

Council of Chief Academic Officers

Wednesday, May 18, 2011
8:30 a.m.
or upon adjournment of SCOCAO
Kathy Rupp Conference Room
Reconvene Noon to 1:15 p.m.
Kathy Rupp Conference Room
1000 SW Jackson Street Suite 520
Kansas Board of Regents

A G E N D A

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1. Approve Minutes of April 20, 2011 [Attachment 1] 2

2. Program Requests
 - a. WSU Request Approval for a Bachelor of Science in Engineering Technology (CIP 15.0000) (SECOND READING) [Attachment 2] 6
 - b. ESU Request Approval to Reorganize the Teachers College and Rename Three Departments in the Teachers College: The current Department of Special Education and School Counseling is being renamed the Department of Counselor Education; the current Department of Psychology, Art Therapy, Rehabilitation, and Mental Health Counseling is being renamed the Department of Psychology; and the current Department of Early Childhood/Elementary Teacher Education is being renamed the Department of Education, Early Childhood, and Special Education [Attachment 3] 24

3. Informational Items
 - a. ESU - *Environmental Biology* concentration within the B.S., M.S., and M.A. Biology degrees renamed Ecology and Biodiversity [Attachment 4] 25
 - b. KU - Graduate concentrations available for the *Masters of Business Administration* from the School of Business: (1) Entrepreneurship and Innovation Concentration; (2) Finance Concentration; (3) Human Resources Concentration; (4) Information Systems Concentration; (5) International Business Concentration; (6) Management; (7) Marketing; and (8) Strategic Management [Attachment 5] 26

4. Other Business

AGENDA MATERIALS DUE	MEETING DATES	LUNCH ROTATION
August 25, 2010	September 15, 2010	KSU
September 20, 2010	October 20, 2010	PSU
October 20, 2010	November 17, 2010	ESU
November 16, 2010	December 15, 2010	WSU
December 15, 2010	January 19, 2011	KU
January 19, 2011	February 16, 2011	KUMC
February 16, 2011	March 16, 2011	Washburn U
March 23, 2011	April 20, 2011	FHSU
April 20, 2011	May 18, 2011	KSU
May 18, 2011	June 15, 2011	PSU

Council of Chief Academic Officers

Wednesday, April 20, 2011
8:30 a.m. – 9:00 a.m.
Kathy Rupp Conference Room
Curtis State Office Building
Reconvene at
12:00 p.m. – 1:15 p.m.
Kathy Rupp Conference Room
Curtis State Office Building
1000 SW Jackson Street Suite 520
Kansas Board of Regents

MINUTES

The Council of Chief Academic Officers met on Wednesday, April 20, 2011 in the Kathy Rupp Conference Room, Curtis State Office Building in Topeka, Kansas at 8:30 a.m. and reconvened in the Kathy Rupp Conference Room at 12:00 p.m.

Members Present:

Larry Gould, Provost, FHSU

Jeffery S. Vitter, Provost and EVC, KU

April Mason, Provost, KSU

Lynette Olson, Provost, PSU

Allen Rawitch, VCAA, KU Med Center

Tes Mehring, Provost, ESU

Rick Muma for Gary Miller, Provost, WSU

Randy Pembroke, VPAA, WU

Gary Alexander, KBOR

Others Present:

Ruth Dyer, KSU; Barbara Romzek, KU; and Keith Pickus, WSU

Staff Present

Jean Redeker, KBOR, Jacqueline Johnson, KBOR, Crystal Puderbaugh, KBOR, Joan Warren, KBOR, and Julene Miller, KBOR

Approve Minutes of March 16, 2011

Larry Gould moved, and April Mason seconded the motion, to approve the Minutes of March 16, 2011, as submitted. No discussion followed. Motion carried.

Program Requests

KU Request Approval of three Dual Title Programs within Ph.D. in Gerontology - Dual Title Programs: Communication Studies and Gerontology (CIP 09.0101), Psychology and Gerontology (CIP 42.0101), Sociology and Gerontology (CIP 45.1101)

Larry Gould moved, and Tes Mehring seconded the motion, to approve the University of Kansas' request for three dual title programs within the Ph.D. in Gerontology - Communication Studies and Gerontology (CIP 09.0101), Psychology and Gerontology (CIP 42.0101), Sociology and Gerontology (CIP 45.1101). There was no discussion. Motion carried.

