

# COUNCIL OF CHIEF ACADEMIC OFFICERS AGENDA

April 19, 2017  
9:15 am – 10:00 am or  
upon adjournment of SCOCAO  
reconvene at noon

The Council of Chief Academic Officers will meet in the KU School of Business, Capitol Federal Hall, Room 2141, 1654 Naismith Drive, Lawrence, KS 66045.

## I. Call To Order

A. *Approve March 15, 2017 Meeting Minutes* Neeli Bendapudi, Chair p. 2

## II. Program Request

- A. *B.S. in Interior Architecture and Design (First Reading)* Neeli Bendapudi, KU p. 7  
B. *B.A.A. in Media Arts (First Reading)* Tony Vizzini, WSU p. 13  
C. *B.S. in Biomedical Engineering (Second Reading)* April Mason, KSU p. 21  
D. *Request Approval for Degree Name Change from Clinical Laboratory Science (Medical Technology) B.A./B.S. to Medical Laboratory Science B.A./B.S.* April Mason, KSU p. 28  
D. *Request Approval for Department Name Change from Department of French and Italian to Department of French, Francophone, and Italian Studies* Neeli Bendapudi, KU p. 29  
F. *Request Approval for Degree Name Change from B.S. in Geography to B.S. in Geosciences* Jeff Briggs, FHSU p.30  
G. *Request Approval for Degree Name Change from B.S. in Justice Studies to B.S. in Criminal Justice* Jeff Briggs, FHSU p. 31  
H. *Request Approval for Major Name Change within an approved degree from B.A. with a major in Justice Studies to a B.A. with a major in Criminal Justice* Jeff Briggs, FHSU  
I. *Request Approval for Degree Name Change from M.S. Counseling with a major in School and Clinical Mental Health Counseling to M.S. in School Counseling* Lynette Olson, PSU p. 32

## III. Informational Items

- A. *Pittsburg State University* Lynette Olson, PSU  
- *Emphases Name Change for BST-Automotive Technology*  
- *Addition of two Certificates*

## IV. Updates

- A. *Council of Faculty Senate Presidents* Pam Keller  
*AP Statewide Cut Score Policy and Process*

## V. Other Matters

- A. *Academic Advising Form* Jean Redeker  
B. *Academic Calendars* Jean Redeker  
C. *Update on Board Goal to review policy on Credit Hour Requirements for Baccalaureate Degree to determine if policy meets best practices for promoting on time completion* Jean Redeker  
D. *University Press of Kansas Board Meeting* Neeli Bendapudi, KU

## VI. Adjournment

*Next meeting May 17, 2017 / Agenda Materials due April 26<sup>th</sup> / New Program Proposals due April 19<sup>th</sup> for May meeting*

**Kansas Board of Regents  
Council of Chief Academic Officers**

**Wednesday, March 15, 2017  
MINUTES**

The Council of Chief Academic Officers met in the Kathy Rupp Conference Room of the Kansas Board of Regents at 9:39 a.m. on Wednesday, March 15, 2017, and reconvened at noon.

**In Attendance:**

Members:	Neeli Bendapudi, KU	Lynette Olson, PSU	Robert Klein, KUMC
	Tony Vizzini, WSU	David Cordle, ESU	April Mason, KSU
	Julie Mazacheck, Washburn	Graham Glynn, FHSU	Jeff Briggs, FHSU

Staff:	Jean Redeker	Karla Wiscombe	Max Fridell
	Susan Hancock		

Others:

Stuart Day, KU	Rick Muma, WSU	Rick Moehring, JCCC
Kim Krull, Butler CC	Pamela Keller, KU	Janice Jewett, PSU
Michael McCloud, JCCC	Ruth Dyer, KSU	Tiffany Bohm, KCKCC
Andrew Bennett, KSU	Doc Arnett, Cowley CC	Todd Carter, Seward CC
Aron Potter, Coffeyville CC	Amy Hite, PSU	Alysia Johnston, Fort Scott CC
David Thompson, KSU	Don Gruenbacher, KSU	Steve Warren, KSU
Amalia Monroe-Gillen, KU	Brian Lindshield, KSU	

Neeli Bendapudi called the meeting to order at 9:39 a.m.

**Approve February 15, 2017 Minutes**

April Mason moved to approve the February 15, 2017 minutes. Lynette Olson seconded, and the motion carried.

**II. Program Requests**

KSU – Bachelor of Science in Biomedical Engineering (First Reading) information was presented by April Mason. Don Gruenbacher, David Thompson, and Steve Warren, KSU, were introduced and answered questions. If there are any further comments or questions, please contact April Mason prior to the April 2017 meeting. This is a first reading and no action is required.

- KU – Master of Science in Homeland Security: Law & Policy (Second Reading)  
Neeli Bendapudi stated there have been no further discussions.

April Mason moved to recommend placing KU's Master of Science in Homeland Security: Law & Policy on the Council of Presidents agenda for approval. Tony Vizzini seconded, and the motion carried.

The proposed program from KU will be reviewed by the Council of Presidents at its meeting today (March 15, 2017).

**III. Informational Items**

- PSU addition of Automotive Service Technology Certificate
- ESU addition of minor in Data Security

**IV. Updates**

Pam Keller informed COCAO of the progress made by the Council of Faculty Senate Presidents on determining statewide AP cut scores

- Report on AP Credit Policy Implementation attached

- Discussion involved:
  - Determination of future review dates for cut scores at today's meeting
  - Coordination of institutions to abide by the proposed policy
  - Present a recommendation requesting a vote on proposed AP Credit Score policy at April 19, 2017 COCAO meeting

**V. Other Matters**

Jean Redeker presented information on Academic Calendars.

- Potential issue with different spring break for universities
- Academic Calendar discussion at BAASC meeting today
- Review Academic Calendar proposal at April COCAO meeting
- KU Med scheduling a week long break every 12 weeks starting July 2016

Standardized report on Academic Advising for HLC and KBOR

Discussion was held for developing a standardized report on Academic Advising for HLC and KBOR. HLC has an expectation that institutions look at Academic Advising and does not have a form to complete. COCAO requested KBOR staff review the current form and offer suggestions for improvement at the April 19<sup>th</sup> meeting.

Chair recessed until noon.

COCAO reconvened at 12:26 pm.

Thanked Graham Glynn for his dedication and service to COCAO and wished him well in his new position at Radford University.

Jean Redeker updated COCAO on the result of "No Finding" for the Federal Audit of Financial Reporting.

COCAO discussed BAASC's request for a consensus on determining spring break for the Academic Calendars. The consensus is to allow the universities autonomy to determine spring break while avoiding the third week in March.

Student Advisory Committee has appointed Emily Brandt, FHSU, and Elijah Williams, ESU, as liaisons for BAASC.

The Council of Faculty Senate Presidents will be presenting a recommendation requesting a vote on AP Credit Score Policy at the April 19<sup>th</sup> COCAO meeting.

The April 19<sup>th</sup> COCAO meeting will be held in Lawrence. A professional development meeting was discussed for Tuesday evening.

There being no other business, David Cordle moved to adjourn. April Mason seconded, and the motion passed with Graham Glynn opposed. The Chair adjourned the meeting at 12:50 pm.

To: Council of Chief Academic Officers

From: Pam Keller, COFSP Chair

Re: Report on AP Credit Policy Implementation

Date: 3/15/17

**Summary:** Using the COFSP process for establishing a system-wide AP credit score higher than 3 for Regents institutions, two academic disciplines agreed on a higher score. Physics agreed to a minimum credit score of 4 for algebra-based courses and 5 for calculus-based courses. Art history agreed to a minimum score of 4 for its course. The large majority of faculty did not object to a default minimum score of 3 to first courses.

### **Background:**

**KBOR's Credit by Examination policy.** This policy requires each state university to award credit for all Advanced Placement (AP) examination scores of 3 or above for the equivalent course(s) at their institution beginning July 1, 2017. The same policy also requires, by the same date, that institutions award credit for all College-Level Examination Program (CLEP) examination scores at or above the American Council of Education's recommended score for the equivalent course(s) at their institution.

As to AP scores only, the KBOR policy allows academic disciplines to establish a higher minimum score if they follow the process the Council of Faculty Senate Presidents (COFSP) proposed and the Council of Chief Academic Officers (COCAO) approved (approved on May 18, 2016). The KBOR policy and the COFSP process are attached.

