

**KANSAS BOARD OF REGENTS
ACADEMIC AFFAIRS STANDING COMMITTEE**

**MEETING AGENDA
Wednesday, February 17, 2021
10:15 a.m.**

The Board Academic Affairs Standing Committee (BAASC) will meet by video conference. Meeting information will be sent to participants via email, or you may contact arobinson@ksbor.org.

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| I. Call to Order | Regent Kiblinger | |
| A. Roll Call | | |
| B. Approve minutes from February 2, 2021 video conference | | p. 3 |
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| II. Other Matters | | |
| A. Kansas Health Science Center Update | Tiffany Mason | |
| B. Low Enrollment Program Reviews | Daniel Archer | |
| 1. ESU | David Cordle | p. 6 |
| 2. PSU | Howard Smith | p. 38 |
| C. General Education (GE) Working Group Update | Daniel Archer | |
| D. Direct Support Professionals (DSP) Update | Regent Schmidt | |
| E. Coordinating Council Update | Regent Kiblinger | |
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| III. Suggested Agenda Items for March 2nd Conference Call | | |
| A. New Program Approval | | |
| B. Receive SARA Report | | |
| C. Review University Qualified Admission Policies | | |
| D. Update to Board Qualified Admission Policy | | |
| E. Discuss Potential Follow-Up for New Academic Program Reviewing | | |
| F. Discuss Proposed Revisions to the New Academic Units and Academic Programs policy | | |
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| IV. Adjournment | | |

Date Reminders:

- Low Enrollment Program Review Report Presentations:
 - February 17th – KU & FHSU present to Board
 - March 17th – PSU & ESU present to Board

Board Academic Affairs Standing Committee

Four Regents serve on the Board Academic Affairs Standing Committee (BAASC), established in 2002. The Regents are appointed annually by the Chair and approved by the Board. BAASC meets by conference call approximately two weeks prior to each Board meeting. The Committee also meets in person the morning of the first day of the monthly Board meeting. Membership includes:

- Shelly Kiblinger, Chair
- Ann Brandau-Murguia
- Helen Van Etten
- Allen Schmidt

**Board Academic Affairs Standing Committee
AY 2021 Meeting Schedule**

Meeting Dates	Time	Location	Institution Materials Due
August 25, 2020	11:00 am	Conference Call	July 30, 2020
September 9, 2020	1:30 pm	Topeka	August 19, 2020
October 14, 2020	TBD	KU *CANCELED*	September 25, 2020
November 3, 2020	11:00 am	Conference Call	October 15, 2020
November 18, 2020	10:30 am	Topeka *Originally 10:15 at ESU	October 28, 2020
December 1, 2020	11:00 am	Conference Call	November 12, 2020
December 16, 2020	10:15 am	Virtual Meeting *Originally in Topeka	November 24, 2020
January 5, 2021	11:00 am	Conference Call *CANCELED*	December 17, 2020
January 20, 2021	10:15 am	Virtual Meeting	December 30, 2020
February 2, 2021	11:00 am	Conference Call	January 14, 2021
February 17, 2021	10:15 am	Virtual Meeting	January 27, 2021
March 2, 2021	11:00 am	Conference Call	February 11, 2021
March 17, 2021	10:15 am	Topeka	February 24, 2021
March 30, 2021	11:00 am	Conference Call	March 11, 2021
April 14, 2021	10:15 am	FHSU	March 24, 2021
May 4, 2021	11:00 am	Conference Call	April 15, 2021
May 19, 2021	10:15 am	Topeka	April 28, 2021
June 1, 2021	11:00 am	Conference Call	May 13, 2021

**Kansas Board of Regents
Board Academic Affairs Standing Committee**

**MINUTES
Tuesday, February 2, 2021**

The February 2, 2021 meeting of the Board Academic Affairs Standing Committee (BAASC) of the Kansas Board of Regents was called to order by Regent Kiblinger at 11:00 a.m. The meeting was held by Zoom.

In Attendance:

Members:	Regent Kiblinger, Chair Regent Brandau-Murguia	Regent Schmidt	Regent Van Etten
Staff:	Daniel Archer Amy Robinson Natalie Yoza Julene Miller	Karla Wiscombe Sam Christy-Dangermond April Henry Cindy Farrier	Tara Lebar Diane Linderman Scott Smathers
Others:	Adam Borth, Fort Scott CC Ben Schears, NWK Tech David Cordle, ESU Dennis Rittle, Cowley CC Heather Morgan, KACCT Jean Redeker, KU Kim Morse, Washburn Michael Calvert, Pratt CC Monette DePew, Pratt CC Robert Klein, KUMC Sarah Leftwich, WSU Tech Steve Loewen, FHTC Clayton Tatro, Dodge City CC	Aron Potter, Coffeyville CC Brian Niehoff, K-State Deborah Fox, Highland CC Erin Shaw, Highland CC Howard Smith, PSU Jill Arensdorf, FHSU Linnea GlenMaye, ESU Matt Schuette, KUMC Michelle Schoon, Cowley CC Sandy Valenti, ESU Shirley Lefever, WSU Harold Nolte, Dodge City CC Tom Roberts, Cloud County CC	Amber Knoettgen, Cloud County CC Cordell Jordan, Independence CC Deborah Phelps, Cowley CC Greg Belcher, PSU Jerry Pope, KCKCC Kim Zant, Cloud County CC Lori Winningham, Butler CC Mark Allen, Independence CC Mickey McCloud, JCCC Sarah Robb, Neosho County CC Sharon Kibbe, Cloud County CC Jane Holwerda, Dodge City CC

Regent Kiblinger welcomed everyone. Roll call was taken for members and presenters.

Approval of Minutes

Regent Schmidt moved to approve the January 20, 2021 meeting minutes, and Regent Brandau-Murguia seconded the motion. With no corrections, the motion passed.

Consent Item

David Cordle presented the ESU request for approval for a Bachelor of Arts in Interdisciplinary Entrepreneurship. David noted the program's purpose is to prepare students to launch start-up businesses. Though the program is offered by the School of Business, it requires work in a second academic area. Students in Humanities and Art programs who want to be prepared to start a business based on their area of study will especially benefit. Regent Schmidt mentioned that ESU might want to look into The Entrepreneurial Bootcamp for Veterans with Disabilities (EBV). Regent Schmidt mentioned veterans can apply for this program, and he believes it could tie into ESU's program very well. Regent Kiblinger noted the BA program looks very efficient and aligns with efforts the Governor's Council on Education is discussing to promote industry and innovation in Kansas.

Regent Schmidt moved to place the Bachelor of Arts in Interdisciplinary Entrepreneurship on the Board's consent agenda, and Regent Van Etten seconded the motion. With no further discussion or questions, the motion passed unanimously through a roll call vote.

Discussion Item

Greg Belcher, Director of the Kansas Center for Career and Technical Education (CTE), presented the PSU request for approval for an Associate of Applied Science in Career & Technical Education. Greg stated the associate degree is a step towards a bachelor's degree and gives working students, most of whom attend part-time, a shorter degree option. Greg also stated this is a joint effort between community and technical colleges, and PSU. The technical and community colleges deliver the technical courses and general education courses, which will tie in with the PSU Teacher Education program's pedagogical courses. Though it is unusual for a university to offer an associate level degree, Greg indicated he is unaware of any technical or community college who can offer the teacher education component. PSU has received support for this program from many technical and community colleges in Kansas. As part of evaluating this proposal, technical and community college feedback was provided in the agenda materials.

Regent Van Etten moved to place the Associate of Applied Science in Career & Technical Education on the Board's discussion agenda, and Regent Brandau-Murguia seconded the motion. With no further discussion or questions, the motion passed unanimously through a roll call vote.

AY 2019 Performance Reports

Sam Christy-Dangermond presented seven AY 2019 Performance Reports for review. Reports are typically measured from six metrics with a goal to meet or exceed the baseline of each metric. The Committee was presented performance reports from seven institutions that qualify for 90% of any new legislative funding in July 2021 based on their AY 2019 Performance Reports, as they met or exceeded the baseline on three of their six indicators. Individuals from the following seven institutions, as allowed by policy, are requesting to move to the next higher funding tier of 100% and have provided information on the indicator they are using for the request, any alternative evaluation criteria being used, and their justification for moving to the 100% tier level:

1. Emporia State University – David Cordle
2. Cloud County Community College – Amber Knoettgen and Kim Zant
3. Cowley Community College – Michelle Schoon and Dennis Rittle
4. Dodge City Community College – Jane Holwerda, Clayton Tatro, and Harold Nolte
5. Highland Community College – Erin Shaw
6. Independence Community College – Mark Allen
7. Northwest Kansas Technical College – Ben Schears

Regent Schmidt asked ESU to address decreases in their #4 indicator, *Enrollment growth strategies for traditional students ages 24 years or younger*. David Cordle responded it is an uphill struggle to maintain these students. As demographics have changed, they are looking for opportunities at the graduate level and online programs to offset this decline.

Regent Kiblinger asked Cloud CC if not filling their nursing instructor position impacted more than their #6 indicator. Amber Knoettgen responded she does think it had an impact on the #3 indicator, but that a decline in enrollment is a contributing factor for the #2 indicator, *Increase number of certificates and degrees awarded*. Additionally, their baseline for this indicator was skewed by an anomaly in reporting by the previous administration.

Regent Kiblinger asked Highland CC about their #5 indicator, *Increase the first-attempt pass rate for NCLEX-RN (certification test for registered nurses) for program completers*, high pass rates in 2017 and 2018, and what contributed to their decrease in 2019. Erin Shaw responded that contributing factors were outlined in their materials, and she focused on their improvement plan, which includes more intrusive academic counseling,

additional prerequisite content reviews, developing a common debriefing model, increasing faculty professional development, formalizing student conferences and study groups, and using their existing ATI tools. Regent Schmidt noted he would like to receive an update on this indicator before their next performance review due to its significance. Erin noted the 2020 test results were delayed due to COVID, but she will check with the Director of Nursing to see when they should expect them. Regent Kiblinger asked that they give any updates to Daniel, who can bring this to the Committee.

The Committee discussed ways to obtain out-of-state employment data to assist with performance agreements. Cindy Farrier noted that we have a Kansas-Missouri agreement; however, obtaining data from other states places additional risk to the organization due to ensuring the data's protection. She noted there is a new national interchange system where we can obtain data from all states, but the data can only be used for Federal reporting purposes. Cindy stated they could look into potentially adopting Federal reporting indicators for a performance agreement metric, which would allow access to the data.

Regent Brandau-Murguia moved to approve all seven AY19 Performance Reports as presented to the next higher funding tier of 100%, and Regent Schmidt seconded. With no further discussion or questions, the motion passed unanimously through a roll call vote.

Coordinating Council Update

Regent Kiblinger provided an update from the Coordinating Council. The Council received a report from Dr. Lane, Chair of the Governor's Council on Education. Dr. Lane shared information on a recommendation they will be making soon to establish an Advantage Kansas Coordinating Council. They recommend the Coordinating Council take on this role, and they have come up with some ambitious goals and strategies to close economic gaps in Kansas. Initiatives this new group may work on include JumpStart Kansas, Talent Ready Kansas, and Opportunity Kansas. The key players to move these initiatives forward are KBOR, KSDE, and the Kansas Chamber of Commerce. The Coordinating Council is already comprised of these agencies, so it's a natural fit. The next Coordinating Council meeting is May 24, but more frequent meetings may occur with this new direction.

The Coordinating Council was briefed on FAFSA completion initiatives. Materials are being developed to train K-12 individuals to disseminate information to parents and students to complete their FAFSA. The Council received an update on Individual Plans of Study (IPS) from the IPS Coordinating Work Group. The group is currently working on a checklist of required activities for students who plan to attend technical college, community college, or a university. A checklist will ensure a clear timeline of the steps needed to go on to specific higher education institutions. The Council also received an update from the Coordinating Advisory Committee on the work currently being done. Regent Kiblinger stated she is pleased with the progress, and things are coming together that are beneficial for our Kansas students and economy.

Adjournment

The next BAASC meeting is February 17, 2021, at 10:15 a.m.

Regent Brandau-Murguia moved to adjourn the meeting, and Regent Schmidt seconded the motion. With no further discussion, the meeting adjourned at 12:32 p.m.

ESU Strategic Program Alignment Reviews

Business and Innovation Teacher Education

Average number of majors: 8

Average number of graduates: 4

Faculty Profile

Number of faculty dedicated solely to the program: None. The Business Education (BSBE) program, housed in the Department of Business Administration, requires only two courses of its own: BE344 Office System Applications and BE573 Business Curriculum & Teaching Methods. These two courses are taught by an adjunct faculty member. All other required courses are offered through the Bachelor of Science in Business program and taught by that program's faculty.

