HMGT 300	Intro to Healthcare Management	3

Year 3: Spring

Course #	Course Name	SCH: 15
HSCI 336	Microbiology for Health Sciences	3

HMGT 305	Health Policy & Healthcare Systems	3
	Health Science Elective 2	3
	Health Science Elective 3	3
HSES 371	Medical Terminology	3

Year 4: Fall

Course #	Course Name	SCH: 15
	Health Science Elective 4	3
	Health Science Elective 5	3
	Health Science Elective 6	3
	Elective/ Minor Course	3
HSCI 488	Ethics in Health Professions (or BTEC 501)	3

Year 4: Spring

Course #	Course Name	SCH: 15
	Health Science Elective 7	3
	Health Science Elective 8	3
	Elective/ Minor Course	3
	Elective/ Minor Course	3
HSCI 599	Capstone, Internship, or Research Project (KU Core 6)	3

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

Faculty Name	Rank	Highest Degree	Tenure Track Y/N	Academic Area of Specialization	FTE to Proposed Program
New Faculty	Program Director	Ph.D.	N	TBD	1.0
Mark Jakubauskas	Director for Research and Innovation & Lecturer	Ph.D.	N	Environmental Studies, Environmental Health	0.25
Won Choi	Vice Chair & Professor	Ph.D.	Y	Public and Population Health	0.25
Sarah Kessler	Associate Professor	Ph.D.	Y	Public and Population Health	0.25
Danielle Christifano	Research Assistant Professor	Ph.D.	Y	Dietetics and Nutrition	0.25
Heather Gibbs	Assistant Professor	Ph.D., RD	Y	Dietetics and Nutrition	0.25
Brendan Mattingly	Lecturer & Program Director for MCDB	Ph.D.	N	Molecular, Cellular, and Developmental Biology (MCBD)	0.25

Benford Mafuvadze	Lecturer	Ph.D.	N	Molecular Biology	0.25
Jack Treml	Professor of Practice	Ph.D.	N	Biotechnology, Immunology	0.25
Randy Logan	Professor of Practice & Program Director for Biotechnology	Ph.D.	N	Biotechnology	0.25
Deb Sullivan	Professor & Chair, Dietetics & Nutrition	Ph.D.	Y	Dietetics and Nutrition	0.25

Number of graduate assistants assigned to this program **…… 0**

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	$30,000	$37,500	$45,000
Administrators *(other than instruction time)*	$27,500	$28,050	$28,611
Graduate Assistants			
Support Staff for Administration (*e.g., secretarial*)			
Fringe Benefits *(total for all groups)*	$12,557	$13,739	$14,933
Other Personnel Costs			
Total Existing Personnel Costs – Reassigned or Existing	$70,057	$79,289	$88,544
Personnel – New Positions			
Faculty	$90,000	$90,000	$90,000
Administrators *(other than instruction time)*	$30,000	$30,000	$30,000
Graduate Assistants			
Support Staff for Administration (*e.g., secretarial*)			
Fringe Benefits *(total for all groups)*	$30,913	$30,913	$30,913
Other Personnel Costs			
Total Existing Personnel Costs – New Positions	$150,913	$150,913	$150,913
Start-up Costs - One-Time Expenses			
Library/learning resources			
Equipment/Technology			
Physical Facilities: Construction or Renovation			
Other- Online Course Development	$15,000	$15,000	
Total Start-up Costs	$15,000	$15,000	$0
Operating Costs – Recurring Expenses			

Supplies/Expenses	$2,500	$2,500	$2,500
Library/learning resources	$500	$500	$500
Equipment/Technology			
Travel			
Other	$11,400	$11,400	$11,400
Total Operating Costs	$14,400	$14,400	$14,400
GRAND TOTAL COSTS	$250,370	$259,602	$253,857

B. FUNDING SOURCES *(projected as appropriate)*	First FY (New)	Second FY (New)	Third FY (New)
Tuition / State Funds	$100,920	$252,300	$428,910
Student Fees	$34,965	$87,413	$148,601
Other Sources (JCERT)	$114,485	$0	$0
GRAND TOTAL FUNDING	$250,370	$339,713	$577,511
C. Projected Surplus/Deficit (+/-) (Grand Total Funding *minus* Grand Total Costs)	$0	$80,111	$323,654