**COFSP Process.** The approved process charged COFSP members with communicating the default score to department heads whose faculty members were responsible for the equivalent courses at each university. If no university department objected to the default score of 3, the default score became the uniform minimum score for all institutions. But if a department objected, then the COFSP chair was charged with facilitating conference calls with the appropriate faculty from each institution with the objective of reaching consensus on a higher score. If a consensus could be reached, then the discipline could establish a higher minimum score. Absent consensus, or action by COCAO, the default minimum score of 3 would apply across the system.

**Implementation:** In late fall of 2016, COFSP members worked with their administrations to inform department heads (or other faculty responsible for the equivalent courses) that KBOR policy would apply a default AP credit score of 3 to equivalent courses unless a system-wide higher score could be

agreed upon. Any faculty member who wanted to discuss a higher score was required to communicate that request to the COFSP member.

The majority of faculty did not communicate an objection to 3 as the minimum system-wide score. But at least one faculty member in five disciplines (art history, physics, biology, chemistry, and psychology) requested a discussion with their peers at the other institutions. Accordingly, the COFSP Chair, with the KU governance office's assistance, facilitated conference calls for each of the five disciplines. Each group held at least one conference call and had additional communications by email between December 2016 and February 2017. Groups reviewed their current AP scores, discussed concerns with changing current scores to a lower score, and worked to reach consensus on the most appropriate system-wide score.

## **Results:**

**Biology, chemistry, and psychology agreed to a minimum score of 3.** Biology and chemistry agreed on a score of 3 for their first courses (biology for non-majors and Chem 1). One psychology department would have preferred a score of 4, but a consensus could not be reached that this was the most appropriate score for all schools. Thus the group as a whole acquiesced in the default score of 3.

**Art history agreed to a minimum score of 4.** Because the AP test divides the material covered in two-semester art history survey courses into several sections, students can receive a 3 on the AP test by doing exceedingly well on one section yet failing to achieve mastery of the material in another section.

Art history faculty determined that a minimum score of 4 assures that all students have sufficient mastery of the material necessary to justify college credit.

**Physics agreed to a minimum score of 4 for algebra-based courses and a score of 5 for calculus-based courses.** The physics professors reasoned that students with AP scores of 3 come in with substantive concepts but are not prepared enough for the actual problem solving required. A score of 4 for algebra-based courses and 5 for calculus-based courses assures all students will be prepared to succeed.

Overall, the COFSP process was a positive one. Faculty appreciated the opportunity to discuss concerns with changing current AP credit scores and the chance to reach a consensus on the most appropriate system-wide score. COFSP also appreciated the opportunity to be involved in implementing the KBOR Credit by Examination policy.

## CHAPTER II: GOVERNANCE - STATE UNIVERSITIES

### A. ACADEMIC AFFAIRS

#### 3. CREDIT BY EXAMINATION

- a. College Level Examination Program (CLEP) and Advanced Placement (AP) credit awarded by any state university in conformity with this policy shall be accepted by all other state universities.
- b. Beginning July 1, 2017, each state university shall award:
  - i. Credit for all Advanced Placement (AP) examination scores of three (3) or above for the equivalent course or courses at their institution.
  - ii. Credit for all College-Level Education Program (CLEP) examination scores at or above the American Council of Education's (ACE) credit-granting recommended score of 50 for the equivalent course or courses at their institution.
- c. Any academic discipline may establish a higher system-wide AP exam score above three (3) using the process for establishing a higher AP exam score that was proposed by the Council of Faculty Senate Presidents and approved by the Council of Chief Academic Officers on May 18, 2016.
- d. All other Kansas public postsecondary educational institutions are encouraged to adopt this state university policy.
- e. Institutions shall have discretion on awarding additional credit for scores above three (3) on AP exams and scores above the ACE credit-granting recommended score of 50 for CLEP exams.

#### **Process for establishing a higher system-wide score [proposed by the Council of Faculty Senate Presidents and approved by COCAO]:**

- 1- Charge the members of CoFSP to distribute the default system-wide cut scores in draft form, to the department heads whose faculty members are responsible for each of those equivalent courses at each of the applicable universities.
- 2- If no university's department objects to the default cut score for a given exam, let that default cut score be established as the system-wide cut score for the equivalent course.
- 3- If one or more departments object to a particular default cut score, let all of the university department heads responsible for that particular exam discuss the issue by email or conference call, facilitated by the chair of the CoFSP, with the objective of reaching consensus on a different score. If a consensus cannot be reached, convene a meeting of the university department heads responsible for the exam in question at the Kansas Core Outcomes Group annual fall meeting. If consensus still cannot be reached, let the Council of Chief Academic Officers set the system-wide cut score for that particular exam.

## New Degree Request – University of Kansas

<u>Criteria</u>	<u>Program Summary</u>
1. Program Identification	Bachelor of Science in Interior Architecture and Design 04.0501
2. Academic Unit	School of Architecture, Design and Planning
3. Program Description	<p>This Bachelor of Science degree, serving undergraduate students on the Lawrence Campus, draws on courses and strengths from the School of Architecture, Design and Planning. It will prepare students to work as National Council for Interior Design Qualification (NCIDQ)-licensed Interior Designers and/or Interior Architects in architecture firms, design firms, corporate architecture/design offices, and public or private organizations that manage and operate complex public and commercial buildings or companies that design equipment, furnishings, and technologies to improve the use of buildings.</p> <p>Students who complete the eight-semester, sequential curriculum are trained to work collaboratively with architects, engineers, and other design and construction professionals. In addition to specialized interior architecture courses, an integrated senior design project, and a professional internship, students must also fulfill a six-credit study-abroad requirement.</p>
4. Demand/Need for the Program	<p>The demand for this program at KU has grown significantly in the last seven years due to three factors. First, the design and construction industries have recovered from the 2008-09 recession and prospective students are aware of increased employment opportunities. Second, many school districts have launched specialized programs that direct students toward careers in architecture, design, and engineering (e.g., Blue Valley Center for Advanced Professional Studies, Shawnee Mission Project Lead the Way, Olathe Environmental Design, and others). And, third, when the KU Design department joined the School of Architecture and Urban Planning in 2010, the interior design program was dissolved due to the need to reallocate faculty. Thus, without seeking prospective students, KU continues to receive 30-35 inquiries, applications, and visits each year from students who wish to study Interior Architecture and Design and who must go elsewhere or find a different major.</p> <p>The need for this program is clear. The Kansas Bureau of Labor Statistics shows an expected 15.1 percent annual growth in positions for interior architects/designers and the U.S. Bureau of Labor Statistics showed 13 percent growth in this field in 2015 and a projected rate of growth of 20 percent through 2024. Additionally, a survey conducted in February 2017 of 90 firms that are connected to the School of Architecture, Design and Planning showed that 89.5 percent of the respondents are interested in hiring entry-level graduates of the proposed program. Several leading national design firms have already expressed interest in joining the internship network for the degree and providing other learning opportunities; a substantial donation in support of the program was recently pledged by a distinguished graduate.</p>

<p>5. Comparative /Locational Advantage</p>	<p>Four-year Interior Design degrees are found at three of the State’s universities (FHSU, PSU, and KSU). The only Interior Architecture degree in Kansas is KSU’s five-year Master of Interior Architecture and Product Design degree. Interior Design programs are found in the major universities of the neighboring states. KU is the only major university in the region that does not have a Council for Interior Design Accreditation (CIDA)-accredited degree that focuses on Interior Architecture or Interior Design. Yet, KU has the largest and closest market of potential Interior Architecture and Design students as well as the largest and closest network of Interior Architecture and Design employers.</p> <p>The proposed degree differs from all of the programs mentioned in the following ways: 1) The degree is designed to be completed in four years with content and coursework drawn from both Architecture and Design; 2) Graduates of this program will have the option of completing the accredited Master of Architecture degree upon completion of the 4-year Interior Architecture and Design program; 3) It will include the fundamental, technological strengths of an architecture degree with advanced course work from our Visual Communications and Industrial Design programs; 4) Students will have unparalleled opportunities for internships with leading firms in the US and abroad; and 5) Students will participate in a design-build studio experience that has no comparable experience within the region.</p> <p>Proximity to local firms in the Kansas City-Topeka corridor offers a significant local advantage for students seeking internships and professional connections.</p>
<p>6. Curriculum</p>	<p>The 36 classes that make up the Interior Architecture and Design curriculum can be divided into six groups:</p> <p><i>Studio</i> (33 credits). Students will complete seven project-based classes that require synthesis and application of content knowledge.</p> <p><i>Support</i> (27 credits). Students will complete nine support classes focusing on history, theory, computing, structures, environmental systems and other areas that overlap with Architecture and Design.</p> <p><i>Specialized</i> (30 credits). Students will complete seven, required, fundamental courses and three career-specialized electives.</p> <p><i>External Courses</i> (25 credits). Students must meet the KU Core requirements and complete basic course work in English, Calculus, and Physics.</p> <p><i>Study Abroad</i> (6 credits). Students will complete this requirement either during the summer or winter intersession. The School has developed a broad range of programs in Europe, Asia and the Caribbean, all led by faculty.</p> <p><i>Professional Internship</i> (6 credits). Students will spend at least the fall semester of their final year in a professional internship.</p>