Number of department faculty teaching core courses in the program: 8

Number of department faculty teaching elective courses in the program: 0 (no electives offered)

Number of department faculty teaching general education courses: 5

Program Narrative

Program founded: The Business Education program was founded in the 1930s to address the need for secondary education teachers to provide instruction on business, industry, and the economy, and to teach students to manage their own business endeavors. Over time the program evolved to meet the needs of the state in preparing professional educators to teach courses in accounting, computer technologies, personal finance, entrepreneurship, and economics.

The degree to which the program supports the university's mission, strategic plan, or goals: The BSBE program aligns directly with the university's mission of preparing students for lifelong learning, rewarding careers, and adaptive leadership. ESU was founded as the Kansas State Normal School, and teacher education has remained central to the university's mission. The program supports Goal 3 of the university's Strategic Plan (*Enhance the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career*) by preparing highly qualified, classroom-ready business education teachers.

Program productivity beyond number of majors: Emporia State University is one of the few universities in the state to offer a Business Education program. While small, the program meets a need in Kansas school districts for licensed business teachers trained to offer courses in Accounting, Financial Management, Entrepreneurship, Economics, Computer and Technology Applications, and other business subjects at the middle and secondary school levels. Business Education graduates also advise student organizations such as the Future Business Leaders of America (FBLA).

Cost effectiveness: With only two dedicated courses, both taught by an adjunct faculty member, the program is very cost effective.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 5,999.98
Benefits[2]	\$ 525.30
Other Personnel Expenditures[3]	
Total	\$ 6,525.28

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 7,579.80
Fees[2]	\$ 720.00
State Funds	
Other Sources	
Total	\$ 8,299.80

Net Revenue (Loss)	\$ 1,774.52
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Employment demand (current and future): There is a strong demand for the program’s graduates, due to state and nationwide shortages of teachers who are credentialed in the Business teaching field.

Program strengths and weaknesses: The Business Education program benefits from ESU’s reputation as one of the premier educator preparation programs in the nation. The strong demand for business teachers, coupled with the program’s history of placing successful teachers in Kansas school districts, ensures excellent job prospects for program graduates. This is a program that meets a real need in the State of Kansas.

Weaknesses include a curriculum that, while solid and effective, is limited by the small size of the program. Environmental factors create headwinds to student recruitment: Fewer high school graduates are choosing teacher education as a college major than in the past, and business teachers’ salaries are lower than those of business graduates who choose other careers.

Recommendation: Continue the program.

Justification for Recommendation

The Business Education program operates at very low cost and addresses a real need for middle and secondary business teachers in Kansas schools.

Health Teacher Education

Average number of majors: 6

Average number of graduates: 6

Faculty Profile

Number of faculty dedicated solely to the program: None. The Health Education program, housed in the Department of Health, Physical Education & Recreation, is available only as a 24-credit second teaching field; it is not a stand-alone major and has no faculty of its own. All nine required courses are taught by faculty members assigned to the department's other programs, and all except three of those courses are requirements in other programs. One course is also a university general education course.

Program Narrative

Program founded: The Health Education program was initiated in 2003, when the State of Kansas enabled and regulated the Health Education teaching license. The program is accredited by the Kansas State Department of Education (KSDE). Upon degree completion and completion of the Health Education program, students are eligible to become licensed health education teachers in the state of Kansas.

The degree to which the program supports the university's mission, strategic plan, or goals: Emporia State University's institutional vision is "changing lives for the common good"—an acknowledgment of the university's role in improving the lives of Kansans. ESU was founded as the Kansas State Normal School, and teacher education has remained central to the university's mission. The program supports Goal 3 of the university's Strategic Plan (*Enhance the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career*) by preparing highly qualified, classroom-ready health education teachers who advance the well-being of today's youth and the development of tomorrow's citizenry.

Program productivity beyond number of majors: Emporia State University is one of the few universities in the state to offer licensure in Health Education. While small, the program meets a need in Kansas school districts for licensed health education teachers. Just as important, the program offers teacher education students the opportunity to supplement their first teaching field (usually Physical Education) with a second teaching field, thereby enhancing their employability and their career prospects.

Cost effectiveness: The Health Education program is highly cost effective. Of the 24 program credit hours, 14 are shared among two of the other undergraduate programs in the department

(Physical Education and Health & Human Performance). The ten hours that are specific to the Health Education program consist of three courses, split between semesters (two courses in the Fall and one course in the Spring). These three dedicated courses are taught by faculty members assigned to the department's other programs.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 16,062.82
Benefits[2]	\$ 6,293.39
Other Personnel Expenditures[3]	
Total	\$ 22,356.21

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 14,689.72
Fees[2]	\$ 7,457.90
State Funds	
Other Sources	
Total	\$ 22,147.62

Net Revenue (Loss)	\$ (208.59)
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Employment demand (current and future): Kansas school districts face a significant and worsening shortage of teachers licensed in Health Education, which creates a high demand for the program's graduates. At the elementary and middle school levels, the State of Kansas requires that physical education include instruction in health and human sexuality. At the high school level, Kansas requires a minimum of one unit of physical education, which must include health education. While some Physical Educators also have licensure in Health Education, many do not. As a result, Health Education classes in Kansas schools have been increasingly taught by teachers who lack licensure in Health Education. The percentage of Health Education classes taught by Physical Educators has risen from approximately 56% in 2014 to nearly 70% currently.

Program strengths and weaknesses: The Health Education program addresses the Kansas Health Education Standards and ensures that our students possess strong content knowledge, making them valuable assets for Kansas schools. The program also benefits from ESU's reputation as one of the premier educator preparation programs in the nation. The high demand

for Health Education teachers, coupled with the department's history of placing successful teachers in Kansas school districts, ensures excellent job prospects for program graduates. This is a program that meets a real need in the State of Kansas.

An obstacle to higher enrollment is that acquiring Health Education as a second teaching field does require additional college credit beyond what is needed for a BSE in a single teaching field. This additional time and cost can be a disincentive for some students.

Recommendation: Merge the program with the Physical Education program, resulting in a single program that prepares students for licensure in both areas.

Justification for Recommendation

As noted above, an increasing majority of Health Education classes in Kansas schools are being taught by Physical Educators. The Department of Health, Physical Education & Recreation believes that by combining the Health Education program with our Physical Education program, we can retain the most viable components of Health Education and ensure that our Physical Education students meet all expectations set forth by the State of Kansas for teaching Health Education.

Music Teacher Education

Music Teacher Education was discontinued several years ago and merged with Music, General. Five-year average enrollment and graduation numbers still show some students who had not yet either completed Music Teacher Education and graduated, or transitioned to Music, General.

Foreign Languages and Literatures, General

Average number of majors: 19

Average number of graduates: 6

Faculty Profile

Number of faculty dedicated solely to the program: Two faculty members in the Department of English, Modern Languages & Journalism are assigned to the Modern Languages program, with responsibility for teaching Core, Elective, and General Education courses. In addition, four Program Assistants assist in delivering instruction in Spanish, French, and German.

Number of department faculty teaching core courses in the program: 2

Number of department faculty teaching elective courses in the program: 2

Number of department faculty teaching general education courses: 10

Program Narrative

The Modern Languages Program awards two undergraduate degrees: the Bachelor of Science in Education and the Bachelor of Arts in Modern Languages with a concentration in Spanish. The program also offers a Minor in Modern Languages with a concentration in Spanish, German or French; and a Minor in Latin American Studies.

Program founded: The Modern Languages program was founded around 1921.

The degree to which the program supports the university’s mission, strategic plan, or goals:

The program aligns directly with ESU’s mission of “*preparing students for lifelong learning, rewarding careers, and adaptive leadership*” by producing bilingual professionals who are capable of leading in our bilingual country, both professionally and in their personal relationships. Our BSE prepares Spanish teachers who will teach in PK-12 Kansas schools. The BA prepares students for bilingual needs in business, economics, politics, non-profits and social services for our nation’s multilingual workforce. The program supports ESU’s strategic goal to “*become a model for diversity, equity, and inclusion*” by cultivating intercultural competencies, and by enrolling students from the Hispanic communities that comprise 27% of the Emporia population. ESU’s vision is “*changing lives for the common good.*” The program’s importance in actualizing this vision is underscored by the fact that the U.S. is the second largest Spanish speaking country. Demographics indicate that Spanish will be spoken by at least 30% of the U.S. population by 2050.

Program productivity beyond number of majors: The Modern Languages program recently updated its curriculum, adding a Spanish Heritage Language course and adapting the placement test to correspond to curricular changes. By placing students at the appropriate intermediate level, they are able to complete the program in (8) eight semesters, taking only one Spanish course per semester. Hybrid and completely online sections of the Business and Medical Spanish courses are offered at all levels. In this way, the program supports nursing students who double major and are working to meet the unprecedented need for bilinguals in the healthcare field. The program offers high-impact leaning opportunities such as domestic and international study abroad experiences (e.g., New Mexico and Colombia), faculty-mentored research, and contract courses through the Honors College. A number of recent publications were co-authored by students, demonstrating the program’s commitment to high-impact applied learning.

Cost effectiveness: The Modern Languages program operates efficiently and cost-effectively, generating significant net revenue for the university.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 213,230.53
Benefits[2]	\$ 49,561.24
Other Personnel Expenditures[3]	\$ 8,100.00
Total	\$ 270,891.77

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 382,027.26

Fees[2]	\$ 122,532.80
State Funds	
Other Sources	
Total	\$ 504,560.06

Net Revenue (Loss)	\$ 233,668.29
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Employment demand (current and future): Current economic realities are such that “American employers are operating in an increasingly multilingual and multicultural economy in which 65 million U.S. residents speak a language other than English (40 percent with limited or no English proficiency), and 96 percent of the world’s consumers and two-thirds of its purchasing power reside outside of the U.S. borders.” Significantly, “Eighty-five percent of U.S. employers say they’re reliant on Spanish, making it by the far the most sought-after language.”¹ Importantly, Spanish is the second most spoken language in the U.S., with over 50 million Spanish speakers; Spanish is the fourth most spoken language in the world with over 600 million speakers. ESU’s Modern Languages program prepares future Kansas teachers, who are in critical demand in the State of Kansas and across the nation.

Program strengths and weaknesses: The Modern Languages program’s main strength lies in its adaptability and innovation, as demonstrated by the use of Program Assistants to facilitate online and hybrid instruction, by the revision of the curriculum, and by the development of new programming. Learning objectives have been aligned with the ACTFL proficiency standards, and students’ results are measurable and reportable. These innovations demonstrate the program’s distinctiveness and have produced results. The program’s main weakness is its small size and limited staffing, which restricts opportunities for student recruitment, programming, and growth.

Recommendation: Continue the program.

Justification for Recommendation

Modern Languages’ enrollment has trended upward in recent years, increasing from 16 majors (juniors and seniors only) in Fall 2016 to 20 in Fall 2020, with 8 graduated in AY20. With an efficient instructional model, a popular minor (5-year average enrollment of 54), and healthy

¹ American Council on the Teaching of Foreign Languages with the support of Pearson LLC and Language Testing International. (2019). “Making Languages Our Business: Addressing the Foreign Language Demand Among U.S. Employers.” Retrieved from https://www.scribd.com/document/411004208/Making-Languages-Our-Business#from_embed

general education registrations, the program delivers good value and is a net revenue generator for the university.

Biochemistry and Molecular Biology

Average number of majors: 20

Average number of graduates: 7

Faculty Profile

Number of faculty dedicated solely to the program: None. The Biochemistry and Molecular Biology program is offered jointly by the Department of Physical Sciences and the Department of Biological Sciences, with 17 faculty members from the two departments contributing. All courses included in the curriculum are already taught for other programs, and all faculty who contribute to the interdisciplinary BMB have their primary assignments with other programs (e.g., undergraduate majors in Biology and Chemistry; graduate majors in Biology, Forensic Science, and the Chemistry Concentration in the Physical Sciences MS program; general education). In addition, some of these faculty contribute to coursework and advising essential for pre-professional programs such as pre-pharmacy, pre-physical therapy, and pre-medicine.

Number of department faculty teaching core courses in the program: 11

Number of department faculty teaching elective courses in the program: 9

Number of department faculty teaching general education courses: 20

Program Narrative

The interdisciplinary Biochemistry and Molecular Biology (BMB) program provides a curriculum designed to prepare students to pursue additional graduate study or employment in fields such as biotechnology, bioengineering, or biomedical research. It also represents an excellent choice of major for preparation for health-related professional programs such as medical school.

Program founded: The major was approved as a new program in 2003.