KU Request Approval for Changing the Name of the Department of Public Administration to School of Public Affairs and Administration within the College of Liberal Arts and Sciences

Larry Gould moved, and April Mason seconded the motion, to approve the University of Kansas' request for changing the name of the Department of Public Administration to School of Public Affairs and Administration within the College of Liberal Arts and Sciences. No discussion followed Motion carried.

KUMC Request Approval to Change the Name of the University of Kansas School of Allied Health to the University of Kansas School of Health Professions

Tes Mehring moved, and Larry Gould seconded the motion, to approve the University of Kansas Medical Center's request to change the name of the University of Kansas School of Allied Health to the University of Kansas School of Health Professions. There was no discussion. Motion carried.

WSU Request Approval for a Bachelor of Science in Engineering Technology (CIP 15.0000) (FIRST READING)

Wichita State University submitted a proposal for a new Bachelor of Science in Engineering Technology (15.0000) for first reading. Please provide Gary Miller and/or Rick Muma with comments prior to the May 2011 meeting.

KU Request Approval for a Ph.D. in Journalism and Mass Communications (09.0102) (FIRST READING)

The University of Kansas submitted a proposal for a Ph.D. in Journalism and Mass Communications (09.0102) for first reading. This program addresses changes in technology, especially the move to the digital environment.

Please provide Jeffrey Vitter with comments. A review by outside consultants will be arranged. After the review and receipt of the report, a second reading will be scheduled.

Informational Items

KSU – Dropping Associate of Science in Military Personnel and Associate of Arts in Military Personnel in the College of Arts and Sciences

KSU New Minor in Nuclear Engineering in the Department of Mechanical and Nuclear Engineering

PSU - New Emphases within the Master of Engineering Technology (15.0000) – Construction Technical Emphasis, Electronics Technical Emphasis, Manufacturing Technical Emphasis, Mechanical Technical Emphasis, and Plastics Technical Emphasis

ESU - Two Concentrations within the Ph.D. in Library and Information Management – Instructional Design Technology and Information Systems

Kansas State University, Pittsburg State University and Emporia State University submitted the above listed informational items. No action is required.

Federal Regulations Regarding Distance Education

Gary Alexander presented information regarding the federal regulations on distance education.

Discussion followed:

- State distance education regulations are varied
- The concerns are more than just the diploma mills
- Questions of concern:
 - Who is offering distance education

- What states offer it
- How many students are participating in distance education
- What is the definition of physical presence
- How is good-faith effort defined
- Contact states where your institution has students participating in your distance education programs for their regulations – relates to federal financial aid
- Kansas is further along with oversight of distance education than other states
- It was suggested that institutions keep their letters of contact to assist them with their good-faith effort
- Currently, there has been no distinction between courses and programs
- What about blended courses – many variations

Foresight 2020 Reporting: Assessing Student Learning, Benchmarks, etc.

Gary Alexander provided information on how the institutions will be submitting Foresight 2020 Reporting. This will be discussed at the August 2011 Board Retreat.

The Council of Chief Academic Officers is serving as the Task Force for making recommendations regarding identifying and measuring foundational skills that institutions will report to the Board of Regents (Strategic Goal Objective 4.10). Institutions are in the process of submitting their student assessment procedures. Gary Alexander will work with the universities, and Joan Warren with the community colleges, regarding these submittals.

The University Research Officers are working on Strategic Goal Objective 5.2., an annual report on university research initiatives designed to meet the needs of the Kansas economy, and will report to the Board in December 2012.

Strategic Goal 6.3, Regents’ universities will demonstrate increased collaboration including alignment within the Kansas higher education system through a biennial report; needs defining and a reporting process.

Discussion followed:

- Submitting student assessment procedures at each university was requested recently
- Performance Agreements and Foresight 2020 need to be incorporated

Meeting recessed at 9:00 a.m.

Meeting reconvened at noon in the Kathy Rupp Conference Room.

Other Business

Libraries

A tiered structure for the library recommendation has been deferred until May 2011. The librarians are discussing outside vendors and implementing a tiered structure.

National Council on Teacher Quality (NCTQ)

Tes Mehring gave an update on NCTQ. She indicated that open records requests are extensive and very specific.

Performance Agreements

BAASC asked institutions to incorporate into their performance agreement the projects that receive earmarked funding. Board staff will look into how to report this within Foresight 2020.