7. Faculty Profile	<p>Core faculty who teach support courses, studios and some of the specialized Interior Architecture and Design are listed below.</p> <table border="1" data-bbox="557 178 1435 751"> <thead> <tr> <th>Faculty Name</th> <th>Faculty Rank</th> <th>Highest Degree</th> <th>FTE</th> </tr> </thead> <tbody> <tr> <td>Colistra, Joe</td> <td>Assoc Professor</td> <td>M.Arch.</td> <td>1.0</td> </tr> <tr> <td>Castillo, Roberto</td> <td>Lecturer</td> <td>Ph.D.</td> <td>0.5</td> </tr> <tr> <td>Grabow, Stephen</td> <td>Professor</td> <td>Ph.D.</td> <td>1.0</td> </tr> <tr> <td>Sheward, Hugo</td> <td>Asst Professor</td> <td>Ph.D.</td> <td>1.0</td> </tr> <tr> <td>Vakil, Nilou</td> <td>Lecturer</td> <td>M.Arch.</td> <td>0.5</td> </tr> <tr> <td>Karim, Farhan</td> <td>Asst Professor</td> <td>Ph.D.</td> <td>1.0</td> </tr> <tr> <td>Hascall, Jason</td> <td>Lecturer</td> <td>M.S.</td> <td>0.5</td> </tr> <tr> <td>Hossler, Tim</td> <td>Asst Professor</td> <td>M.Arch.</td> <td>1.0</td> </tr> <tr> <td>Van de Riet, K.</td> <td>Asst Professor</td> <td>Ph.D.</td> <td>1.0</td> </tr> <tr> <td>Shellhorn, J.</td> <td>Assoc Professor</td> <td>M.F.A.</td> <td>1.0</td> </tr> <tr> <td>Chang, Jae</td> <td>Assoc Professor</td> <td>D.Arch.</td> <td>1.0</td> </tr> <tr> <td>Johnson, W.</td> <td>Lecturer</td> <td>M.Arch.</td> <td>0.5</td> </tr> <tr> <td>Huang, Thomas</td> <td>Assoc Professor</td> <td>M.Arch.</td> <td>1.0</td> </tr> </tbody> </table> <p>Three additional tenure-line core faculty members will be hired in the first three years of the program's operation to cover studios and specialized Interior Architecture and Design classes.</p>	Faculty Name	Faculty Rank	Highest Degree	FTE	Colistra, Joe	Assoc Professor	M.Arch.	1.0	Castillo, Roberto	Lecturer	Ph.D.	0.5	Grabow, Stephen	Professor	Ph.D.	1.0	Sheward, Hugo	Asst Professor	Ph.D.	1.0	Vakil, Nilou	Lecturer	M.Arch.	0.5	Karim, Farhan	Asst Professor	Ph.D.	1.0	Hascall, Jason	Lecturer	M.S.	0.5	Hossler, Tim	Asst Professor	M.Arch.	1.0	Van de Riet, K.	Asst Professor	Ph.D.	1.0	Shellhorn, J.	Assoc Professor	M.F.A.	1.0	Chang, Jae	Assoc Professor	D.Arch.	1.0	Johnson, W.	Lecturer	M.Arch.	0.5	Huang, Thomas	Assoc Professor	M.Arch.	1.0
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8. Student Profile	<p>Students who will be drawn to this interactive program will likely have interests in design, ergonomics, spatial lighting and acoustics, energy efficiency, and architectural designs from a variety of cultures. Students in this architectural program tend to focus more on the human use of a building, including sustainability, comfort, and health. Typically, these students have a great interest in creating an “experience” within a space. They tend to focus more on the human use of a building than the typical architectural student.</p> <p>Because there will be a limited number of seats available, admission will be competitive and will follow the same guidelines and requirements established for the professional Master of Architecture degree. Thus, the School attempts to attract the highest quality applicants within the pool, measured both by objective metrics (GPA, standardized test scores, class rank and other numerical indices of academic achievement) and by other screening tools such as interviews, required essays, portfolios, and questionnaires that focus on maturity, preparedness, and character.</p>																																																								
9. Academic Support	<p>Students and faculty have access to KU's extensive research library system and holdings. Additionally, they will be served by the Murphy Art &amp; Architecture Library, as well as the following collections and resources housed in the School of Architecture, Design and Planning: the Hatch Resource Center, the Donald E. &amp; Mary Boyle Hatch Reading Room, the Art &amp; Cultural Heritage Digital Image Collection, the Amos Rapoport Image Collection of Vernacular Design, the ARTstor Digital Library, and Material ConneXion.</p> <p>Advising services are sufficient and available for students in the Student Services Center, and no additional hires are needed here. A half-time administrative assistant and a student support officer will be hired for the program.</p>																																																								

<p>10. Facilities and Equipment</p>	<p>The proposed program will be housed in Marvin Hall with faculty offices and initial studio spaces made available in 2017 by the relocation of the Urban Planning Program.</p> <p>The following support facilities, labs, and shops required for this program are well equipped and easily accessible:</p> <p><i>Dedicated Computer Labs</i> include the Architecture Bridge Lab, the Design Print Lab, the Snow Teaching Lab, and other specialty computer labs.</p> <p><i>Wood and Metal Shops</i> include space in the Marvin Shop, the Snow Model-Building Shop, and the East Hills Design-Build Center.</p> <p><i>Digital Fabrication Labs</i> include the 3-D Printer Lab, the Laser Cutter Lab, the CNC Lab, and the Robotics Lab.</p> <p><i>Specialized Support Facilities</i> include the East Hills Furniture Design Studio, the Architectural Acoustics Lab, and the Photo Lab and darkroom.</p> <p>Differential tuition revenues generated by enrollment in the program will be used to support funding for studio workstations and projectors.</p>
<p>11. Program Review, Assessment, Accreditation</p>	<p>The Bachelor of Science in Interior Architecture and Design will be reviewed and assessed within the School with a focus on content, scheduling, expectations, and attainment of learning outcomes. These course-based assessments are supplemented by instructor/course student evaluations conducted each semester.</p> <p>The program will also be assessed at the university-level each year following standard university procedures utilizing metrics that address expectations, performance, and learning outcomes.</p> <p>Additionally, this program will be included in the Board of Regents program review schedule for assessment.</p> <p>Furthermore, dependent upon KBOR approval, as a Council for Interior Design Accreditation (CIDA) candidate program, the degree will undergo a complete accreditation review following the graduation of the second class from the program.</p> <p>Finally, some of the courses and projects included in the degree will also fall within the scope of accreditation reviews conducted by the National Architecture Accrediting Board (NAAB) and the National Association of Schools of Art and Design (NASAD).</p>
<p>12. Costs, Financing</p>	<p>For the implementation of this program, salaries and fringe benefits total \$132,000. This includes \$84,000 for tenure-track instruction, \$25,000 for support staff, \$18,000 for graduate teaching assistants, and \$5,000 for administration. Other operating costs (travel, office expenses, recruitment) and equipment/furnishings (workstations and audio-visual equipment) total \$36,250 for the implementation year. Overall costs are \$168,250 for the implementation year, \$308,500 for year two, and \$443,500 for year three.</p> <p>The School of Architecture, Design and Planning is following a new business model, approved by the university administration, in which tuition revenues generated by new enrollment in this program can be used to finance the development of the program. Projected enrollments will cover the full cost of the program. Differential tuition revenues produced by the new enrollment may also be used to purchase new studio furnishings and classroom equipment.</p>