The degree to which the program supports the university's mission, strategic plan, or goals:

The BMB program has helped attract faculty who are excellent teachers, committed mentors and skilled researchers to the Department of Biological Sciences and the Department of Physical Sciences at Emporia State University. The program and its excellent faculty and facilities have in turn helped recruit excellent students to Emporia State University who have gone on to be doctors, dentists, pharmacists, laboratory researchers, and scholars at other universities. The program has thus fulfilled the University Mission to prepare students to be lifelong learners who attain rewarding careers and participate in adaptive leadership. These faculty and students have also exhibited the University's core values of excellence, respect, responsibility and service to Emporia State University, the City of Emporia and the State of Kansas. As a distinctive interdisciplinary program, the BMB has trained many young scientists who have entered the

Kansas workforce in a number of important capacities. The program has contributed significantly to ESU’s strategic goal of “*enhancing the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career.*”

Program productivity beyond number of majors: Beyond just the numbers of high-achieving students and faculty that the program has helped bring to campus, it is important to note the impact graduates of the program’s graduates. Two specific examples are Ryan and Jeff Kohlmeier. Ryan was a BMB major who graduated from ESU in 2007 and is now a dentist in Emporia. His younger brother Jeff was a BMB major who graduated from ESU in 2008 and is now an orthodontist with a practice in Manhattan. The faculty contributing to the program have active research programs that provide opportunities for students to engage in research. In AY2020 there were 13 publications and presentations deriving from faculty-led research. Nine of these included BMB majors as the primary presenter. BMB faculty also acquired \$55,862 in new research grants and managed continuing grants totaling \$473,085.

Cost effectiveness: There are no faculty with primary assignment to the BMB program, and it has no direct instructional costs of its own. The program does, however, provide a key recruitment area into a high demand field of study. It also provides participating departments opportunities to seek and obtain external funding through sources such as K-INBRE (Kansas Idea Network of Biomedical Research) and NASA, just to name two that have subsidized our efforts to encourage undergraduate research.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 0
Benefits[2]	\$ 0
Other Personnel Expenditures[3]	\$ 0
Total	\$ 0

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 0
Fees[2]	\$ 0
State Funds	
Other Sources	

Total	\$ 0

Net Revenue (Loss)	\$ 0
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Employment demand (current and future): The demand for graduates from the program has in most years exceeded our ability to produce graduates. Data from the most recent Career Outcomes Survey of ESU BMB graduates (2018-2019) indicated a career outcome rate (employment + education) of 75%.

Program strengths and weaknesses: One strength is that the program is truly interdisciplinary, allowing students to merge training and experiences from biology, microbiology, cell biology, immunology, chemistry, and biochemistry into a program that can be customized for their career goals. Another strength is the personal attention from faculty that provides mentorship and allows students in the program to participate in meaningful research while they are still undergraduates.

Recommendation: Continue the program.

Justification for Recommendation

The primary justification for continuing the program was mentioned earlier under cost-effectiveness. Since the faculty and facilities are already in place for other programs, there are no direct costs. Enhanced ability to recruit high-achieving students and to gain access to external funds to support these students' research projects are added benefits beyond cost-effectiveness.

Physical Sciences General

Average number of majors: 5

Average number of graduates: 4

Faculty Profile

Number of faculty dedicated solely to the program: None. The Physical Sciences (Science Grades 5-8) program, housed in the Department of Physical Sciences, is not a program or major in the usual sense. It has no faculty or courses of its own; all required courses are offered by other programs and taught by faculty members assigned to those programs. Its sole purpose is to provide secondary teacher education students majoring in Chemistry, Physics, and Earth Science an opportunity to obtain a second teaching licensure in Science Grades 5-8.

Number of department faculty teaching core courses in the program: Variable

Number of department faculty teaching elective courses in the program: No electives offered

Number of department faculty teaching general education courses: 14

Program Narrative

The Department of Physical Sciences offers three majors—Chemistry, Earth Science, and Physics. Secondary teaching licensure is offered in those three major areas, plus a fourth licensure in Science Grades 5-8 which is available only as an additional licensure option, not as a free-standing major. The department's teacher education students are required to earn two of the four licensures. Their first licensure area will be the field of their major (Chemistry, Earth Science, or Physics); some will choose Science Grades 5-8 as their second licensure. All four available licensure areas require a common core of physical sciences courses, the general education requirements common to all ESU secondary teacher preparation programs, and the education-specific curriculum of The Teachers College including student teaching. No courses or faculty are assigned to the program because the courses required for Sciences Grades 5-8 licensure are offered in other programs.

Program founded: Science Grades 5-8 teaching licensure was established by the Kansas Board of Education in 2001.

The degree to which the program supports the university's mission, strategic plan, or goals: Emporia State University's institutional vision is "changing lives for the common good"—an acknowledgment of the university's role in improving the lives of Kansans. ESU was founded as the Kansas State Normal School, and teacher education has remained central to the university's mission. The program supports Goal 3 of the university's Strategic Plan (*Enhance the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career*) by preparing highly qualified, career-ready middle school science teachers who advance the well-being of today's youth and the development of tomorrow's citizenry.

Program productivity beyond number of majors: While small, the program meets a need in Kansas school districts for licensed middle school science teachers. Just as important, the program offers science education students the opportunity to supplement their primary teaching field with a second licensure, thereby enhancing their employability and their career prospects.

Cost effectiveness: The Physical Sciences (Science Grades 5-8) licensure program is highly cost effective. In fact, it is offered with no direct instructional costs of its own, since its requirements consist entirely of courses offered by other programs and taught by those programs' faculty members.

Direct Instructional Expenditures

Source	FY 2020
<u>Salaries</u> [1]	\$ 0
<u>Benefits</u> [2]	\$ 0
<u>Other Personnel Expenditures</u> [3]	\$ 0
Total	\$ 0

Sources that Support the Program

Source	FY 2020
<u>Tuition</u> [1]	\$ 0
<u>Fees</u> [2]	\$ 0
State Funds	
Other Sources	
Total	\$ 0

Net Revenue (Loss)	\$ 0
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Employment demand (current and future): Kansas school districts face a significant and worsening shortage of teachers licensed in Science Grades 5-8, which creates a high demand for the program’s graduates. Middle school science classes are often taught by teachers who lack licensure in that teaching field.

Program strengths and weaknesses: The Physical Sciences (Science Grades 5-8) licensure program ensures that our students possess strong content knowledge, making them valuable assets for Kansas schools. The program also benefits from ESU’s reputation as one of the premier education preparation programs in the nation. The high demand for middle school science teachers, coupled with the department’s history of placing successful teachers in Kansas

school districts, ensures excellent job prospects for program graduates. This is a program that meets a real need in the State of Kansas.

An obstacle to higher enrollment is that earning licensure in a second teaching field requires a demanding and inflexible curriculum, a fact that can be a disincentive for some students.

Recommendation: Continue the program.

Justification for Recommendation

Since its curriculum consists entirely of courses offered in other programs, there are no resources associated with Physical Sciences (Science Grades 5-8), and its discontinuance would result in no efficiencies. While relatively few students pursue Science Grades 5-8 licensure, it should continue to be available as a valuable career option for science education students, and as an important service to school districts that struggle to find and hire qualified middle school science teachers.

Chemistry, General

Average number of majors: 18

Average number of graduates: 9

Faculty Profile

Number of faculty dedicated solely to the program: Eight faculty members in the Department of Physical Sciences have their primary assignment with the Chemistry program, but they also teach general education courses, courses for students in other undergraduate programs (Earth Science, Physics, Biochemistry & Molecular Biology, Biology, Nursing), and courses for graduate programs (Forensic Science, the Chemistry concentration for the MS in Physical Sciences). Some of the Chemistry program faculty also provide coursework and advising for pre-professional programs such as pre-pharmacy, pre-medicine, pre-physical therapy, pre-dentistry, pre-chiropractic, and pre-engineering.

Number of department faculty teaching core courses in the program: 8

Number of department faculty teaching elective courses in the program: 8

Number of department faculty teaching general education courses: 14

Program Narrative

Chemistry is the science of understanding the structure of matter and the transformations that matter undergoes. Persons involved in chemistry-related professions are interested in discovering how they can help society fulfill its traditional material needs for improved clothing, shelter, and food, or how they can diagnose and treat physical ailments and afflictions associated with our technical age. Chemistry majors can complete the Bachelor of Arts (BA) degree, the Bachelor of

Science (BS) degree, or the Bachelor of Science in Education (BSE) degree. Majors completing the BA can choose concentrations in Biochemistry or Environmental Chemistry. Majors completing a BS can choose to complete a curriculum approved by the Committee for Professional Training of the American Chemical Society. BSE students earn secondary education licensure in Chemistry. In addition, specific Pre-Med and Other Pre-Professional Programs curricular plans are available for students interested in careers in medicine, pharmacy, optometry, and engineering. Emporia State chemistry students have the opportunity and are encouraged to become members of the American Chemical Society (ACS).

Program founded: The major has existed in one form or another for more than 50 years.

The degree to which the program supports the university’s mission, strategic plan, or goals:

The Chemistry program has helped attract faculty who are excellent teachers, committed mentors and skilled researchers to the Department of Physical Sciences at Emporia State University. The program and its excellent faculty and facilities have in turn helped recruit excellent students to Emporia State University who have gone on to be doctors, dentists, pharmacists, laboratory researchers, and scholars at other universities. The program has thus fulfilled the University Mission to prepare students to be lifelong learners who attain rewarding careers and participate in adaptive leadership. These faculty and students have also exhibited the university’s core values of excellence, respect, responsibility and service to Emporia State University, the City of Emporia and the State of Kansas. The Chemistry program has trained many young scientists who have entered the Kansas workforce in a number of important capacities. It has contributed significantly to our goal of “Enhancing the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career.”

Program productivity beyond number of majors: Beyond just the numbers of high-achieving students and faculty that the program has helped bring to campus, it is important to note the impact of the program’s faculty and graduates. The faculty have active research programs that attract external funding and provide opportunities for students in the program to engage in research. They have also been instrumental in the development of other collaborative programs such as our master’s in Forensic Science. The impact of our graduates can be illustrated by the accomplishments of two of our recent chemistry graduates, Amber Harrouf and Claudia Jaimes. Both students were admitted to pharmacy school, graduated, and have returned to serve as pharmacists in Emporia or nearby communities.

Cost effectiveness: The Chemistry program is particularly cost effective for two reasons: 1) No Chemistry faculty members are devoted entirely to the Chemistry program. All faculty who participate in delivering the Chemistry curriculum also serve general education and other programs. 2) The Chemistry program has made it possible for the Department of Physical Sciences to seek and obtain external funding through sources such as K-INBRE (Kansas Idea Network of Biomedical Research) and NASA, just to name two that have subsidized our efforts to encourage undergraduate and graduate student research.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 328,114.84

Benefits[2]	\$ 113,847.21
Other Personnel Expenditures[3]	\$ 16,400.00
Total	\$ 458,362.05

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 306,835.71
Fees[2]	\$ 146,514.50
State Funds	
Other Sources	
NASA Space Grant Program	\$ 11,000.00
Revenues from Private Donors Endowed Funds (Non-Scholarship)	\$ 3,633.00
K-INBRE Grant	\$ 28,000.00
Total	\$ 495,983.21

Net Revenue (Loss)	\$ 37,621.16
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Employment demand (current and future): The demand for graduates from the program has in most years exceeded our ability to produce graduates. According to the U.S. Bureau of Labor Statistics, “Overall employment of chemists and materials scientists is projected to grow 5 percent from 2019 to 2029, faster than the average for all occupations.” The results from the most recent Career Outcomes Survey of ESU chemistry program graduates indicates a career outcome rate (employment + education) of 85.7%.

Program strengths and weaknesses: One strength of the program is that it allows students to either focus on Chemistry and complete an American Chemical Society certified major program, or to pursue a more flexible curriculum with concentrations in environmental chemistry or biochemistry, or to earn secondary education licensure in Chemistry. Another strength is the personal attention from faculty that provides mentorship and allows students in the program to participate in meaningful research while they are still undergraduates.

Recommendation: Continue the program.

Justification for Recommendation

The Chemistry program is cost-effective, generating net revenue for the university. The Chemistry faculty and facilities support many other programs (general education, Pre-Med, Biology, Biochemistry & Molecular Biology, Earth Science, Nursing, Pre-Pharmacy, Forensic Science, Pre-Chiropractic, Pre-Physical Therapy, Pre-Engineering, etc.). In addition, no other

program in the sciences supports such a breadth of study options, and few programs at the university are more successful in attracting high-achieving students and producing high-demand graduates.

Geology/Earth Science General

Average number of majors: 17

Average number of graduates: 9

Faculty Profile

Number of faculty dedicated solely to the program: Four faculty members in the Department of Physical Sciences have their primary assignment with the Earth Science program, but they also teach courses for the M.S. in Physical Science, the M.S. in Informatics, the dual-degree Earth Science/Engineering Program, the Paleontology minor, and the Geospatial Analysis minor and graduate certificate, as well as general education courses. In addition, one of the four faculty members serves as chair of the Department of Physical Sciences, and another directs the Johnston Geology Museum.