HLC Pathway (Pathways Construction Project: A Proposed New Model for Continued Accreditation)

Pittsburg State University pioneered the HLC Pathway in Kansas and will provide assistance as needed to the other institutions.

Core Outcomes Project

University of Kansas is hosting the Core Outcomes Project this year on October 14, 2011. This year the Core Outcomes Project will work as it has in the past. Next year Kansas State University will host and work on making any necessary changes to the meeting.

There being no further business, meeting adjourned at 1:15 p.m.

Sincerely,

Jeffrey S. Vitter
Provost and Executive Vice Chancellor
University of Kansas

**Request Approval for a Bachelor of Science in Engineering Technology, General (CIP 15.0000)
Wichita State University (FIRST READING)**

Summary and Recommendation

Universities may apply for approval of new academic programs following the guidelines of Appendix G in the Kansas Board of Regents Policies and Procedures Manual. Wichita State University of Kansas has submitted an application for approval of a Bachelor of Science in Engineering Technology General (CIP 15.0000). The proposing academic unit has responded to all of the requirements of the program approval process. Two institutions have programs utilizing this Classification of Instructional Program (CIP) code. The program will be funded through internal reallocation. 03/30/11

Background

<u>Criteria</u>	<u>Program Summary</u>
1. Program Identification	CIP 2000 Classification: 15.0000 – Engineering Technology, General. A program that generally prepares individuals to apply basic engineering principles and technical skills in support of engineers engaged in a wide variety of projects. Includes instruction in various engineering support functions for research, production, and operations, and applications to specific engineering specialties (moved from 15.1101).
2. Academic Unit	College of Engineering
3. Program Description	B.S. Engineering Technology with degree options in Renewable Energy Technology, Aircraft Maintenance Technology, Engineering Technology Management and Mechatronics Technology.
4. Demand/ Need for the Program	<p>Often referred to and regarded as the Air Capital of the World, Wichita is the global leader of aerospace manufacturing and design. According to a Milken Institute study, Wichita has the highest concentration of aerospace manufacturing employment and skills in the nation. Aerospace is the engine that generates new wealth and job creation in the local, regional, and state economies. Due to significant growth in defense-related aircraft orders, Wichita’s ranking in the Milken’s Institute 2010 Best-Performing Cities Index, 200 Metropolitan Cities, continues to climb, jumping one-hundred seventeen spots, from 189th in 2006 to 72nd in 2010 (http://bestcities.milkeninstitute.org/bestcities2010.taf?rankyear=2010&type=rank200).</p> <p>In discussions with local aviation industry representatives, it was voiced that employees who hold an associate’s degree or FAA A/P certificate may desire to advance in their careers but have minimal educational options available in the Wichita metropolitan area to do so. With the absence of advanced technology degree programs, employees and students may refrain from further education, pursue online degree options, transfer to a college outside of Wichita, or pursue degree programs that will not contribute to addressing the skilled workforce shortage.</p> <p>According to the Kansas, Inc. Kansas Aerospace Industry Forecast “Kansas aerospace relies primarily on commercial aviation parts manufacturing, defense aerospace manufacturing, avionics manufacturing, and general aviation manufacturing, as well as a significant number of suppliers to all of the industry sub-sectors. The companies</p>