X. Expenditures and Funding Sources Explanations

A. Expenditures

Personnel – Reassigned or Existing Positions

The BHS program utilizes existing courses that are currently offered at KU Edwards, such as Biotechnology, Nutrition, Public and Population Health, Environmental Health, Medical Terminology, and Molecular Biology. Cost of instruction will be covered by the existing program until additional offerings are needed. We anticipate needing additional BHS electives in Year 3. Existing KU faculty listed above will be developing and teaching new BHS elective courses once they are needed. New course development funds have been included in the budget. A current academic success coach will be assigned to work with the BHS program. The BHS program will make up 50% of their student load and the BHS program will fund 50% of salary and fringe.

Personnel – New Positions

The BHS program will be hiring a program director in the first year that will oversee program administration and will teach in the program. The program director's salary has been split between faculty teaching and administration at a rate of .75 and .25 or $90,000 for his or her faculty teaching responsibilities and $30,000 for program administration.

Start-up Costs – One-Time Expenses

In order to ensure a successful launch of the online program, we have designation $15,000 for online course development for each of the first two years. These funds will provide faculty with additional resources to development the courses needed for the program.

Operating Costs – Recurring Expenses

All equipment, library, and supplies have been accounted for in the existing services provided to KU Edwards Students and no additional cost will be associated with the program. The KU Edwards Campus is allocating $500 each year for instructional resources, $2,500 each year for recruitment efforts, and $10,000 each year for marketing efforts. In addition, the program director will receive $1,400 each year for professional development.

B. Revenue: Funding Sources

The BHS program is a Johnson County Education and Research Triangle* (JCERT) funded program. The program will be fully funded through JCERT funds and tuition revenue. No state funds will be utilized. JCERT funds will be used to help fund the program during the implementation year until the program is revenue generating and sustainable on tuition funds alone. BHS students will be charged the standard KU Undergraduate tuition and then will be charged Edwards Campus and Course fees. The standard tuition rate for AY 2020 (and proposed for AY 2021) is $336.40 per credit hour for all Kansas residents and residents of 11 Missouri counties. Edwards Campus fee is $76 per credit hour and the course fee is $40.55 per credit hour. These are standard fees for all courses offered at the Edwards Campus.

* The Johnson County Education Research Triangle (JCERT) is a unique partnership between Johnson County, the University of Kansas and Kansas State University. Its goal is to create economic stimulus and a higher quality of life through new facilities for research and educational opportunities. In November 2008, Johnson County voters invested in the county's future by voting for a 1/8-cent sales tax to fund JCERT initiatives, including development of the National Food and Animal Health Institute at K-State Olathe; the KU Clinical Research Center in Fairway, Kansas; and here at KU Edwards, the BEST Building with several degree and certificate offerings in business, engineering, science and technology.

C. Projected Surplus/Deficit

Given the anticipated costs and revenue, the program is expected to run a deficit in the first year of implementation. JCERT funds will be used to help fund the program during the implementation year until the program is revenue generating and sustainable on tuition funds alone. With the current enrollment estimates, the BHS program is expected to have a revenue surplus. These funds will be utilizes to help improve the overall student experience and provide additional funding

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

May 20, 2020

Daniel Archer
Vice President, Academic Affairs
Kansas Board of Regents
1000 SW Jackson St., Ste. 520
Topeka, KS 66612

Dear Dr. Archer:

I am writing to request approval for changing the name of a degree program.

We request changing the name of our Bachelor of Arts/Bachelor of Science in Fisheries, Wildlife, and Conservation Biology to Fisheries, Wildlife, Conservation, and Environmental Biology. The current BA/BS has three options for students – fisheries, wildlife, and conservation biology. All three options are attractive for student enrollments. The program is in the process of adding a fourth option – environmental biology. This is an area in which students have shown increased interest in the past few years. There is a good market for jobs requiring degrees in environmental biology, from research to policy, in public service, corporate or non-profit sectors.