**CURRICULUM OUTLINE  
NEW DEGREE PROPOSALS  
Kansas Board of Regents**

**I. Identify the new degree:** Bachelor of Science in Interior Architecture and Design

**II. Provide courses required for each student in the major:**

<b>Course Name &amp; Number</b>	<b>Credit Hours</b>
<b>Core</b>	3
IAD 103 Introduction to Architecture	6
IAD 108 Arch Foundations I	3
ENGL 101 Composition I	3
MATH 105, 115 or 365 Topics in Math, Calculus or Statistics	3
IAD 104 Principles of Modern Architecture	6
IAD 109 Arch Foundations II	3
<i>IAD Introduction to Design Computing</i>	3
PHSX 114 College Physics	4
<i>IAD Interior Architecture Studio I</i>	3
IAD 540 Global History I	3
IAD 524 Structures I	3
IAD 510 Ergonomics	3
<i>IAD Interior Architecture Studio II</i>	3
<i>IAD History of Interior Architecture</i>	3
IAD 624 Structures II	3
<i>IAD Human Centered Design</i>	3
IAD 201 Visual Communication	3
ENGL 102 Critical Reading & Writing	3
IAD 509 Interior Architecture Design-Build Studio	6
<i>IAD Products, Materials and Specifications</i>	3
<i>IAD Branded Environments</i>	3
IAD 530 Environmental Systems I	3
<i>IAD Interior Architecture Studio III</i>	3
IAD 552 Professional Practice	3
<i>IAD Furniture Design</i>	3
IAD 531 Environmental Systems II	3
<i>IAD Study Abroad</i>	6
<i>IAD Integrated Interior Architecture Studio</i>	6
<b>Electives</b>	3
KU Core Goal 2, Learning Outcome 2	3
KU Core Goal 3, Learning Outcome 2	3
General Education Elective 1	3
General Education Elective 2	3
Professional Enrichment Elective 1	3
Professional Enrichment Elective 2	3
Professional Enrichment Elective 3	3
<b>Practica</b>	6
<i>IAD Professional Internship</i>	6
<b>Total</b>	<b>127</b>

**IMPLEMENTATION YEAR FY 2018**

Fiscal Summary for Proposed Academic Programs

Institution: University of Kansas Proposed Program: Bachelor of Science in Interior Architecture and Design

<b>Part I. Anticipated Enrollment</b>	Implementation Year		Year 2		Year 3	
	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
A. Full-time, Part-time Headcount:	15	0	43	0	70	0
B. Total semester credit hours taken by all students in program	465		1,398		2,331	
<b>Part II. Program Cost Projection</b>						
A. In <u>implementation</u> year one, year two, and year three, please list all identifiable costs.						
	Implementation Year		Year 2		Year 3	
<u>Salaries and Fringe...Total</u>	<u>132,000</u>		<u>258,000</u>		<u>393,000</u>	
Instruction: GTAs	18,000		42,000		66,000	
Instruction: Adjuncts	-		27,000		45,000	
Instruction: Tenure-Line	84,000		168,000		252,000	
Administration	5,000		5,000		5,000	
Support Staff	25,000		25,000		25,000	
<u>OOE...Total</u>	<u>22,000</u>		<u>22,000</u>		<u>22,000</u>	
Travel	6,000		6,000		6,000	
Office Expenses	12,000		12,000		12,000	
Recruitment	4,000		4,000		4,000	
<u>Equipment/Furnishings...Total</u>	<u>14,250</u>		<u>28,500</u>		<u>28,500</u>	
Studio Workstations	11,250		22,500		22,500	
Studio AV Equipment	3,000		6,000		6,000	
<u>TOTAL</u>	<u>168,250</u>		<u>308,500</u>		<u>443,500</u>	

Indicate source and amount of funds if other than internal reallocation:

Salaries and OOE will be funded with tuition revenue generated by the program. Equipment and furnishings will be funded with differential tuition collected from new enrollments in the program and with new tuition revenue generated by the program.

Revised: January, 2017

## New Degree Request - Wichita State University

<u>Criteria</u>	<u>Program Summary</u>
1. Program Identification	CIP 500411 Bachelor of Applied Arts (BAA) in Media Arts
2. Academic Unit	College of Fine Arts
3. Program Description	<p>The Media Arts Program will be structured as one Bachelor of Applied Arts (BAA) in Media Arts degree with four tracks: audio production, filmmaking, animation, and game design. This structure is unique as it has four related tracks under one degree classification; this degree has a common core of courses as well as a set of sequenced courses specific to each of the four disciplines.</p> <p>The BAA degree is a vocational-oriented, undergraduate degree similar to the traditional BA or BS degrees; however, it is designed specifically as an <i>applied</i> degree aimed at preparing students for a particular career path.</p> <p>Housed in the College of Fine Arts, this collaborative degree will incorporate curriculum, facilities, personnel, and equipment from The Elliott School of Communication, Wichita Area Technical College, and a private, professional production studio external to WSU (CoCo Studios).</p>
4. Demand/Need for the Program	<p>For the past several years, there have been consistent and increasing inquiries from potential WSU students for programs in audio production, filmmaking, game design, and animation. A recent survey of students in the College of Fine Arts revealed an overwhelming interest in the program with over 90 percent in favor of such a degree offering; 70 percent indicated an interest in taking one or more courses in one or more of the four disciplines. Perhaps even more telling, when asked if they would have been interested in majoring in one of these four sequences had they been in place when they first enrolled as freshmen, more than 40 percent of the students responded affirmatively.</p> <p>Per the U.S. Bureau of Labor Statistics (BLS), overall employment for radio operators, and broadcast/sound engineering technicians is expected to increase by seven percent annually; and gaming designers' employment figures are expected to increase by 7,940 new jobs. Additional careers coming from this degree include: studio camera operator, cinematographer, videographer film director, film lighting engineer, video or film editor, film animator, and film lab technician.</p> <p>In 2015, the BLS reported that starting annual, average salaries in these fields range from \$41,780 to \$58,510.</p> <p>Regional demand for digital media jobs within the I-35 corridor between Omaha and Dallas is significant. Currently, more than six hundred positions are being advertised in the six major cities along this route.</p>
5. Comparative /Locational Advantage	<p>Among the six Kansas universities, as well as in the universities in states bordering Kansas, none offers a comparable degree.</p> <p>A recent Bureau of Labor Statistics study of job demands for "creative technology" graduates found that most of the more lucrative jobs were in urban areas. WSU, located in the largest city in Kansas, is uniquely qualified to offer students access to new, collaborative ventures through public-private partnerships, including CoCo Studios (a private, professional production studio) off-campus and the future IdeasLab on-campus. WSU serves a large portion of professional students and supports a student population collaborating across the liberal arts, fine arts and professional disciplines through its field majors and Honors College.</p> <p>These groups would further benefit from the opportunity of further study in these four emerging technological disciplines.</p>

6. Curriculum	<p>The BAA consists of 120 credit hours. Students are required to take 30 credits of General Education, 21 credits in common core courses, 54 credit hours in a discipline specific tract, and the remaining 15 hours in electives.</p> <p>These core courses would be required of all students in the four tracks, creating a cohort of students studying various aspects of Media Arts, but working together on projects.</p> <ul style="list-style-type: none"> <li>• MART 101 Intro to Media Arts (3 credit hours)</li> <li>• MART 101 History of Motion, Sound and Gaming (3 credit hours)</li> <li>• COMM 306 Basic Digital Editing (3 credit hours)</li> <li>• COMM 406 Audio Recording (3 credit hours)</li> <li>• MART 390 Professional Practices (3 credit hours)</li> <li>• MART 299 Media Arts Practicum I (1 credit hour)</li> <li>• MART 399 Media Arts Practicum II (2 credit hours)</li> <li>• MART 499 Media Arts Practicum III (3 credit hours)</li> </ul>
7. Faculty Profile	<p>Faculty in existing departments and colleges across the university will teach, coordinate the BAA curriculum, and work with students to create independent plans of study.</p> <p>All core faculty members currently teach one to three courses per semester and advise students. Because the courses for the proposed BAA program largely consist of existing courses, the additional advising and teaching would be minimal. Faculty include:</p> <p>Theatre: *Ed Baker, *Bret Jones, David Neville  Graphic Design: *Jeff Pulaski  Music: *Aleksander Sternfeld-Dunn, *Mark Foley  Digital Media: Amy DeVault  Art History: *Claudia Pederson  Media Resource Center: *John Jones  Communication: Kevin Hager</p> <p><i>* Designates a terminal academic degree.</i></p> <p>Additional faculty from the professional fields will teach technology-specific curriculum, as needed.</p>
8. Student Profile	<p>The Bachelor of Applied Arts degree will attract creative students preparing for a career in one of four emerging fields – audio engineering, filmmaking, game design, and animation. This program will serve students who: have an affinity for both technical as well as creative endeavors, are eager to apply their skills to technical tasks which are neither research-oriented nor entirely academic in nature, and aim to develop skills that will help them become entrepreneurs in their field.</p>
9. Academic Support	<p>This BAA degree will be facilitated by a director and will require faculty advisors within departments and colleges across several schools and colleges. The academic support model in place at WSU is extensive and includes support from the Counseling and Testing Center, Disability Support Services, One-Stop Student Services, University Libraries, Career Services, the Office of Cooperative Education and Work-Based Learning, among others.</p>
10. Facilities and Equipment	<p>WSU is partnering with CoCo Properties, LLC, and utilizing their off-campus facilities and equipment. This building, consisting of over 35,000 square-feet, houses four computer labs, an audio lab, a video lab, a motion capture studio, a green-screen area, two recording studios, an art studio, a clay studio, a design studio, two classrooms, a conference room, and additional space for offices. The leasing agreement gives WSU access to all facilities.</p> <p>On-campus, students and faculty will utilize the facilities and equipment found in the new GoCreate MakerSpace, Elliott School studios, and the future IdeasLab. No additional space or equipment will be needed.</p>