Number of department faculty teaching core courses in the program: 4

Number of department faculty teaching elective courses in the program: 4

Number of department faculty teaching general education courses: 14

Program Narrative

The Earth Science program emphasizes geology, but students also take coursework in specific sub-fields of the Earth Sciences. The BA/BS curriculum was revised last academic year to create more flexibility, with a core focused on geology and concentrations that allow students to select electives in areas of interest or for career preparation. Current available concentrations are: Atmospheric Science, Environmental Geology, Physical Geology and Soil Science. The BA/BS curriculum also requires either coursework in an allied discipline (e.g., statistics, biology, chemistry, computer science, geography, geoinformatics, mathematics, physics, physical sciences) or a minor approved by the student's advisor (e.g., biology, chemistry, geography, geospatial analysis, mathematics, paleontology, physics). Students completing the BSE (Bachelor of Science in Education) curriculum earn secondary education licensure in Earth-Space Science.

Program Founded: The earth science major was founded around 1973.

The degree to which the program supports the university's mission, strategic plan, or goals:

The Earth Science program and its excellent faculty and facilities (e.g., Johnston Geology Museum, Aber Geospatial Analysis Computer Lab) have helped recruit high-achieving students to Emporia State University who have gone on to be professional geologists, environmental scientists, high school science teachers, private consultants, business owners, and private sector scientists working in fields ranging from the petroleum industry to geospatial analysis to

investment banking. Earth Science program graduates contribute to the Kansas science workforce through their employment with the Kansas Department of Health and Environment, the Kansas Corporation Commission, the Kansas Department of Transportation, the Kansas Water Office, the Kansas Geological Survey, the U.S. Department of Agriculture, the U.S. Geological Survey, and the U.S. Environmental Protection Agency (EPA). Our graduates also work for, and in some cases own, private environmental consulting and oil exploration businesses in Kansas. The Earth Science program has thus fulfilled the University Mission to prepare students to be lifelong learners who attain rewarding careers and participate in adaptive leadership. These faculty and students have also exhibited the University’s core values of excellence, respect, responsibility and service to Emporia State University, the City of Emporia, the State of Kansas, and beyond. The Earth Science program has trained many young scientists who have entered the Kansas workforce in a number of important capacities. It has contributed significantly to the university’s strategic goal of “*enhancing the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career.*”

Program productivity beyond number of majors: The Earth Science program’s graduates have had a significant impact on the scientific workforce at the community, state of Kansas, and national levels. Examples include: 1) Kyle Halverson, who is a professional geologist serving as the Chief Geologist at the Kansas Department of Transportation; 2) Elizabeth Hagenmaier (Coffey) who works as a Project Manager for the Environmental Protection Agency (EPA) Region 7 Office in Olathe, Kansas. Liz was recently recognized as the EPA National Project Manager of the year for 2019 and as a 2020 Outstanding Recent Graduate for Emporia State University; 3) Justin Abel, who works at the U.S. Geological Survey office in Lawrence, Kansas as a hydrologist; 4) Logan Smith, Jesse Higginbotham, Katy Schwinghamer, Everett Spellman, Dane Boring, Brian Madeira, Kevin Faurot, and Lacey Laird work in various capacities at the Kansas Department of Health and Environment. They are all graduates of our undergraduate Earth Science program and are just a few of the more than 15 scientists who work for that agency and earned academic credentials from Emporia State University.

Cost effectiveness: The Earth Science program is efficient, operating with only three full-time faculty members plus one half of the Department Chair’s work assignment. With those limited resources, the program delivers the undergraduate major (including the teaching licensure option), the Geospatial Analysis minor and graduate certificate, the Geoinformatics concentration in the M.S. Informatics program, and the Earth Science concentration in the M.S. Physical Science program, as well as physical science general education courses—all while generating net revenue for the university.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 230,687.97
Benefits[2]	\$ 86,205.33
Other Personnel Expenditures[3]	\$ 8,200.00
Total	\$ 325,093.30

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 361,349.02
Fees[2]	\$ 152,914.90
State Funds	
Other Sources	
NASA Space Grant Program	\$ 4,000.00
Revenues from Private Donors Endowed Funds (Non-Scholarship)	\$ 4,033.00
Total	\$ 522,296.92

Net Revenue (Loss)	\$ 197,203.62
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Employment demand (current and future): The U.S. Bureau of Labor Statistics projects that the demand for geoscientists will grow five percent faster than the average for all occupations from 2019 to 2029, with a median annual pay rate of \$92,040 in 2019. Data from the most recent Career Outcomes Survey of ESU graduates (2018-2019) indicated a career outcome rate for Earth Science program graduates (employment + education) of 75%.

Recommendation: Continue the program.

Justification for Recommendation:

Strengths of the Earth Science program include its cost-effectiveness (as evidenced by the net revenue generated), the strong job outlook for its graduates, and the recent changes that have made the program's curriculum more flexible and thus more appealing to students with varied career goals. These three factors should increase the potential for enrollment growth and support the continued production of career-ready geoscience graduates.

Physics, General

Average number of majors: 12

Average number of graduates: 7

Faculty Profile

Number of Faculty Dedicated Solely to the Program: Three faculty members in the Department of Physical Sciences have their primary assignment with the Physics program, but they also teach general education courses as well as courses for students in other undergraduate programs (Chemistry, Earth Science, Biochemistry & Molecular Biology, Biology). In addition, Physics program faculty teach courses for our Pre-Engineering and dual-degree Engineering programs and contribute to the University Honors College.

Number of Faculty Teaching Core Courses: 4

Number of Faculty Teaching Elective Courses in the Program: 4

Number of Faculty Teaching General Education Courses: 14

Program Narrative

Description: The Physics program of study is flexible, permitting students to achieve a certain degree of specialization, but also requiring significant experience in theory, experimentation and computation. Students are required to complete an experimental capstone project in the final year of the program. In addition to the physics courses, students develop a solid background in mathematics, computer science, and chemistry, which provides many career options. Physics majors can complete the Bachelor of Arts (BA) degree, the Bachelor of Science (BS) degree, or the Bachelor of Science in Education (BSE) degree. The BA and BS in Physics provide an excellent foundation for physics-based careers such as medical physics or computational science, and also prepare students for graduate study in one of the many areas of experimental or theoretical physics. BSE students earn secondary education licensure in Physics. Specific recommended curricular plans are available for students who wish to obtain a baccalaureate degree in physics while simultaneously preparing for employment or further education in an allied field, e.g., engineering, geophysics, medicine, or computer science.

Program founded: The major has existed in one form or another for more than 50 years.

The degree to which the program supports the university's mission, strategic plan, or goals:

The Physics program has helped attract faculty who are excellent teachers, committed mentors and skilled researchers to the Department of Physical Sciences at Emporia State University. The program and its excellent faculty and facilities have in turn helped recruit excellent students to Emporia State University who have gone on to be engineers, doctors, laboratory researchers, medical physicists, and Ph.D.-level scholars at other universities. The program has thus fulfilled the University Mission to prepare students to be lifelong learners who attain rewarding careers and participate in adaptive leadership. These faculty and students have also demonstrated the University's core values of excellence, respect, responsibility and service to Emporia State University, the City of Emporia and the State of Kansas. The Physics program has trained many young scientists who have entered the Kansas workforce in a number of important capacities. It has contributed significantly to our goal of "Enhancing the competitive role of Kansas by enrolling, retaining, and graduating students ready for life and career."

Program productivity beyond number of majors: Beyond just the numbers of high-achieving students and faculty that the program has helped bring to campus, it is important to note the impact of the program's graduates on the scientific workforce at the community, state of Kansas, and national levels. Examples include: 1) Josh Unruh, who graduated with a BS in Physics

major in 2014 and now works for ValueNet, a telecommunications company in Emporia, Kansas. Josh was also recently accepted into an online M.S. in Computer Science program at Georgia Tech University; 2) Isaac Hall, who graduated from Emporia State in 2018 with a Physics major and from Kansas State University in 2019 with a degree in Mechanical Engineering. Isaac now works as an engineer at the Wolf Creek Nuclear Operating Corporation facility in Burlington, Kansas; 3) Lizeth Magana, who graduated from Emporia State University with a Physics major in 2016. Lizeth is now in a Ph.D. program at the University of Texas at San Antonio's Southwest Research Institute.

Cost effectiveness: While the Physics program does not generate net revenue for the university, it does operate efficiently. No Physics faculty members are devoted entirely to the Physics program. All faculty who participate in delivering the Physics curriculum also serve general education and other programs. The Physics program has also made it possible for the Department of Physical Sciences to seek and obtain external funding through sources such as the U.S. Department of Agriculture and NASA, just to name two that have subsidized our efforts to encourage undergraduate and graduate student research.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 171,929.98
Benefits[2]	\$ 57,802.38
Other Personnel Expenditures[3]	\$ 7,850.00
Total	\$ 237,582.36

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 96,405.12
Fees[2]	\$ 47,567.40
State Funds	
Other Sources	
NASA Space Grant Program	\$ 4,000.00
Revenues from Private Donors Endowed Funds (Non-Scholarship)	\$ 933.00
Total	\$ 148,905.52

Net Revenue (Loss)	\$ (88,676.84)
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Employment demand (current and future): The demand for graduates from the Physics program has in most years exceeded our ability to produce graduates. According to the U.S. Bureau of Labor Statistics, “Overall employment of physicists and astronomers is projected to grow 7 percent from 2019 to 2029, faster than the average for all occupations.” Data from the most recent ESU Career Outcomes Survey (2018-2019) indicates a career outcome rate for physics majors (employment + education) of 100%.

Program strengths and weaknesses: One strength of the program is that it allows students to study Physics in a flexible program that can focus on theoretical physics, robotics, or on preparation for a teaching career or for a professional engineering program. Another strength is the personal attention from faculty that provides mentorship and allows students in the program to participate in meaningful research while they are still undergraduates. The Physics faculty and facilities (e.g., the Peterson Planetarium) support many other university programs (general education, Biology, Biochemistry & Molecular Biology, Earth Science, Pre-Engineering, dual-degree Engineering). The program produces graduates in engineering in partnership with Kansas State University, the University of Kansas and Wichita State University.

Recommendation: Additional review in Spring 2021, as ESU undertakes a comprehensive budget reduction process.

Justification for Recommendation

Although the Physics program operates at low cost, supports many other university programs, and contributes to the science workforce in Kansas, its viability must also be assessed in the broader context of limited institutional resources.

Econometrics and Quantitative Economics

Average number of majors: 16

Average number of graduates: 9

Faculty Profile

Number of faculty dedicated solely to the program: Two faculty members in the Department of Mathematics and Economics are assigned to the Economics program; for one the program is the primary assignment, and for the other it is a secondary assignment. Both teach core and elective courses in the program, plus general education courses. Additional core and elective courses are taught by faculty members in the Department of Mathematics and Economics and the Department of Business Administration whose primary assignments are with other programs.

Number of department faculty members teaching core courses in the program: 4

Number of department faculty members teaching elective courses in the program: 4

Number of department faculty members teaching general education courses: 4

Program Narrative

The Economics program offers the Bachelor of Science degree through a curriculum designed to develop critical and analytical thinking in a focused program of study. The core of the program includes a broad-based exposure to economics followed by courses in intermediate microeconomics, intermediate macroeconomics, and statistics. Beyond the core, students take additional advisor-approved electives in economics and related areas. High-impact, active learning opportunities are common, with a special focus on applied mentored research relevant to Kansas.

Program founded: Economics was established as a department in 1908 (*ESU Archives*).

The degree to which the program supports the university’s mission, strategic plan, or goals:

The Economics program aligns with ESU’s mission by embedding Kansas Leadership Center principles and competencies throughout the program starting in the first year. The program supports the university’s strategic plan through its distinctiveness and through its commitment to diversity, equity & inclusion. The Economics program’s distinctiveness lies in the fact that it is the only Kansas economics program designated as a STEM program by the U.S. Department of Education. This distinctiveness seems attractive to economists; more than 180 candidates applied for a faculty opening four years ago, and all five of the finalists were from underrepresented groups. The Economics program is a model of diversity, equity & inclusion. Between 2010 and 2019 the program graduated exactly 100 students; 48 were white and 37 were female, which illustrates greater diversity than is typical.

Program productivity beyond numbers of majors: Economics courses are a key component of general education at ESU, and they also serve as support courses for other majors. Economics faculty members are highly productive scholars. Economics-related books, academic journal articles, presentations at professional conferences, and the like average over 5 per year per department economics faculty member. The ResearchGate score of 28.67 for the program’s senior faculty member is higher than that of 87.5% of all ResearchGate members worldwide. The Economics program is highly engaged both on campus and externally. The program’s faculty-directed ESU Center for Economic Education is the preeminent leader in Kansas, and ranks highly nationally, in training K-12 educators to teach economics and personal finance. The national Council for Economic Education (CEE) reports that over the past 5 years, the Center offered 108 Econ Ed activities involving 3,068 participants. ESU Economics heads the American Democracy Project (ADP) and helped ESU achieve the highest registration & voting rates in Kansas in the 2016 and 2018 elections. The program collaborates with many external partners in government, industry, and the community; for example, the Federal Reserve Bank of St. Louis invited ESU to replace the University of Colorado-Boulder as their exclusive provider of economics courses for professional development. Other partners include the Federal Reserve Bank of Kansas City, KCEE, national CEE, KSDE, Healthier Lyon County, ALL-IN Campus Democracy Challenge, and Money \$mart Kansas.