The change in the name of the degree will better fit the inclusion of all options available within the program. This program is housed in the Division of Biology within the College of Arts & Sciences. The Division has received internal approvals to change the degree name, which more clearly describes the range of content in the degree. Thus, we are requesting approval to change the name of the degree to be the *BA/BS in Fisheries, Wildlife, Conservation, and Environmental Biology*.

As noted, this change was approved through our internal processes, and I approve the name change. Please let us know if you have any questions.

Sincerely,

Charles S. Taber
Provost and Executive Vice President

cc: Amit Chakrabarti, Dean of College of Arts and Sciences
Brian Niehoff, Associate Provost for Institutional Effectiveness

108 Anderson Hall, Manhattan, KS 66506-0113 | (785) 532-6324 | fax (785) 532-6307 | k-state.edu/provost

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

MEMORANDUM

Date: June 9, 2020

To: Dr. Daniel Archer
Vice President of Academic Affairs
Kansas Board of Regents

From: Charles S. Taber
Provost and Executive Vice President

Re: New and renamed departments at KSU Polytechnic

We are requesting two changes to the departmental structure at the Kansas State University Polytechnic campus. The Polytechnic campus has operated for the past four years under a single unit – the School of Integrated Studies. This school was created by combining multiple departments, including the Department of Aviation. It was felt at the time that this single department would be easier to administer and create unity of purpose. It has become apparent, as the campus has grown, that the single unit is less efficient and too diverse to be administered by a single department head.

First, we would like to create a new Department of Aviation. Aviation is the cornerstone program at KSU Polytechnic, and enrollments have been growing in recent years. The programs in this department will include professional pilot, aviation maintenance, aviation management, and unmanned flight operations and maintenance. These programs have been growing steadily and are under the oversight of the Federal Aviation Administration.

Second, we would like to rename the School of Integrated Studies to be the Department of Integrated Studies. The title of "school" implies a broad array of programs. This department will mainly house the programs in engineering technology, as well as applied business and technology. In addition, faculty teaching support courses in English, mathematics, and science will also be housed in this department.

I am fully supportive of these changes to the structure at the Polytechnic campus. I believe that they will be more effective going into the future.

Thank you for your assistance on this and let us know if you have any questions.

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

KU THE UNIVERSITY OF KANSAS
Office of the Provost

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

FROM: Barbara Bichelmeyer, Provost and Executive Vice Chancellor

Barbara A. Bichelmeyer

DATE: May 27, 2020

RE: Request to Change MA degrees to MS Degrees

The University of Kansas is requesting to change the following three Master of Arts (MA) degrees to Master of Science (MS) degrees:

- MA in Microbiology to MS in Microbiology
- MA in Biochemistry & Biophysics to MS in Biochemistry & Biophysics
- MA in Molecular, Cellular, & Developmental Biology to MS in Molecular, Cellular, & Developmental Biology

While the request is to change the type of degree awarded (from MA to MS), the name of the degrees, attending sub-specializations, and degree requirements will remain exactly as they are now. The Department of Molecular Biosciences is requesting this change for three inter-related reasons:

(1) The generally-used interpretation of how students are trained in an MS degree more specifically aligns with how the unit currently administers its degree programs, which have a significant research component.
(2) For admissions purposes, defining these degrees as MS degrees would help applicants understand what is offered.
(3) In the biosciences MS and MA degrees are viewed differently by potential employers, and thus graduates may be more competitive for research-focused positions with MS degrees.

To further illuminate the first point related to research, it is typically the case that institutions offering both MA and MS degrees in biology define the MA as a degree with no, or very light research requirements, and the MS as a degree with a significant research component. This was demonstrated by the reviewing statements from the MA/MS program websites of Ball State University, Binghamton University, Temple University, Washington University at St. Louis, and Western Michigan University. The MA degrees currently offered by KU's Department of Molecular Biosciences have significant research requirements and thus an MS designation is more appropriate.

Thank you very much for considering this request, and please do not hesitate to contact Jean Redeker (jredeker@ku.edu) if you need additional information.

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