<p>11. Program Review, Assessment, Accreditation</p>	<p>This BAA degree program will be assessed through: course evaluations, learning objective assessments, curriculum/graduate exit surveys, knowledge-skills assessments, internal program review, participation in program forums, experience-based evaluations, and capstone evaluations. Furthermore, this program will be reviewed per the Kansas Board of Regents' program review requirements. Specialized accreditation is not available for this degree.</p>
<p>12. Costs, Financing</p>	<p>For the implementation of this program, salaries and fringe benefits total \$99,880. This includes \$50,000 for a full-time administrator and 12 sections annually for instructors at a total of \$34,880. The projected estimate of annual equipment leasing for this program is \$25,000. Other operating expenses (\$16,700) include instructional materials, miscellaneous supplies, software, and advertising. The total cost for the implementation year is \$141,580; the total cost for year two is \$150,300 and \$159,020 for year three. Funding will come from an internal reallocation from the office of the Provost and Senior Vice President for Academic Affairs. There will be an annual program fee for the final two years of the degree sequence to provide funding for the maintenance and replacement of materials and equipment in what is, admittedly, a technology-based degree.</p>

**CURRICULUM OUTLINE  
NEW DEGREE PROPOSAL  
Kansas Board of Regents**

- I. Identify the new degree:** Bachelor of Applied Arts in Media Arts–Animation Track  
**II. Provide courses required for each student in the major:**

<b>Core Courses</b>	<i>Course Name &amp; Number</i>	<i>Cr. Hrs.</i>
	ENG 101 College English I	3
	ENG 102 College English II	3
	MATH 111 College Algebra	3
	COMM 111 Public Speaking	3
	Gen Ed Humanities course	3
	Gen Ed Social/Behavioral Sciences course	3
	Gen Ed Natural Sciences/Mathematics course	3
	Gen Ed additional Introductory course	3
	Gen Ed Further Studies course	3
	Gen Ed Advanced Issues & Perspectives course	3
	MART 101 Intro to Media Arts	3
	MART 102 Hist. of Motion, Sound & Gaming	3
	COMM 306 Basic Digital Editing	3
	COMM 406 Audio Recording	3
	MART 390 Professional Practices (3x, 1 cr.)	3
	MART 299 Media Arts Practicum I	1
	MART 399 Media Arts Practicum II	1
	MART 499 Media Arts Practicum III	1
	ARTF 136 Foundation 2D Design	3
	ARTF 145 Foundation Drawing	3
	ARTS 240 Figure Drawing	3
	MART 220 Computer Modeling	3
	ARTH 125 Art History, Bodies or Play	3
	ARTH 1xx Art History elective	3
	MART 222 Digital Animation I	3
	MART 322 Digital Animation II	3
	MART 422 Digital Animation III	3
	ARTH 3xx Art History elective	3
	THEA 390 Acting for the Camera	3
	MART 352 Clay Modeling	3
	MART 350 Story Boarding	3
	THEA 516 Scriptwriting I	3
	MART 357 Rigging	3
	ARTG 490 Titles and Motion Graphics	3
	MART 424 Compositing and VFX	3
	COMM 604 Video Storytelling	3
<b>Electives</b>	Electives chosen with an advisor	15
<b>Research</b>		
<b>Practica</b>		
	<hr/> <i>Total</i>	<hr/> <i>120</i>



**CURRICULUM OUTLINE**  
**NEW DEGREE PROPOSALS**  
**Kansas Board of Regents**

- I. Identify the new degree:** Bachelor of Applied Arts in Media Arts–Game Design Trk  
**II. Provide courses required for each student in the major:**

<b>Core Courses</b>	<i>Course Name &amp; Number</i>	<i>Cr. Hrs.</i>
	ENG 101 College English I	3
	ENG 102 College English II	3
	MATH 111 College Algebra	3
	COMM 111 Public Speaking	3
	Gen Ed Humanities course	3
	Gen Ed Social/Behavioral Sciences course	3
	Gen Ed Natural Sciences/Mathematics course	3
	Gen Ed additional Introductory course	3
	Gen Ed Further Studies course	3
	Gen Ed Advanced Issues & Perspectives course	3
	MART 101 Intro to Media Arts	3
	MART 102 Hist. of Motion, Sound & Gaming	3
	COMM 306 Basic Digital Editing	3
	COMM 406 Audio Recording	3
	MART 390 Professional Practices (3x, 1 cr.)	3
	MART 299 Media Arts Practicum I	1
	MART 399 Media Arts Practicum II	1
	MART 499 Media Arts Practicum III	1
	ARTF 136 Foundation 2D Design	3
	ARTF 145 Foundation Drawing	3
	ARTS 240 Figure Drawing	3
	MART 220 Computer Modeling	3
	ARTH 125 Art History, Bodies or Play	3
	ARTH 1xx Art History elective	3
	MART 222 Digital Animation I	3
	MART 322 Digital Animation II	3
	MART 260 Game Design Concepts	3
	ARTH 3xx Art History elective	3
	MART 352 Clay Modeling	3
	MART 350 Story Boarding	3
	MART 365 Prop and Character Design	3
	THEA 516 Scriptwriting I	3
	MART 357 Rigging	3
	MART 232 Intro to Game Design	3
	MART 332 Intermediate Game Design	3
	MART 432 Advanced Game Design	3
<b>Electives</b>	Electives chosen with an advisor	15
<b>Research</b>		
<b>Practica</b>		
	<hr/>	
	<i>Total</i>	<i>120</i>

**CURRICULUM OUTLINE  
NEW DEGREE PROPOSALS  
Kansas Board of Regents**

- I. Identify the new degree:** Bachelor of Applied Arts in Media Arts–Filmmaking Track  
**II. Provide courses required for each student in the major:**

<b>Core Courses</b>	<i>Course Name &amp; Number</i>	<i>Cr. Hrs.</i>
	ENG 101 College English I	3
	ENG 102 College English II	3
	MATH 111 College Algebra	3
	COMM 111 Public Speaking	3
	Gen Ed Humanities course	3
	Gen Ed Social/Behavioral Sciences course	3
	Gen Ed Natural Sciences/Mathematics course	3
	Gen Ed additional Introductory course	3
	Gen Ed Further Studies course	3
	Gen Ed Advanced Issues & Perspectives course	3
	MART 101 Intro to Media Arts	3
	MART 102 Hist. of Motion, Sound & Gaming	3
	COMM 306 Basic Digital Editing	3
	COMM 406 Audio Recording	3
	MART 390 Professional Practices (3x, 1 cr.)	3
	MART 299 Media Arts Practicum I	1
	MART 399 Media Arts Practicum II	1
	MART 499 Media Arts Practicum III	1
	THEA xxx Theatre Tech (3 choices)	3
	THEA 228 Script Analysis	3
	COMM 512 Principles of Video	3
	ARTF 145 Foundation Drawing	3
	THEA 390 Acting for the Camera	3
	COMM 506 Sound for Film	3
	MART 325 Editing for Film	3
	COMM 321 Critical Studies in Film	3
	MART 359 Cinematography	3
	MART 353 Video Storytelling	3
	THEA 345 Stage Lighting 1	3
	MART 350 Story Boarding	3
	MART 351 Principles of Video Production	3
	THEA 516 Scriptwriting 1	3
	THEA 517 Scriptwriting 2	3
	MART 424 Compositing and VFX	3
	ENGL 307 Narrative in Literature and Film	3
	XXXX xxx Additional Film Studies Course	3
<b>Electives</b>	Electives chosen with an advisor	15
<b>Research</b>	_____	_____
<b>Practica</b>	_____	_____
	<i>Total</i>	<i>120</i>