Cost effectiveness: The program is highly cost effective and is a net revenue generator for ESU.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 76,894.87
Benefits[2]	\$ 48,448.82
Other Personnel Expenditures[3]	\$ 2,000.00

Total	\$ 127,343.69
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Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 183,687.08
Fees[2]	\$ 53,738.15
State Funds	
Other Sources	
Total	\$ 237,425.23

Net Revenue (Loss)	\$ 110,081.54
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Employment demand (current and future): Demand for economists in the job market is very strong. Over the past three years, approximately 58% of reporting graduates from the Economics program accepted professional jobs related to economics, while 37% pursued additional education (i.e., 95% placement rate). Many graduates have served in the Kansas public sector in high-demand technical jobs (e.g., analysts at the KCC-Utility Rates, KS Departments of Revenue and Aging).

Program strengths and weaknesses: The Economics program's greatest strength is its ability to attract capable and motivated students, graduate them on time, and place them in high-quality jobs. ACT linkage studies indicate that 14% of ESU Economics majors came with ACT math and quantitative reasoning scores in the top 10%; by their junior/senior year at ESU, 46% were in the top 10% in the nation on the ACT-CAAP (i.e., the advanced ACT test for college juniors). Average time to completion for Economics majors is 3.9 years, despite the fact that some progress more slowly after accepting attractive job offers prior to graduation. According to KBOR data, ESU Economics starting salaries are the highest among economics graduates of all Kansas public universities. After graduation 82% of ESU economics graduates are employed in the region, which is also the highest in Kansas. Over \$82,000 came to the ESU Center for Economic Education in external grant funding since 2017 (from the Kansas Council for Economic Education and the national CEE).

The program's primary weakness is its small size, which limits the scope of its curricular offerings and programming.

Recommendation: Continue the program.

Justification for Recommendation: The Economics program has high student success rates, externally documented high-level outcomes, and is highly diverse. It aligns exceedingly well

with the university's mission and strategic plan and adds value beyond the major and the ESU campus (e.g., graduates stay and serve in Kansas; the Center for Economics Education, which is the preeminent leader in training Kansas K-12 educators to teach economics and personal finance). In addition to high quality, the program offers good value and generates net revenue, due in part to the prevalence of general education courses in the faculty's teaching assignments. While the program's 5-year average upper-division headcount does not meet the minimum threshold, its most recent 5-year average for completions (54 graduates in 5 years = 10.8 graduates/year) does meet the KBOR minimum.

Political Science and Government, General

Average number of majors: 16

Average number of graduates: 7

Faculty Profile

Number of Faculty Dedicated Solely to the Program: Three full-time faculty members are assigned exclusively to the Political Science program in the Department of Social Sciences, one of whom teaches a reduced load as department chair. In addition to teaching core and elective courses in the program, the three faculty members teach courses for general education, for the Interdisciplinary Studies program, for the MA in History, and for minors including Legal Studies, National Security, and Public Administration. Political Science faculty also support the BSE in Social Sciences Education, which serves Political Science and History majors seeking teacher licensure.

Number of department faculty teaching core courses in the program: 3

Number of department faculty teaching elective courses in the program: 3

Number of department faculty teaching general education courses: 18

Program Narrative

Program founded: The Political Science program has been at ESU since 1947, according to ESU Libraries and Archives.

The degree to which the program supports the university's mission, strategic plan, or goals:

The program exemplifies the University's vision of "*changing lives for the common good*" through its emphasis on applied learning and high-impact learning experiences for students. The Political Science program advances Goal 2 of the university's strategic plan to "enrich the student experience with opportunities for leadership development and practice" through its emphasis on internships and practicums.

Program productivity beyond number of majors: The five-year (2014-2018) average number of Political Science majors is 37, including **16** juniors and seniors, while the five-year average number of graduates is **7**. Student recruitment and retention efforts have resulted in a significant increase in program graduates, from 5 in 2016 to 15 in 2019. For the last two years (2018 and 2019), the number of political science graduates has met the KBOR target. It is important to note that 80-90 additional Political Science and History students are typically enrolled in the

BSE program in Social Sciences Education, and while technically they do not count as enrollees in either content program, for all practical purposes they are Political Science or History majors. **Cost effectiveness:** The program is efficient and cost-effective, generating net revenue for the university.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 193,762.60
Benefits[2]	\$ 59,445.94
Other Personnel Expenditures[3]	\$ 1,929.00
Total	\$ 255,137.54

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 228,494.82
Fees[2]	\$ 80,709.85
State Funds	
Other Sources	
Total	\$ 309,204.67

Net Revenue (Loss)	\$ 54,067.13
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Employment demand (current and future): Structured around career tracks, the BA and BS in Political Science serve both professional needs and the needs of a liberal arts education. While the program is designed to meet a variety of specific employment goals, including those in teaching, business, and government agencies, its graduates are not limited to a specific kind of

work. They are broadly employable due to the program's emphasis on the development of critical thinking, communication, and problem-solving skills. The program also serves as excellent preparation for graduate and professional training in such fields as law, public administration, and government relations.

Program strengths and weaknesses: The Political Science program fosters leadership development and the application of knowledge through meaningful internship experiences. Specific examples include three interns in Washington, DC since 2015, with two in Congress and one at the Organization of American States. Political Science students also intern regularly at the Kansas Legislature (including one for Senate President Susan Wagle in 2018) and in the Emporia City Manager's Office. Political Science faculty members are highly productive scholars. Dr. Phil Kelly's most recent book, *Classical Geopolitics*, was published by Stanford in 2016. Dr. Kelly has won a summer research grant to conduct research with students every year since 2014, resulting in numerous co-authored publications. Dr. John Barnett has won two Fulbright awards to support his research on Vietnamese agriculture, and he serves as a Fulbright reviewer for grant applications. Dr. Michael Smith served as lead author for the 2019 book *Low Taxes and Small Government*, co-authored with two ESU colleagues. He also served as lead author for the 2014 book *State Voting Laws in America*. He is also co-chair of KBOR's TAAC Core Outcomes for political science. Faculty members are also deeply involved in civic engagement activities such as Dr. Kelly's service on the Mackinder Forum and Drs. Barnett and Smith's service on the Advisory Board of the Olathe School District's Civic Leadership Academy.

Recommendation: Continue the program.

Justification for the Recommendation

With only three full time faculty members, one of whom also serves as the chair of a large interdisciplinary department, the Political Science program operates at low cost and generates net revenue for the university. Approximately one half of the faculty's teaching assignments comprise general education courses. The program's upper-division core and elective courses serve not only Political Science majors, but also BSE-Social Sciences Education majors, Interdisciplinary Studies majors, numerous minors, and graduate students. If the major in Political Science were discontinued, most of these courses would still have to be offered. As noted above, enrollment in the Political Science program is actually quite healthy if BSE students, counted separately for technical reasons, are taken into account.

Drama and Dramatics/Theatre Arts, General

Average number of majors: 24

Average number of graduates: 7

Faculty Profile

Number of faculty dedicated solely to the program: Five full-time faculty members in the Department of Communication & Theatre are assigned primarily to the Theatre program, plus

two full-time staff members (costume shop manager & technical director) who also serve as part-time faculty. All Theatre faculty members teach the program's core and elective courses, which also support the Speech/Theatre BSE option for theatre and communication students seeking teacher licensure. All five regular faculty members also teach the program's general education course.

Number of department faculty teaching core courses in the program: 7

Number of department faculty teaching elective courses in the program: 7

Number of department faculty teaching general education courses: 5

Program Narrative

The Theatre program offers two degree options. The Bachelor of Arts curriculum provides a broad liberal arts experience and an introduction to major facets of theatre performance, production, design, history and literature. The BA is applicable to a wide array of careers and prepares students for graduate study in theatre and related fields. The Bachelor of Fine Arts curriculum provides intense preparation for students desiring to become competent and knowledgeable professionals in all areas of theatre. All Theatre majors are required to audition for productions and to contribute to all productions, either as cast members or as production crew.

Program founded: Theatre productions were part of Kansas State Normal School as early as 1913, making this one of the oldest theatre programs in the country. The department was reorganized as the Department of Speech in 1926. Currently the Theatre program is part of the Department of Communication and Theatre.

The degree to which the program supports the university's mission, strategic plan, or goals: The Theatre program supports ESU's mission's emphasis on lifelong learning and rewarding careers through its commitment to the liberal arts as an expression of culture and a pathway to personal growth, and through its development of knowledge and skills required for the professional practice of theatre. The Theatre program supports the goals of ESU's strategic plan in multiple ways: 1) The goal of distinctive initiatives in curricula is supported by unique, specialized paths within the BFA. 2) The goal of graduating students ready for life and career is supported by the program's success in preparing the next generation of theatre scholars, artist-educators, performers, and designers. 3) The goal of diversity, equity, and inclusion is supported by the program's emphasis on programming that confronts the complex dynamics of contemporary culture and helps spectator, practitioner, and student better appreciate our similarities and respect our differences.

Program productivity beyond number of majors: ESU Theatre is one of the most visible and valued aspects of the university's outreach to the community. The program's productions attract audience members from the local community, from across the state of Kansas, and from more than a dozen different states. During the truncated 2019-2020 season, 2356 people attended productions, more than half of whom were non-students.

Cost effectiveness: The Theatre program is relatively expensive due to the non-standard instructional modes and high overhead typical of Theatre instruction. However, the program generates revenue through ticket sales, sales of advertisements in programs, and costume rentals. The program also actively solicits Theatre Guild members, alumni, and friends of the program to

support student scholarships. This academic year, 24 students, both majors and non-majors, are being provided scholarships through these donations.

Direct Instructional Expenditures

Source	FY 2020
<u>Salaries[1]</u>	\$ 364,632.39
<u>Benefits[2]</u>	\$ 150,233.48
<u>Other Personnel Expenditures[3]</u>	\$ 17,261.00
Total	\$ 532,126.87

Sources that Support the Program

Source	FY 2020
<u>Tuition[1]</u>	\$ 164,784.99
<u>Fees[2]</u>	\$ 73,396.65
State Funds	
Other Sources	
Productions - Ticket Sales	\$ 42,859.00
Performing Arts Board	\$ 50,180.00
Revenues from Private Donors Endowed Funds (Non-Scholarship)	\$ 9,400.00
Total	\$ 340,620.64

Net Revenue (Loss)	\$ (191,506.23)
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Employment demand (current and future): The Theatre program trains students for various careers, including as actors, directors, set designers, lighting and sound designers, and stage managers. Greater diversity of entertainment media and venues and the rise of internet-only platforms have increased employment demand for many of these careers. According to the US Bureau of Labor Statistics, the demand for actors is projected to grow 3% from 2019 to 2029,

which is on par with all other occupations. Employment of producers and directors is expected to grow 10%, which is “much faster than the average for all occupations.” The outlook for broadcast and sound engineering technicians is expected to grow 9%.

Program strengths and weaknesses: The Theatre program is known for its high-quality productions, excellent student performances, and successful alumni. The seven-state regional Kennedy Center American College Theatre Festival offers examples as evidence: This past year, eight ESU Theatre students were selected to participate in the Irene Ryan acting auditions, seven won awards at the final awards ceremony, and costumes from *Romeo & Juliet* were selected to participate in the costume parade. ESU Theatre alumni work at a variety of professional companies, attend(ed) graduate schools, and teach at universities and secondary schools around the country. As recently as 2019, alumnus Robbie Young received ESU’s Distinguished Alumni Award.

The program’s primary weaknesses are related to resources and staffing, with the current lack of a faculty costume designer as a particular limitation. Post-graduation tracking of alumni needs to improve in order to more effectively recruit students and build the program’s brand.

Recommendation: Continue the program, but with additional review of its costs and funding as a part of ESU’s comprehensive budget reduction process in Spring 2021.

Justification for Recommendation

The Theatre program’s 5-year average enrollment of 24 juniors and seniors is only one student short of the KBOR minimum of 25. But the program’s enrollment is actually higher than that; theatre students pursuing the Speech/Theatre BSE for teacher licensure are counted as Communication majors for the purposes of Program Review. The Theatre program also plays a central role in the university’s outreach mission and supplies a key component of the campus’s and community’s cultural life. While the program’s quality and contributions are well established, its expense prompts further assessment in the broader context of the university’s budget challenges.