**CURRICULUM OUTLINE  
NEW DEGREE PROPOSALS  
Kansas Board of Regents**

- I. Identify the new degree:** Bachelor of Applied Arts in Media Arts–Audio Production  
**II. Provide courses required for each student in the major:**

<b>Core Courses</b>	<i>Course Name &amp; Number</i>	<i>Cr. Hrs.</i>
	ENG 101 College English I	3
	ENG 102 College English II	3
	MATH 111 College Algebra	3
	COMM 111 Public Speaking	3
	Gen Ed Humanities course	3
	Gen Ed Social/Behavioral Sciences course	3
	Gen Ed Natural Sciences/Mathematics course	3
	Gen Ed additional Introductory course	3
	Gen Ed Further Studies course	3
	Gen Ed Advanced Issues & Perspectives course	3
	MART 101 Intro to Media Arts	3
	MART 102 Hist. of Motion, Sound & Gaming	3
	COMM 306 Basic Digital Editing	3
	COMM 406 Audio Recording	3
	MART 390 Professional Practices (3x, 1 cr.)	3
	MART 299 Media Arts Practicum I	1
	MART 399 Media Arts Practicum II	1
	MART 499 Media Arts Practicum III	1
	MUSC 127 Theory 1	2
	MUSC 128 Theory 2	2
	MUSC 240 Jazz Theory 3	2
	MUSC 242 Jazz Theory 4	2
	MUSC 129 Aural Skills 1	2
	MUSC 130 Aural Skills 2	2
	MUSC 241 Jazz Aural Skills 3	2
	MUSC 243 Jazz Aural Skills 4	2
	MUSP xxx Ensemble (4x, 1 cr.)	4
	MUSA 232 Lessons (4x, 2 cr.)	8
	MUSC 259 Introduction to Music Comp	1
	MART 110 Intro to Music Tech & Industry	2
	MART 111 Intro to Music Business	1
	MUSC 113 Music Literature	3
	MUSC 531 Intro to Elec. Music (MAX/MSP)	2
	MUSC 641 Orchestration	2
	MART 540 Adv. Editing and Mastering	3
	MART 570 Electronic Music Production	2
	MART 571 Live Sound Design	3
	COMM 506 Sound for Film	3
	MART 575 Seminar in Music Technology	3
	MART 481 Internship	1
<b>Electives</b>	Electives chosen with an advisor	15
<b>Research</b>		
<b>Practica</b>		
	<hr/> <i>Total</i>	<hr/> <i>120</i>

**IMPLEMENTATION YEAR**  
Fiscal Summary for Proposed Academic Programs

Institution: Wichita State University      Proposed Program: Bachelor of Applied Arts

Part I. Anticipated Enrollment	Implementation Year		Year 2		Year 3	
	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
A. Full-time, Part-time Headcount:	25 @24SCH	10 @12SCH	45 @24SCH	20 @12SCH	60 @24 SCH	30 @12SCH
B. Total SCH taken by all students in program	600 SCH + 120 SCH = 720 total SCH		1,080 SCH + 240 SCH = 1,320 total SCH		1,440 SCH + 360 SCH = 1,800 total SCH	
<b>Part II. Program Cost Projection</b>						
A. In <u>implementation</u> year one, list all identifiable General Use costs to the academic unit(s) and how they will be funded. In subsequent years, please include only the additional amount budgeted.						
	Implementation Year		Year 2		Year 3	
<u>Equipment</u>	Approx. \$25,000		Approx. \$25,000		Approx. \$25,000	
<u>Base Budget</u>						
Salaries	\$99,880 <sup>2</sup>		\$108,600 <sup>3</sup>		\$117,320 <sup>4</sup>	
OOE	\$16,700 <sup>5</sup>		\$16,700		\$16,700	
Total	\$116,580		\$125,300		\$134,020	

\*Includes fringe benefits

**Explain:**

<sup>1</sup> Wichita State University has entered into an agreement with CoCo Properties LLC to lease facilities (35,000 sq.ft.) and equipment at an annual fee of \$274,040 – of which, facility leasing is approx. \$3.50/per sq. ft. (\$122,500) with the remainder to cover utilities and leasing of all equipment (\$151,540). Utilities for 35,000 sq. ft. is estimated at over \$125,000 annually. Estimate on annual equipment leasing is, therefore, approx. \$25,000.

<sup>2</sup> Salaries include: Full-time Administrator @ \$40,000 (Benefits @ 25% - \$10,000), plus 8 sections for instructors @ \$32,000 (Benefits @ 9% - \$2,880), plus \$15,000 for work-study/hourly student staff.

<sup>3</sup> Salaries include: Full-time Administrator @ \$40,000 (Benefits @ 25% - \$10,000), plus 10 sections for instructors @ \$40,000 (Benefits @ 9% - \$3,600), plus \$15,000 for work-study/hourly student staff.

<sup>4</sup> Salaries include: Full-time Administrator @ \$40,000 (Benefits @ 25% - \$10,000), plus 12 sections for instructors @ \$48,000 (Benefits @ 9% - \$4,320), plus \$15,000 for work-study/hourly student staff.

<sup>5</sup> OOE includes: Instructional Materials, Miscellaneous Supplies, Office Supplies, Software, and Advertising.

Revised: September, 2003

Approved: \_\_\_\_\_

## New Degree Request – Kansas State University

<u>Criteria</u>	<u>Program Summary</u>
1. Program Identification	Bachelor of Science in Biomedical Engineering (BME) CIP Code: 14.0501
2. Academic Unit	College of Engineering, Department of Electrical and Computer Engineering
3. Program Description	<p>This undergraduate degree program is for students interested in the biomedical engineering industry, a field of study focused on improving human and animal health through use of knowledge in engineering, medicine, biology, and computer science. Students develop skills to analyze and design cyber-physical systems, plan and create software programs and hardware equipment to process data, and apply content to specific areas of scientific emphases.</p> <p>This program will be housed in the Engineering Building on the KSU campus. Approval is requested for Fall 2017 so that recruitment may occur during the 2017-2018 academic year; 2018-2019 will be the first year of implementation.</p>
4. Demand/Need for the Program	<p>The KSU College of Engineering Office of Recruitment notes that biomedical engineering has, in recent years, been the most requested degree program by prospective students and their families. According to the Bureau of Labor Statistics, the job outlook for biomedical engineers is projected to grow by over 20 percent from 2014 to 2024.<sup>1</sup> In the Hanover study, growth 13.2 percent is projected in the period of 2012 to 2022.<sup>2</sup> In comparison to all fifty states, biomedical engineers working in Kansas have the highest annual average wage of \$107,970.<sup>1</sup> Biomedical engineers often work in manufacturing, hospitals, research and entrepreneurship facilities, universities, and governmental agencies. Biomedical companies in the Midwest include those considered part of the Midwest Animal Health Corridor. The National Bio and Agro-defense Facility, KSU’s veterinary medical and agricultural programs, and the Johnson Cancer Research Center will all likely provide unique training opportunities for KSU BME students.</p>
5. Comparative /Locational Advantage	<p>The only similar program in the Kansas Regents system is the existing undergraduate BME program at Wichita State University. Their 133-credit-hour program’s curricular emphases are in the areas of sensing, biomechanics, and biomaterials, as evidenced by their published online listings of undergraduate research design projects. The two focused concentration areas of the KSU BME degree (biomedical sensors and devices; biomedical computation) exhibit minimal overlap with the WSU program. The focus on these two areas will promote skill development toward the design of hardware- and software-based medical devices and systems, including requisite skills in biosignal and image processing in both the time and frequency domains. These courses have foundations in existing courses and research programs managed by KSU engineering faculty. The KSU ECE Department supports a Bioengineering Option within Electrical Engineering, and the department already offers several biomedical courses. As noted above, the proposed BME program at KSU offers two initial areas of emphasis that relate thematically to “bioelectronics” or</p>

	<p>“bioinstrumentation.” Hanover<sup>2</sup> identified 10 institutions in the Plains and Great Lakes regions offering a bachelor’s degree program in biomedical engineering with a bioelectronics or bioinstrumentation concentration. The programs that are physically closest to Kansas are those at the University of Minnesota - Twin Cities and the Rose-Hulman Institute of Technology in Indiana. Three biomedical B.S degree programs exist in Missouri, and one resides in Oklahoma, but they all have very little overlap with this proposed program, especially from a biomedical devices and computation viewpoint.</p>
<p>6. Curriculum</p>	<p>This 133 semester credit hour curriculum consists of 1) 37 credits of biomedical engineering core courses; 2) 52 credits of math and science core courses; 3) 8 hours in a communication core; 4) 9 hours in a humanities and social sciences core; and 5) 27 hours in technical electives for one of two areas of emphasis: <i>Biomedical Sensors and Devices</i>, and <i>Biomedical Computation</i>. As with other BME programs, this program is structured to support a potential growth of concentrations through individualized selection of technical electives.</p>
<p>7. Faculty Profile</p>	<p>The initial faculty to support the B.S. program in Biomedical Engineering consists of four core ECE faculty members, two new faculty dedicated to the BME curriculum, and affiliate faculty from ECE and other departments at KSU, where the latter are potential collaborators who can engage in course development, project design, and undergraduate research. The four key faculty members, who have doctoral degrees relevant to Biomedical Engineering and maintain active research programs in this field, are:</p> <ul style="list-style-type: none"> <li>• Dr. Steve Warren, lead faculty member of the biomedical group; taught biomedical classes at KSU since 1999; director of the Medical Component Design Laboratory</li> <li>• Dr. Punit Prakash, assistant professor since 2012; director of the Biomedical Computing and Devices Lab</li> <li>• David Thompson, assistant professor since 2014; conducts research on brain-computer interfaces and medical devices</li> <li>• Caterina Scoglio, LeRoy and Aileen Paslay Professor, director of the Network Science and Engineering Group</li> </ul> <p>One instructor will be hired for the first year (AY 2018-19). Assuming enrollment meets expectations, a tenure-track faculty member will be hired the following year. At least nine other affiliated faculty in the College of Engineering will be associated with this program, each of whom will either teach required courses or lead activities such as undergraduate research.</p>
<p>8. Student Profile</p>	<p>Students who enter this program are anticipated to have strong interests in modern life sciences, supplemented with a fundamental base in math and physics. These may be students who (a) might otherwise not consider engineering as their main discipline; (b) desire to enroll in a KSU engineering degree program but whose interests do not resonate well with existing curricula; (c) would contemplate attending an out-of-state university in order to obtain a biomedical engineering degree; and/or (d) seek a pre-medicine curriculum with an engineering emphasis. Admission criteria will be consistent with current KSU College of Engineering criteria. In examining enrollment demographics of other BME programs across the</p>

	U.S., we expect a diverse student population, with significant enrollment from women and underrepresented populations.
9. Academic Support	<p>Advising for this program will follow the ECE Department advising model, which utilizes a general ECE advisor for students in their first two years. At the beginning of the third academic year, each student is assigned a BME faculty advisor for the remainder of the curriculum. Administrative support will be offered by current ECE staff.</p> <p>Additional academic resources are available to students through the KSU's library system and student services.</p>
10. Facilities and Equipment	<p>This program will require one teaching laboratory that will be made available via more effective scheduling of an existing ECE teaching laboratory. The 640-square-foot space is already equipped with benches that have black epoxy resin benchtops which are resistant to most chemicals, moisture, impact, and heat.</p> <p>Students enrolled in engineering courses are assessed an equipment fee that will support the purchase and maintenance of hardware and software needed for hands-on BME laboratories and design projects in that space; no additional funds beyond the equipment fee are anticipated. Students in the BME program will have access to all department and college general purpose computer laboratories.</p>
11. Program Review, Assessment, Accreditation	<p>The biomedical engineering program will seek ABET accreditation after the first graduates of the program have completed their degrees. The standard ABET process allows accreditation to be granted retroactively -- effective the year before the first degrees are granted. Assuming the first graduates complete their degrees in the year 2022, the initial accreditation would be sought for the 2021-2022 academic year. An assessment plan for measuring ABET student outcomes include evaluations of tests, projects, senior design experiences, and surveys.</p> <p>This program will be subject to an additional assessment processes from the Higher Learning Commission and the Kansas Board of Regents.</p>
12. Costs, Financing	<p>For the implementation of this program, salaries and fringe benefits total \$176,422. This includes \$38,965 of current faculty salaries, \$75,000 for new hires, \$19,500 for graduate assistants, \$15,000 for academic advisors, and \$27,957 for administration. The \$16,000 operating costs reflects one-third of the current monies allocated for the department's operating costs. Overall costs are \$192,422 for the implementation year (\$75,000 new cost), \$307,263 for year two (\$110,500 new cost), and \$393,322 for year three (\$112,680 new cost).</p> <p>Existing faculty and staff will also have instructional, academic support, and administrative FTEs associated with this program, but these will not be new costs. Financing for salaries will be provided by the College of Engineering, while startup costs will be shared equally by the KSU Department of Electrical &amp; Computer Engineering, the KSU College of Engineering, and the KSU Vice-President for Research.</p>

<sup>1</sup>Bureau of Labor Statistics. (2015, May). Retrieved from: <https://www.bls.gov/oes/current/oes172031.htm#nat>

<sup>2</sup> Hanover Research. (2016). Retrieved from: [http://www.hanoverresearch.com/wp-content/uploads/2016/05/Higher-Ed\\_IndustryReport1.pdf](http://www.hanoverresearch.com/wp-content/uploads/2016/05/Higher-Ed_IndustryReport1.pdf)

**CURRICULUM OUTLINE  
NEW DEGREE PROPOSALS**

**Kansas Board of Regents**

**I. Identify the new degree: B.S in Biomedical Engineering**

**II. Provide courses required for each student in the major:**

**Math and Science Core ..... 52 Semester Credits**

**Communication Core ..... 8 Semester Credits**

**Humanities and Social Science Core ... 9 Semester Credits**

**Biomedical Engineering Core ..... 37 Semester Credits**

**Technical Electives ..... 27 Semester Credits**

***Total ..... 133 Semester Credits***

<b>BIOMEDICAL ENGINEERING CORE</b>		<b>Credits</b>	<b>Semester</b>
BME 001	New Student Assembly	0	F
BME 200	Introduction to Biomedical Engineering	3	F
BME 430	Biomaterials	3	F
BME 451	Biomechanical Engineering	3	S
BME 490/491	Undergraduate BME Design Experience I/II	3	FS
BME 575	Clinical Systems Engineering	3	S
BME 590/591	Senior Design Experience I/II	6	FS
BME 674	Medical Imaging	3	S
CIS 200	Programming Fundamentals	4	FS
ECE 512	Linear Systems	3	FS
ECE 540	Applied Scientific Computing for Engineers	3	FS
ECE 772/3	Theory & Techniques of Bioinstrumentation Lecture/Lab	3	F
<b>Sub-Total Credit Hours</b>		<b>37</b>	

<b>OPTION I: AREA OF CONCENTRATION: BIOMEDICAL SENSORS &amp; DEVICES</b>		<b>Credits</b>	<b>Semester</b>
ECE 210	Introduction to Electrical Engineering	3	FS
ECE 241	Introduction to Computer Engineering	3	FS
ECE 431	Microcontrollers	3	FS
ECE 410	Circuit Theory I	3	FS
ECE 511	Circuit Theory II	3	FS
ECE 647	Digital Filtering	3	F
	Additional Technical Electives (below)	9	
<b>Sub-Total Credit Hours</b>		<b>27</b>	

**Illustrative Technical Electives...Need 9 credits from below**

ECE 690	Neural Interfacing	3	S
ECE 690	Thermal Therapy and Ablation	3	S
ME 615	Applications in Mechatronics	3	S
MATH 615	Introduction to Digital Image Processing	3	S
BAE 620	Biotechnology and Biosensors	3	F
ECE 557	Electromagnetic Theory I	4	FS
ECE 771	Control Theory Applied to Bioengineering	3	S
PHYS 651	Introduction to Optics	4	F
PHYS 652	Applied Optics and Optical Measurements	3	S