History, General

Average number of majors: 24

Average number of graduates: 12

Faculty Profile

Number of faculty dedicated solely to the program: Five full-time faculty members are assigned to the History program in the Department of Social Sciences. The five faculty members generally teach two general education courses per semester, which also serve as core courses for the major. Each of them teaches one upper-division course each semester, which counts as a core or elective course for the major and for the BSE in Social Sciences Education, which serves

History and Political Science majors seeking teacher licensure. Finally, each faculty member teaches one online graduate course per semester to support the growing, online MA in History program. Several undergraduate course sections are available online each semester, which serves not only History and BSE-Social Sciences Education majors but also students in the Interdisciplinary Studies and Ethnic & Gender Studies programs.

Number of department faculty teaching core courses in the program: 5

Number of department faculty teaching elective courses in the program: 5

Number of department faculty teaching general education courses: 18

Program Narrative

Program founded: The History program has been at ESU since 1947, according to ESU Libraries and Archives.

The degree to which the program supports the university’s mission, strategic plan, or goals: Consistent with the university’s mission of “preparing students for lifelong learning, rewarding careers, and adaptive leadership,” the History program offers an education that is practical and widely applicable due to its emphasis on the development of critical thinking, communication, and problem-solving skills. The wide availability of high-impact learning opportunities such as internships and faculty-mentored student research supports Goal 1 of ESU’s Strategic Plan, “Pursue distinctive initiatives in curricula and programs.”

Program productivity beyond number of majors: The five-year (2014-2018) average number of undergraduate History majors was **40**, including **24** juniors and seniors, one student short of the KBOR headcount minima. *However, the AY 2020 headcount was 25, which meets the minimum standard.* The 2014-2018 average number of graduates was **13**, which exceeded the KBOR target. It is important to note that 80-90 additional History and Political Science students are typically enrolled in the BSE program in Social Sciences Education, and while technically they do not count as enrollees in either content program, for all practical purposes they are History or Political Science majors.

Cost effectiveness: The History program operates efficiently and cost-effectively, generating significant net revenue for the university.

Direct Instructional Expenditures

Source	FY 2020
Salaries[1]	\$ 297,627.97
Benefits[2]	\$ 82,467.81
Other Personnel Expenditures[3]	\$ 2,571.00
Total	\$ 382,666.78

Sources that Support the Program

Source	FY 2020
Tuition[1]	\$ 702,713.86
Fees[2]	\$ 273,084.60
State Funds	
Other Sources	
Total	\$ 975,798.46

Net Revenue (Loss)	\$ 593,131.68
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Employment demand (current and future): The BA and BS in History prepare students for a wide variety of careers in which a broad liberal arts background is essential, including many within private business and government agencies. Since graduates are not limited to a specific kind of work, they are broadly employable, with good career prospects in any healthy economy. The program also serves as excellent preparation for graduate and professional training in such fields as law, history, museum and archival studies, library science, and journalism.

Program strengths and weaknesses: The History program’s curriculum emphasizes not only book-based learning, but also the use, care, and interpretation of primary sources and the availability of attractive internships in archival and museum techniques. One student’s 2019 internship at the Smithsonian Air and Space Museum is a notable example. Carefully crafted rubrics have been developed to ensure proper measurement of student learning, and the History faculty strongly emphasize writing skills throughout the curriculum. The ESU Office of Institutional Effectiveness recognized the program by awarding it the “With Excellence” designation for student outcomes assessment in 2019. History faculty members are highly productive scholars. Their accolades and honors include the following examples:

- Dr. Chris Lovett won the 2019 Edgar Langsdorf Award for Excellence from the Kansas State Historical Society for his work on Samuel Crumbine.
- Dr. Greg Schneider, ESU’s 2019 Roe R. Cross Distinguished Professor, wrote the book *Rock Island Requiem*, positively reviewed in the *Wall Street Journal*. He also served recently as President of the Faculty.

- Dr. Màire Johnson recently served as President of the American Society of Irish Medieval Studies.
- Dr. Amanda Miracle won the Schillinger award for service to ESU women in 2017.

The History program's faculty and students are highly engaged with the university and the broader public. The ESU Veterans' Roundtable is hosted by the History faculty, and at this time the leadership of the Student Veterans Association are all students in the Department of Social Sciences. The Department's annual Constitution Day celebration draws over 500 students from across Kansas, and to our knowledge is one of the largest Constitution Day celebrations in the U.S.

Recommendation: Continue the program.

Justification for Recommendation

With only five full-time faculty members, the History program operates efficiently and produces net revenue for the university. Approximately one half of the faculty's teaching assignments comprise general education courses. The program's upper-division core and elective courses serve not only History majors, but also BSE-Social Sciences Education majors and Interdisciplinary Studies majors, while graduate courses taught by these same faculty members serve the online MA in History program. If the undergraduate major in History were discontinued, most of these courses would still have to be offered.

As noted above, enrollment in the History program is actually quite healthy if BSE students, counted separately for technical reasons, are taken into account.

Review of Low-Enrollment Undergraduate Programs Under Strategic Program Alignment

Pittsburg State University

Overview

Program review is the periodic and comprehensive self-assessment of all academic programs offered. The Pittsburg State University program review process is formative in nature and designed to enhance overall institutional quality and accountability. The focus is on providing campus-wide input to help departments align programs with the institutional assessment process, institutional strategic planning, and resource allocation. Program review is the primary opportunity that departments have to conduct a comprehensive self-study in order to demonstrate that programs are current, of sufficient size and quality, and help the institution serve its mission.

Through the course of the last decade, the program review process at Pitt State has identified many programs needing targeted improvement, complete restructure, or even discontinuance. The following graphic depicts programs that were closed.

Academic Programs Discontinued by Year						
Year	Graduate Degree	Undergraduate Degree	Certificate	Minor	Emphasis	Total by Year
2009		1			2	3
2010		1				1
2011		3	1		4	8
2012	1					1
2013				1		1
2014	1	1			1	3
2015	1					1
2016	1	3			2	6
2017		2		2	1	5
2018	2			1	8	11
2019		1			8	9
In process		3				3
Total by Level	6	15	1	4	26	52

Table 1

In December 2019, the PSU Division of Academic Affairs initiated a Strategic Visioning/*Return on Investment Modeling* process with the following goals identified:

1. Categorize programs for enhancement, maintenance, or monitoring,
2. Identify opportunities for re-organization in order to optimize efficiency and enhance delivery, and
3. Identify possible new programs, with an emphasis on those with potential for enrollment growth and revenue generation.

The Delivery Approach which focuses primarily on efficiency and productivity was selected as the research model. The enrollment demand and yield, workforce trends, and net revenue of each program and emphasis was examined. Enrollment and revenue data have been updated to reflect AY 20 figures and are referenced throughout this report.

The Kansas Board of Regents approved a plan that required all state universities to review all active undergraduate low-enrollment (based on minima) programs that are at least five years old in June of 2020. This strategic program alignment process was developed with a general framework focused on examining institutional fit and viability.

Low Enrollment Programs per KBOR (April, 2020)

Updated November 2020

Program	Average Number of Majors ¹	Average Number of Graduates ²	Notes	AY20 Majors/Grads
GRAPHIC DESIGN.	6	20 (meets graduation threshold)	Discontinued program. Completely phased out (2017-18).	0/0
FRENCH LANGUAGE TEACHER EDUCATION.	3	1	Discontinued program. Completely phased out (2019-20).	0/0
PSYCHOLOGY TEACHER EDUCATION.	1	2	Discontinued program. Completely phased out (2019-20).	0/0
SPANISH LANGUAGE AND LITERATURE. ³	1	5	Discontinued program. Completely phased out (2019-20).	0/0

Program	Average Number of Majors ¹	Average Number of Graduates ²	Notes	AY20 Majors/Grads
SPANISH LANGUAGE TEACHER EDUCATION. ³	19	2	Discontinued program. Completely phased out (2019-20).	0/0
BIOLOGY TEACHER EDUCATION. ⁵	9	3	Discontinued program. Completely phased out (2024-25).	10/2
CHEMISTRY TEACHER EDUCATION. ⁵	4	1	Discontinued program. Completely phased out (2024-25).	0/1
PHYSICS TEACHER EDUCATION. ⁷	1	N/A	Discontinued program. Completely phased out (2024-25).	2/0
FAMILY AND CONSUMER SCIENCES/HOME ECONOMICS TEACHER EDUCATION. ⁴	17	6	Discontinued program. Completely phased out (2025-26).	19/6
MATHEMATICS TEACHER EDUCATION. ⁷	18	6	Discontinued program. Completely phased out (2025-26).	20/8
TEACHER EDUCATION AND PROFESSION DEVELOPMENT, SPECIFIC SUBJECT AREAS, OTHER. ⁴ (<i>Communication Teacher Education</i>)	5	2	Discontinued program. Completely phased out (2025-26).	8/2
CLINICAL LABORATORY SCIENCE/MEDICAL TECHNOLOGY/ TECHNOLOGIST. ⁵ (<i>Biology, Medical Technology</i>)	8	3	Discontinuing program. To be legislated, Spring 2021. Completely phased out (2026-27).	5/2
MATHEMATICS, GENERAL. ⁷	19	6	Discontinued program (BA). Completely phased out (2018-19). Academic support program (BS).	10/2
HISTORY, GENERAL. ⁶	20	10 (meets graduation threshold)	Discontinued program (BA). Completely phased out (2026-27). Academic support program (BS).	16/4
ECONOMICS, GENERAL. (<i>Business Economics</i>)	14	4	Academic support program.	19/9
FOREIGN LANGUAGES AND LITERATURES, GENERAL. ³ (<i>Modern Languages</i>)	12	4	Academic support program.	24/6
GEOGRAPHY. ^{**}	6	5	Academic support program.	8/2
MUSIC PERFORMANCE, GENERAL. [*]	15	4	Academic support program.	16/4
PHYSICS, GENERAL. ⁷	9	3	Academic support program.	11/4
POLITICAL SCIENCE & GOVERNMENT, GENERAL. ^{**}	21	7	Academic support program.	28/9
SOCIOLOGY, GENERAL. ^{**}	13	6	Academic support program.	9/1
MULTI-/INTERDISCIPLINARY STUDIES, OTHER. (<i>Bachelor of Integrated Studies</i>)	21	9	Interdisciplinary and Coordinated program.	15/8
POLYMER CHEMISTRY.	3	1	Interdisciplinary and Coordinated program.	10/3
INTERIOR DESIGN.	17	5	New program (2016). Initial program review AY22.	22/5
INTERNATIONAL BUSINESS/TRADE/COMMERCE.	23	8	Monitoring Program for Improvement.	25/9

Table 2

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018.

² Represents the 5-year average number of program graduates between 2014-2018.

³ Due to the incapability of determining the degree code of the major, the major count could be either BA (Spanish Language and Literature) or BSE (Spanish Language Teacher Education).

⁴ Creating an emphasis under the existing BS degree aligns with *Return on Investment Modeling* recommendation and moves this program into the *high demand, high yield, high degrees* category.

⁵ Creating an emphasis under the existing BS degree aligns with *Return on Investment Modeling* recommendation and moves this program into the *high demand, low yield, high degrees* category.

⁶ Creating an emphasis for teaching certification students under the existing BA degree aligns with *Return on Investment Modeling* recommendation and moves this program into the *high demand, high yield, low degrees* category.

⁷ Creating an emphasis under the existing BS degree aligns with *Return on Investment Modeling* recommendation and moves this program into the *high demand, low yield, low degrees* category.

Table 2 above begins by documenting the 13 programs that have been discontinued or are being discontinued via administrative and legislative process most recently, including the academic year in which they will be completely phased out. This phase follows industry standard and provides students in the closed major a “teach out” period of 150% of the expected time to completion. For baccalaureate degrees, this is typically six years. Because no new student enrollment is allowed during this period, numbers of majors

and numbers of degrees completed should wane. Some programs strongly encourage students to “grandfather” into another program and a sharp decline can be seen.

It is worth noting that to support the regional or national need for secondary educators, the programs highlighted in pale green have been discontinued with the intention that a teacher preparation emphasis will be developed under each content area. These programs completed the PSU program review process during AY19. The following feedback is an excerpt of a response provided by the Program Review Committee.

“Given that program enrollment and student degree completion are significant concerns, the Program Review Committee requests the BSEd, Communication program submit a plan of action. This plan is due to the Provost, the Dean and copied to the Program Review Committee by December 13, 2019 and include:

1. *Determine if the bachelor of science in education is the best format for the program and department to meet the needs of pre-service secondary teachers,*
2. *How the program will raise the enrollment of majors and number of degrees awarded annually to meet Regents’ minima requirements, and*
3. *How the program will raise the Junior-to-Senior progression rate to address program attrition.”*

Creating a secondary education licensure emphasis within the content area moves each of these programs into a *high demand* quadrant per feedback from PSU’s recent Strategic Visioning/*Return on Investment Modeling* process. More detail is provided in the appendix of the table above. This considerably improves their market positioning in relation to prospective student interest. Further, the plans of action submitted by these departments delineate intentional recruitment and retention efforts.

Specific Programs Reviewed

Referring once again to the notes in Table 2, the majors individually examined below are designated by status as Academic Support Programs, Interdisciplinary & Coordinated Programs, New, or Monitoring for Improvement.

Mathematics:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
MATHEMATICS, GENERAL. (BS)	19	12	10	6	6	2	10.5	Academic Support Program (ASP)
Description	The Bachelor of Science in Mathematics degree prepares students for a career in mathematics or to pursue a graduate degree in mathematics. Within the BS degree, we also offer an optional emphasis in Actuarial Science. The Actuarial Emphasis provides Validation by Educational Experience (VEE) credit and prepares students to sit for the first two actuarial exams. In addition, the department hosts a problem-solving group and provides opportunities for research with faculty members.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses with the MATH prefix produced 6,949 undergraduate Student Credit Hours. In Fall 2020, there were 35 students with a Math minor.
- Courses from within the Math major fulfill the Quantitative/Analytic Methods and Scientific Literacy requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will analyze data logically.” learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$979,063	Undergraduate Tuition ⁴ & Fees ⁵	\$1,376,717
		State Funds & Other Sources	
		Total Support	\$1,376,717
Undergraduate Tuition Less Faculty Costs			\$ 397,654

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	67%	
Median earnings of program graduates in region	Upon entry	\$23,680
	After 5 years	NA

Integrated Postsecondary Education Data System	
<i>2018 data for 25 to 29-year old bachelor degree holders</i>	
Median annual earnings by field of study (\$50,600 median overall)	NA
Average unemployment rates by field of study (2.9% average overall)	NA
Occupational Outlook Handbook 2020	
<i>By occupation category for bachelor degree holders with no on-the-job training</i>	
Projected number of new jobs	NA
Projected growth rate	3%
2019 median pay	\$105,030❖

❖Note: A 3% increase (4% increase in all fields overall) is projected over the next ten years in mathematician jobs per the Occupational Outlook Handbook but, typically requires a master's degree and OOH reports median annual wages as such.

Recommendation: **Continue program.**

History:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
HISTORY, GENERAL. (BS)	20	10	16	10	7	4	6.5	Academic Support Program (ASP)
Description	The Bachelor of Science in History students enjoy a great deal of flexibility in designing their program. With the assistance of their faculty advisors, students choose a minimum of 12 hours of American history and 12 hours of World history, and then they choose an additional 9 hours in their favorite content fields. Recent offerings include the histories of World War II, American Medicine, the American West, the Samurai, Modern Ireland, the Modern Middle East, and the Opioid Crisis. Lecture courses, small colloquium/seminar sections, and internships (100 percent placement rate) all offer excellent student-teacher ratios and mentoring for students embarking upon that voyage of discovery. Students in the program choose a minor based on their interests and desired careers. Among the wide variety of minors available are Political Science, Geography, Philosophy, Art, English, Spanish, French, Women's Health, Multicultural Studies, and Military Science.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses with the HIST prefix major 2,969 undergraduate Student Credit Hours. In the Fall of 2020, there were 14 students with a declared minor of History.
- The BS in History serves as a stepping stone to the graduate program in History, which had 39 declared majors in AY20. It is a nationally recognized fully-online History MA degree.
- Courses from within the History major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the "Students will explore global systems conscientiously." learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$517,978	Undergraduate Tuition ⁴ & Fees ⁵	\$588,210
		State Funds & Other Sources	
		Total Support	\$588,210
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$ 70,232

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	73%	
Median earnings of program graduates in region	Upon entry	\$15,354
	After 5 years	\$46,981
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$45,100	

Average unemployment rates by field of study (2.9% average overall)	3.6%
Occupational Outlook Handbook 2020	
<i>By occupation category for bachelor degree holders with no on-the-job training</i>	
Projected number of new jobs	NA
Projected growth rate	Slower than average
2019 median pay	\$63,680❖

❖Note: A 3% increase (4% increase for all fields overall) is projected over the next ten years in historian jobs per the Occupational Outlook Handbook but, typically requires a master’s degree and OOH reports median annual wages as such.

Recommendation: **Continue program.**

Business Economics:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
ECONOMICS, GENERAL. (BBA) <i>(Business Economics)</i>	14	18	19	4	7	9	5.0	Academic Support Program (ASP)
Description	A major in Economics is designed for students who wish careers in bank management, business forecasting, labor relations, operations analysis, or who wish to pursue managerial positions in governmental and corporate organizations. The study of Economics requires a blend of analytical, evaluative and descriptive skills. Our student-focused, internationally diverse and accomplished faculty offers hands-on learning where we emphasize one of our PSU core values of “by doing learn” throughout our program. Students majoring in Economics apply their knowledge by conducting research as part of their upper-level coursework and compete in PSU’s Undergraduate Research Colloquium. By developing a question to explore; designing a research plan to gather data, analyze that data, and reach conclusions; developing a written report to communicate the results, and presenting the results to faculty, our students move beyond the lecture environment to being able to extend their education to real-world situations. We also have a low student-to-faculty ratio allowing students to get extensive interaction with the faculty and become more than just a face in a classroom.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Issues of low-enrollment and failure to meet minima for the number of graduates was cited in the AY19 program review.
- Faculty responded with three changes: 1) rename and rebrand the program, 2) update the curriculum, and 3) change the CIP code.
- Dean set expectations of:
 - Market the rebranding of the program to improve enrollment.
 - Assess the updated curriculum.
 - Identify and respond to opportunities relative to the STEM designation.
- Courses with the ECON prefix produced 3,369 undergraduate Student Credit Hours.
- Courses from within the Business Economics major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will explore global systems conscientiously.” learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$545,122	Undergraduate Tuition ⁴ & Fees ⁵	\$720,949
		State Funds & Other Sources	
		Total Support	\$720,949
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$ 175,826

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	59%	
Median earnings of program graduates in region	Upon entry	\$15,164
	After 5 years	\$32,557
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		

Median annual earnings by field of study (\$50,600 median overall)	\$64,900
Average unemployment rates by field of study (2.9% average overall)	2.3%
Occupational Outlook Handbook 2020	
<i>By occupation category for bachelor degree holders with no on-the-job training</i>	
Projected number of new jobs	NA
Projected growth rate	Much faster than average
2019 median pay	\$105,020❖

❖Note: A 14% increase (4% increase for all fields overall) is projected over the next ten years in economist jobs per the Occupational Outlook Handbook but, typically requires a master’s degree and OOH reports median annual wages as such.

Recommendation: **Continue program.**

Modern Languages:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
FOREIGN LANGUAGES AND LITERATURES, GENERAL. (BA) <i>(Modern Languages)</i>	12	16	24	4	6	6	4.0	Academic Support Program (ASP)
Description	A Modern Languages undergraduate degree will provide you with a broader understanding of the culture of your chosen language with exposure to historical, literary, and social artifacts of that culture. The program is designed with language fluency in mind. Our faculty have designed a robust regimen of coursework to improve students’ speaking, listening, reading, and writing skills. Pittsburg State provides intermediate upper-level students (4th semester and above) with intense weekly sessions with a native speaker. Students in these sessions quickly improve their language skills and gain a better appreciation for the culture. The teacher certification emphasis also prepares students to teach at the middle or secondary level.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses from within the Modern Languages major produced 1,618 undergraduate Student Credit Hours.
- Courses from within the Modern Languages major fulfill the foreign language requirement of all bachelor of arts degrees. In Fall 2020, there were 74 students with a Spanish minor and 10 with a French minor.
- Courses from within the Modern Languages major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will explore global systems conscientiously.” learning outcome.
- Program is currently under review by the PSU Program Review Committee. Feedback from this reporting process will be incorporated into that proceeding.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$299,431	Undergraduate Tuition ⁴ & Fees ⁵	\$320,554
		State Funds & Other Sources	
		Total Support	\$320,554
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$ 21,123

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	83%	
Median earnings of program graduates in region	Upon entry	\$40,366
	After 5 years	\$52,384
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$45,400❖	

Average unemployment rates by field of study (2.9% average overall)	3.7%
Occupational Outlook Handbook 2020	
<i>By occupation category for bachelor degree holders with no on-the-job training</i>	
Projected number of new jobs	10,000 – 50,000
Projected growth rate	Much faster than average
2019 median pay	\$40,000 - \$60,000❖

Note: Integrated Postsecondary Education Data System data is reported for Translator/Literature & Languages as “Modern Languages” was not available.

Recommendation: **Continue program.**

Geography:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
GEOGRAPHY. (BS)	6	4	8	5	3	2	3.0	Academic Support Program (ASP)
Description	Geography students acquire superior skills in critical thinking and analysis, dynamic communication, computer usage, and analysis in a number of software areas. We strive to keep students on the cutting edge of technology. These technological skills, critical thinking skills, and the overall applied nature of a geography education provide students with abilities that are in demand at public and private agencies. Students also gain the expert knowledge and training they need to pursue admission to graduate programs, if that is part of their career plan.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses from within the Geography major produced 2,891 undergraduate Student Credit Hours. Six students currently have declared a Geography minor.
- Courses from within the Geography major count towards the undergraduate certificates in Geographic Information Systems and Sustainability Leadership.
- Courses from within the Geography major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will explore global systems conscientiously.” learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$263,893	Undergraduate Tuition ⁴ & Fees ⁵	\$572,757
		State Funds & Other Sources	
		Total Support	\$572,757
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$308,864

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	59%	
Median earnings of program graduates in region	Upon entry	\$15,164
	After 5 years	\$32,557
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	NA	
Average unemployment rates by field of study (2.9% average overall)	NA	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	0 – 1,000	
Projected growth rate	Declining	
2019 median pay	\$81,540❖	

❖Note: A 1% decrease (4% increase for all fields overall) is projected over the next ten years in geographer jobs per the Occupational Outlook Handbook but, typically requires a master’s degree and OOH reports median annual wages as such.

Recommendation: **Continue program.**

Music:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
MUSIC PERFORMANCE, GENERAL (BM)	15	17	16	4	2	4	12.57	Academic Support Program (ASP)
Description	The Bachelor of Music degree is designed for the gifted musical performer who aspires for a career in college teaching, private teaching, or professional performance. Students choose between the two emphases: Instrumental Performance and Vocal Performance. The Bachelor of Arts degree follows the broadest aspect of a college education with an emphasis in music. The degree can prepare one for graduate study leading to the Master of Arts and Doctor of Philosophy degrees, as well as careers based on cultural concerns or in music-related fields. This degree can also be oriented toward pre-professional or social and/or business opportunities. The department of Music programs are accredited by the National Association of Schools of Music (NASM).							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses with the MUSIC prefix produced 3,262 undergraduate Student Credit Hours. In the Fall of 2020, there were 43 students with a declared minor of Music.
- Courses from within the Music major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will explore global systems conscientiously.” learning outcome.
- The Music programs and department provide a significant contribution to the Arts regionally, generating immeasurable goodwill in the local community. Music students and faculty contribute hundreds of contact hours with community members annually. These hours support PSU’s strategic plan, the *Pathway to Prominence*, core value of Community and were documented by the University Committee on Student Learning in the AY18 committee report.
- The program is currently under review by the PSU Program Review Committee. Feedback from this reporting process will be incorporated into that proceeding. As part of this review process, the Music department determined to merge all bachelor level degrees into one program with distinct emphases.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$1,036,045	Undergraduate Tuition ⁴ & Fees ⁵	\$646,258
		State Funds & Other Sources	
		Total Support	\$646,258
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$(389,787)

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	80%	
Median earnings of program graduates in region	Upon entry	\$28,708
	After 5 years	\$37,802
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$40,500❖	
Average unemployment rates by field of study (2.9% average overall)	3.7%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	NA	
Projected growth rate	Slower than average	
2019 median pay	\$30.39/per hour❖	

❖ Note: Integrated Postsecondary Education Data System data is reported for Fine Arts as “Music Performance” was not available.