<b>OPTION 2: AREA OF EMPHASIS: BIOMEDICAL COMPUTATION</b>		<b>Credit</b>	<b>Semester</b>
		<b>s</b>	
ECE 241	Introduction to Computer Engineering	3	FS
CIS 300	Data and Program Structures	3	FS
ECE 431	Microcontrollers	3	FS
ECE 519	Electric Circuits and Controls	4	FSSu
CIS 501	Software Architecture and Design	3	FS
ECE 670	Engineering Applications of Machine Intelligence	3	S
	Additional Technical Electives (below)	8	
<b>Sub-Total Credit Hours</b>		<b>27</b>	
<b><u>Illustrative Technical Electives...need 8 credits from below:</u></b>			
MATH 510	Discrete Mathematics	3	FSSu
MATH 551	Applied Matrix Theory	3	FSSu
MATH 615	Introduction to Digital Image Processing	3	S
ECE 647	Digital Filtering	3	F
CIS 734	Introduction to Genomics and Bioinformatics	4	S
ECE 690	Neural Interfacing	3	S
ECE 648	Multimedia Compression	3	S
MATH 655	Elementary Numerical Analysis I	3	FS
CIS 544	Advanced Software Design and Development	3	SS

**IMPLEMENTATION YEAR: FY 2018–2019**

**Fiscal Summary for Proposed Academic Programs**

Institution: Kansas State University

Proposed Program: Bachelor of Science in Biomedical Engineering, CIP Code 14.0501

<b>Part I. Anticipated Enrollment</b>						
	<b>Implementation Year</b>		<b>Year 2</b>		<b>Year 3</b>	
	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
A. Full-time, Part-time Headcount:	30		60		90	
B. Total SCH taken by all students in program	900		1,800		2,700	
<b>Part II. Program Cost Projection</b>						
A. In <u>implementation</u> year one, list all identifiable General Use costs to the academic unit(s) and how they will be funded. In subsequent years, please include only the additional amount budgeted.						
Implementation Year			Year 2		Year 3	
<u>Current:</u>						
<u>Salaries</u>						
Faculty....	\$38,965		\$ 77,277		\$138,847	
Advisors...	\$15,000		\$ 15,300		\$ 15,600	
Grad Assts...	\$19,500		\$ 58,500		\$ 78,000	
Admin...	\$27,957		\$ 28,516		\$ 29,075	
<u>New:</u>						
<u>Salaries</u>						
Faculty ...	\$75,000		\$110,500		\$112,680	
OOE	\$16,000		\$16,000		\$16,000	
Total (New \$)	\$192,422 (\$75,000)		\$306,093 (\$110,500)		\$390,202 (\$112,680)	

Notes:

1. For all tenure-track faculty, the salary portions for non-instructional activities such as research and service are not included.
2. New hires include an instructor at 1.0 FTE starting in the initial year and a new tenure-track assistant professor at 0.4 FTE starting in the second year.
3. Graduate assistants are transitioned annually into the program as the courses that require their assistance are offered. Year 1 reflects one graduate student on a 0.5 FTE appointment during the academic calendar year. Year 3 reflects a 2.0 FTE cost – four graduate assistants, each on a 0.5 FTE appointment during the academic calendar year.
4. Academic support refers to 25% of the full-time ECE department academic advisor's time – a 0.25 FTE commitment.
5. Administration refers to a 0.25 FTE commitment on behalf of Dr. Warren, who will serve as the program coordinator and provide administrative support.
6. Operating expenses reflect one-third of operating monies allotted to the Department.

Indicate source and amount of funds if other than internal reallocation:

Financing for salaries will be provided by the College of Engineering. Associated startup costs for new faculty will be shared equally by the KSU Department of Electrical and Computer Engineering, the KSU College of Engineering, and the KSU Vice-President for Research.

March 24, 2017

TO: April Mason  
Provost and Senior Vice President  
106 Anderson Hall

RE: Proposal for COCAO

FROM: Candace LaBerge  
Office of Faculty Senate

Please forward the following proposal to COCAO for their approval:

1. College of Arts and Sciences:

*Dean of Arts and Sciences*      Name change:

FROM: ~~Clinical Laboratory Science (Medical Technology) B.A./B.S.~~  
TO: Medical Laboratory Science B.A./B.S.

This proposal was approved by the College of Arts and Sciences and received approval by Faculty Senate on March 14, 2017.

Thank you for your assistance with this proposal.

14 March 2017

Senior Vice Provost Stuart Day  
University of Kansas  
*Via email*

Dear Stuart,

I am writing in support of the Department of French and Italian's request to change its name to the Department of French, Francophone, and Italian Studies.

As indicated in their attached proposal, this change has the department faculty's collective support as well as that of the Director of the School of Languages, Literature, and Culture and Associate Dean for the Humanities. The change represents an evolution in the field that encompasses the larger French-speaking population of the globe. It also reflects the growing expertise within the department in such areas as Haiti and Africa.

The proposal has my strongest positive endorsement.

Sincerely,



Carl Lejuez, Dean  
College of Liberal Arts & Sciences

March 6, 2017

TO: Council of Chief Academic Officers  
c/o Max Fridell, Director of Academic Affairs

FROM: Jeff Briggs, Interim Provost and VPAA, FHSU

RE: Request degree program change for Bachelor of Science in Geography

The Department of Geosciences at Fort Hays State University requests to change the name of its current applied degree Bachelor of Science in Geography (505-2206) to a Bachelor of Science in Geosciences. Two concentrations are requested under this new degree title: one in Geography and one in Geology.

This request is being made to COCAO as a result of the program review process in which two current bachelor's degrees (Bachelor of Science with a major in Geology [505-1914] and Bachelor of Science with a major in Geosciences [505-2015]) will be discontinued.

The proposed changes to the degree are designed to improve student success. The previous degree options were numerous, yet overly specific, and they discouraged students from changing to Geosciences majors as it often required extra semesters when courses they had taken previously would not count toward the rigid degree requirements. Further, in an interdisciplinary department there was very little incentive for geology students to take GIS or geography courses and vice versa.

The goal of the new degree is to be flexible, simplified, and unified. The new degree will merge all previous options into a single B.S. in Geosciences, with options to focus on geology or geography and to populate the curriculum with numerous discipline-related electives. Students, with the help of advisors, will now be able to tailor their curriculum to meet their goals while always receiving the fundamental/core courses of the Geosciences disciplines.

March 14, 2017

TO: Council of Chief Academic Officers  
c/o Max Fridell, Director of Academic Affairs

FROM: Jeff Briggs, Interim Provost and VPAA, FHSU

RE: Request degree program name change for Bachelor of Science in Justice Studies and  
Request major change within an approved degree - Bachelor of Arts with major in Justice Studies

The Department of Criminal Justice at Fort Hays State University requests to change the name of its current applied degree Bachelor of Science in Justice Studies (121-2209) to a Bachelor of Science in Criminal Justice. The Department also requests to change the major of the Bachelor of Arts degree with a major in Justice Studies (121-2209) to a Bachelor of Arts degree with a major in Criminal Justice.

The Department of Criminal Justice was formed in the early 2000s as the Department of Justice Studies by separating from the Department of Political Science. In 2013, through the process of university re-engineering, the department name changed to the Department of Criminal Justice. The department now requests that the two degrees offered at the baccalaureate level reflect the name of the department and recognized discipline (criminal justice) in order to more accurately reflect the learning outcomes associated with these degree programs and employment value propositions for graduates of these programs. While degrees in Justice Studies initially served the FHSU student population well, the recognized degree in the field is a BA/BS in Criminal Justice. A degree and major change to Criminal Justice will afford our students the name recognition to achieve better placement in the field as well as allow the department to work towards accreditation through our national organization - the Academy of Criminal Justice Sciences (ACJS).



# Pittsburg State University

OFFICE OF THE PROVOST

March 29, 2017

Dr. Jean Redeker  
Vice President for Academic Affairs  
Kansas Board of Regents  
1000 SW Jackson Street, Suite 520  
Topeka, KS 66612-1368

Dear Dr. Redeker:

Pittsburg State University has changed the names of the following emphases within existing degrees:

BST – Automotive Technology (CIP: 15.0803)  
Emphasis in Automotive Service Management and Marketing to  
Dealership and Corporate Transportation Management

BST Automotive Technology (CIP: 15.0803)  
Emphasis in Automotive Manufacturing Management to  
Manufacturing Management in the Transportation Industry

BST Automotive Technology (CIP: 15.0803)  
Emphasis in Automotive Collision Repair and Insurance Management to  
Collision Repair and Insurance Management

We also wish to change the name of an existing degree from:

MS Counseling (CIP: 13.1101)  
with a major in School and Clinical Mental Health Counseling to MS in School Counseling

Sincerely,

A handwritten signature in cursive script, appearing to read "Lynette J. Olson".

Lynette J. Olson, PhD, CFLE  
Provost and Vice President for Academic Affairs

tp