Recommendation: **Continue program.**

Physics:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
PHYSICS, GENERAL. (BS)	9	10	11	3	1	4	5.0	Academic Support Program (ASP)
Description	The Bachelor of Science degree in Physics is offered with a variety of 7 different emphases. Of these emphases, 3 are designed for students planning to seek graduate study: Professional, Solid State Physics, and Astrophysics. The other 3 are designed for students going directly into the workforce after graduating: Polymer Physics, Engineering Technology, Secondary Education, and the Customized Option.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses with the PHYSICS prefix produced 3,593 undergraduate Student Credit Hours. Courses with the PHYSICS prefix support the Physical Sciences and minor; currently, there are 91 students pursuing this minor.
- Upper level Physics courses are a required component of PSU's Engineering Technology degrees. Physics courses also support the new MS in Materials Science, which recognized its first three graduates last spring.
- Courses from within the Physics major fulfill the Quantitative/Analytic Methods and Scientific Literacy requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the "Students will analyze data logically." learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$349,936	Undergraduate Tuition ⁴ & Fees ⁵	\$711,835
		State Funds & Other Sources	
		Total Support	\$711,835
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$361,900

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	33%	
Median earnings of program graduates in region	Upon entry	NA
	After 5 years	\$99,437
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$47,600❖	
Average unemployment rates by field of study (2.9% average overall)	3.4%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	Declining	
Projected growth rate	Decline	
2019 median pay	\$80,000❖	

❖ Note: Occupational Outlook Handbook and Integrated Postsecondary Education Data System data is reported for Physical Sciences as "Physics" was not available.

Recommendation: **Continue program.**

Political Science:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
POLITICAL SCIENCE AND GOVERNMENT, GENERAL. (BA)	21	26	28	7	8	9	2.75	Academic Support Program (ASP)

Description	The Bachelor of Arts degree with a major in Political Science is an excellent liberal arts background for students preparing for careers in which critical thinking and writing skills, as well as an understanding of politics and government, is either essential or desirable.
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¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses with the POLI SCI prefix produced 2,262 undergraduate Student Credit Hours. In the Fall of 2020, there were 14 students with a declared minor of Political Science.
- As a result of the AY17 Program Review process, the BA in International Studies was merged into the BA in Political Science.
- Courses from within the Political Science major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will explore global systems conscientiously.” learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$211,679	Undergraduate Tuition ⁴ & Fees ⁵	\$448,141
		State Funds & Other Sources	
		Total Support	\$448,141
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$236,462

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	50%	
Median earnings of program graduates in region	Upon entry	NA
	After 5 years	\$32,373
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$50,600	
Average unemployment rates by field of study (2.9% average overall)	4.2%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	NA	
Projected growth rate	Faster than average	
2019 median pay	\$122,220❖	

❖Note: A 6% increase (4% increase for all fields overall) is projected over the next ten years in political science jobs per the Occupational Outlook Handbook but, typically requires a master’s degree and OOH reports median annual wages as such.

Recommendation: **Continue program.**

Sociology:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
SOCIOLOGY, GENERAL. (BA)	13	5	9	6	2	1	3.0	Academic Support Program (ASP)
Description	As the foundation of many fields of study, including social work, gerontology, demography, and criminal justice, sociology serves as a valuable liberal arts major for students planning careers in a wide variety of fields, including law, law enforcement, criminology, social services, public administration, community planning, international relations, and market research. Sociology’s concentration on such social factors as race, ethnicity, gender, age, education, and social class also make it an excellent foundation for working in today’s multiethnic, multinational business world.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Courses with the SOC prefix produced 2,697 undergraduate Student Credit Hours. Nineteen students currently have declared a Sociology minor.
- Courses from within the Sociology major count towards the undergraduate certificate in Sustainability Leadership and the BS in Social Work.

- Courses from within the Sociology major fulfill the Global Understanding and Civic Engagement requirements of the Pitt State Pathway (General Education) curriculum, supporting achievement of the “Students will explore global systems conscientiously.” learning outcome.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$258,708	Undergraduate Tuition ⁴ & Fees ⁵	\$534,322
		State Funds & Other Sources	
		Total Support	\$534,322
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$275,615

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	50%	
Median earnings of program graduates in region	Upon entry	NA
	After 5 years	\$33,028
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$43,100	
Average unemployment rates by field of study (2.9% average overall)	2.7%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	NA	
Projected growth rate	Average	
2019 median pay	\$83,420❖	

❖Note: A 4% increase (4% increase for all fields, as well) is projected over the next ten years in sociologist jobs per the Occupational Outlook Handbook but, typically requires a master’s degree and OOH reports median annual wages as such.

Recommendation: **Continue program.**

Integrated Studies:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
MULTI-/INTERDISCIPLINARY STUDIES, OTHER. (BIS) <i>(Bachelor of Integrated Studies)</i>	21	21	15	9	9	8	0	Interdisciplinary & Coordinated Program (ICP)
Description	The Bachelor of Integrated Studies degree provides a means for the creation of interdisciplinary programs. The degrees are aimed at providing an education that is a basis for life-long learning while equipping students to work in areas that are underserved by established disciplines. Emphases include: Analytics, Fraud Examination, Liberal Studies, and Sustainability, Society, and Resource Management.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Program is currently under review by the PSU Program Review Committee. Feedback from this reporting process will be incorporated into that proceeding.
- Program has no dedicated faculty, leveraging existing courses to build the emphasis areas within the degree.
- The Sustainability, Society, and Resource Management emphasis of the degree is a targeted response to Sustainability as a component of the university’s strategic plan.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	NA	Undergraduate Tuition ⁴ & Fees ⁵	NA
		State Funds & Other Sources	
		Total Support	
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			NA

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	64%	
Median earnings of program graduates in region	Upon entry	\$31,776
	After 5 years	NA
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$47,800	
Average unemployment rates by field of study (2.9% average overall)	4.8%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	NA	
Projected growth rate	NA	
2019 median pay	NA	

Recommendation: **Continue program.**

Polymer Chemistry:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
POLYMER CHEMISTRY. (BS)	3	5	10	1	1	3	2.25	Interdisciplinary & Coordinated Program (ICP)
Description	Polymer Chemistry at PSU offers a Bachelor of Science degree. It is housed within the Department of Chemistry of the College of Arts and Sciences, but because of its interdisciplinary nature it also connects with the Plastics Engineering Program in the College of Technology and Kansas Polymer Research Institute at the Tyler Research Center. It consists of two main components: coursework and hands-on research experience in selected areas of polymer science.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- Program Review Committee feedback for AY20 recommended a specific plan of action to increase enrollment, graduates, and upper level retention be developed and implemented. The external reviewer noted the need to emphasize undergraduate student recruitment.
- The BS in Polymer Chemistry, one of only three in the U. S., serves as a stepping stone to the MS in Polymer Chemistry, which had 10 declared majors in AY20.
- The curriculum includes existing Chemistry and Plastics Engineering Technology courses which allows PSU to leverage those resources. Also, the nature of the BS and MS curricula and the unit structure suggests that “virtually all of the costs would remain if either of the two different level Polymer Chemistry programs were not present,” per the external reviewer.
- The Polymer Chemistry academic programming is intentionally partnered with the Kansas Polymer Research Center (KPRC) as a University Strategic Initiative. The Kansas Polymer Research Center (KPRC) is a leading center in the development of new bio-based polymer materials. With a well-developed expertise in polymers and a history of performing applied research for several industries, we assist our partners in developing, processing, and testing new materials for licensing and commercial applications.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$119,493	Undergraduate Tuition ⁴ & Fees ⁵	\$ 106,686
		State Funds & Other Sources	\$1,009,386
		Total Support	\$1,116,072
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$ 996,579

Kansas DegreeStats
<i>Wage information for graduates of specific PSU programs</i>

% of program graduates employed in region	38%	
Median earnings of program graduates in region	Upon entry	NA
	After 5 years	\$99,437
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$47,600❖	
Average unemployment rates by field of study (2.9% average overall)	3.4%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	1,000 – 5,000	
Projected growth rate	Faster than average	
2019 median pay	\$60,000 - \$80,000❖	

❖ Note: Occupational Outlook Handbook and Integrated Postsecondary Education Data System data is reported for Chemist as “Polymer Chemistry” was not available.

Recommendation: **Continue program.**

Interior Design:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
INTERIOR DESIGN. (BS)	17	16	22	5	6	5	2.0	New Program (NP)
Description	Polymer Chemistry at PSU offers a Bachelor of Science degree. It is housed within the Department of Chemistry of the College of Arts and Sciences, but because of its interdisciplinary nature it also connects with the Plastics Engineering Program in the College of Technology and Kansas Polymer Research Institute at the Tyler Research Center. It consists of two main components: coursework and hands-on research experience in selected areas of polymer science.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- KBOR approval of major on January 20, 2016.
- Initial program review scheduled for AY22.
- Increase in total number of majors enrolled from 30 in F16 to 45 in F20.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$173,710	Undergraduate Tuition ⁴ & Fees ⁵	\$103,807
		State Funds & Other Sources	
		Total Support	\$103,807
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$(69,903)

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	71%	
Median earnings of program graduates in region	Upon entry	\$44,000
	After 5 years	NA
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	NA	
Average unemployment rates by field of study (2.9% average overall)	NA	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		

Projected number of new jobs	Declining
Projected growth rate	Decline
2019 median pay	\$40,000 - \$60,000

Recommendation: **Continue program. Evaluate potential for growth during initial program review next academic year (AY22).**

International Business:

Program	Number of Majors			Number of Graduates			FY21 Faculty FTE	KBOR Status
	Average ¹	AY19	AY20	Average ²	AY19	AY20		
INTERNATIONAL BUSINESS/TRADE/COMMERCE. (BBA)	23	19	25	8	6	9	0.50	Monitor Program for Improvement (MPI)
Description	The International Business program allows students to develop and understand business tactics and strategies as they relate to a changing international marketing place. All taught by business professionals in settings that encourage individual excellence and collaborative achievement. Setting this program apart from others is its requirement that students take part in an international experience. Our faculty will help you develop a plan that fits your career goals. Study abroad trips, international internships and exchange programs in locations such as Brazil, China, Finland, France, Korea, Paraguay and many other locations are available.							

¹ Represents the 5-year average number of juniors and seniors majoring in a program each fall between 2014-2018. ² Represents the 5-year average number of program graduates between 2014-2018.

Considerations:

- A Kelce College of Business faculty task force evaluated potential of the program in AY 20, concluding that with an active champion the program does have considerable potential.
- Appoint volunteer program coordinator for AY21, with intent to reevaluate for the long-term.

Direct Instructional Expenses	FY2021	Sources of Program Support	FY2020
Salaries ¹ & Benefits ²	\$52,319	Undergraduate Tuition ⁴ & Fees ⁵	\$117,087
		State Funds & Other Sources	
		Total Support	\$117,087
Undergraduate Tuition Less Faculty Costs (Salaries & Benefits)			\$ 64,768

Kansas DegreeStats		
<i>Wage information for graduates of specific PSU programs</i>		
% of program graduates employed in region	86%	
Median earnings of program graduates in region	Upon entry	\$38,072
	After 5 years	\$46,168
Integrated Postsecondary Education Data System		
<i>2018 data for 25 to 29-year old bachelor degree holders</i>		
Median annual earnings by field of study (\$50,600 median overall)	\$50,600❖	
Average unemployment rates by field of study (2.9% average overall)	2.4%	
Occupational Outlook Handbook 2020		
<i>By occupation category for bachelor degree holders with no on-the-job training</i>		
Projected number of new jobs	21,200	
Projected growth rate	Faster than average	
2019 median pay	\$96,940❖	

❖ Note: Occupational Outlook Handbook and Integrated Postsecondary Education Data System data is reported for Business Management & Administration as “International Business” was not available.

Recommendation: **Continue program under Monitoring for Improvement.**

Other considerations

To further PSU response to the Strategic Program Alignment:

- Three programs not experiencing low enrollment issues are being redesigned as an emphasis under existing BA or BM degrees to align with *Return on Investment Model* recommendations. The English BSE, the Music BME, and the Music BA are following the pattern of building a single, larger content area degree. This moves the English program into the *high demand, low yield, high degrees* category and the Music degree into the *high demand, high yield, high degrees* category. These changes are scheduled for the AY20 legislative process. This model should increase efficiency within the departments, while also creating greater market potential.
- The Geography BS and the Political Science BA faculty are evaluating the costs and benefits of a curriculum redesign to develop a single major in Social Sciences. Similarly, the Sociology and Justice Studies faculty are evaluating the costs and benefits of a curriculum redesign to place Sociology as an emphasis under Justice Studies. These discussions are ongoing. Development of the new curricula is slated for AY22 if approved by the curriculum committee.
- The Kelce College of Business and the College of Arts & Sciences implemented restructuring plans to provide administrative leadership while curtailing department chair expenses.
- The Program Review Committee is discussing how insertion of the KansasDegreeStats, Occupational Outlook Handbook, and IPEDS employment data into the existing academic program review self-study template might best be accomplished. Further, the PRC anticipates working with the Data Governance Committee to design appropriate formulae for the *Return on Investment Modeling* that can be embedded in the process as well.

Summary

Pittsburg State University	
Strategic Program Alignment	
Programs Identified as Low Enrollment	26
Programs Discontinued/Discontinuing	13
Programs Continuing (<i>Academic Support Programs</i>)	9
Programs Continuing (<i>Interdisciplinary & Coordinating Programs</i>)	2
Programs Continuing (<i>New</i>)	1
Programs Continuing (<i>Monitoring for Improvement</i>)	1