	<p>include many familiar names such as Spirit AeroSystems, Boeing Integrated Defense Systems, Garmin International, Honeywell, Raytheon (Hawker Beechcraft), Bombardier-Learjet and Cessna.”</p> <p>For 2008, 27 percent of this workforce was eligible for retirement and over the next five years, 40 percent are eligible (http://www.sedgwickcounty.org/workforce_development/). Therefore, in order for Kansas’ aviation industry to remain globally competitive, it is imperative that the community (and WSU) provide a skilled and accessible workforce.</p>
<p>5.Comparative /Locational Advantage</p>	<p>For nearly 90 years, aircraft and aircraft components have been built with Wichita expertise and craftsmanship and offers one of the largest aerospace labor pools and supplier networks in the world. Wichita is also home to an Airbus Engineering Design Center. “In 2005, Wichita companies delivered 55% of all general aviation aircraft built in the United States, and accounted for 44% of global general aviation deliveries. Located in Wichita is some of the most specialized equipment in the world for metal and composite material fabrication. Decades of aircraft production have built a comprehensive network of over 200 precision machine shops, tool & die shops and other aerospace subcontract manufacturers (www.gwedc.org).”</p> <p>“There are more than 40 Boeing-certified gold and silver suppliers within a 200-mile radius. Those leading edge suppliers include Spirit AeroSystems, the world’s largest independent producer of commercial Aircraft Structures and Systems. Wichita firms either directly manufacture, or provide critical components for, over half of all general aviation, commercial and military aircraft. Wichita’s history in aviation has positioned its state and federal elected officials well to protect and advance critical legislation (www.gwedc.org).”</p> <p>Of the 283.4 thousand employed in Wichita, over 31 thousand (11 percent) are employed in the manufacturing or engineering industry (Wichita Business Journal, September 17, 2010, pp. 8, 15, and 17). Kansas’ 10th place ranking in <i>Forbes</i> new “Best States for Business” list and the No. 11 ranking in “CNBC’s annual ‘America’s Top States for Business’ report,” makes Wichita a very attractive environment for business development and future job growth (www.KansasCommerce.com).</p> <p>Nationally, the American Society of Engineering Education (ASEE) reported during the Fall 2009, there were 25,349 students enrolled in 92 colleges/universities granting bachelor’s of science degrees in engineering technology. From this number, 11 institutions were ABET-TAC accredited engineering technology B.S.E.T. programs located in the Midwest region that includes Kansas, Missouri, Nebraska, and Illinois; 20 within the South Central region, Arkansas, Louisiana, Oklahoma, and Texas; and four within the West Central region, Colorado and Idaho.</p> <p>Student enrollment at Pittsburg State University and Kansas State University engineering technology programs averaged 73.5 students (FTE) for the Fall 2007; this is compared with a national average of 264 students per year (ASEE). Based upon Wichita’s strong aerospace presence and labor force, WSU forecasts enrollment of 75 students per year following the three year program initiation. This will equate to</p>

	<p>approximately 2,250 credit hours per year.</p> <p>Wichita State University is a relatively small research intensive university. One advantage associated with small organizations is flexibility. This flexibility will help ensure the success of the interdisciplinary approach to the development of course and laboratory materials, team teaching of courses, and administration of the program. Wichita State University's metropolitan location provides many opportunities to interact with aviation, manufacturing, healthcare, renewable energy, and many other related industries.</p> <p>Student diversity plays a critical role in WSU's College of Engineering. For example, out of 179 students graduating from WSU's CoE in 2009, 29 (16 percent) were women and 52 (29 percent) were foreign nationals (Profiles of Engineering and Engineering Technology Colleges, ASEE 2009 Edition). With the CoE's addition of the Director of Programs to Broaden Participation in Engineering, enrollment of women, foreign students, and non-Caucasian ethnic groups is anticipated to further increase. The ASEE's Profiles of Engineering and Engineering Technology Colleges, 2009 Edition, reports the total percentage of B.S.E.T. degrees awarded to women in 2009 was 9.4 percent, with an additional 29.5 percent awarded to various non-Caucasian graduates of both genders.</p>
6. Curriculum	<p>The 128 (minimum) hour Bachelor's of Science in Engineering Technology program will offer students four different degree options from which they could choose:</p> <ul style="list-style-type: none"> • Renewable Energy Technology • Aircraft Maintenance Technology • Engineering Technology Management • Mechatronics Technology <p>Each option would adhere to the Kansas Board of Regents, WSU, and Accrediting Board for Engineering Technologies – Technology Accreditation Commission (ABET-TAC) criteria.</p>
7. Faculty Profile	<p>Over 80 percent of Wichita State University's faculty possess a Ph.D. in their field of specialty and have teaching and research capabilities in subjects related to the Engineering Technology curriculum within WSU's ABET accredited College of Engineering degree programs and the AACSB accredited W. Frank Barton School of Business. In adhering to ABET-TAC criteria, all faculty, adjuncts included, will be expected to have industry experience as well. All graduate students will be expected to have a minimum of a master's degree, or a bachelor's degree with a minimum of three years of industry experience.</p> <p>The expertise of faculty from the colleges of Engineering and Business will be synergetic to develop and offer basic and core interdisciplinary courses and technical electives.</p>
8. Student Profile	<p>WSU's CoE requested disaggregated student profile data on all students for the 2007-8, Academic Year (Summer, Fall, Spring). Students enrolled in Aerospace , <i>Aerostructures Airframe Mechanic/Aircraft Maintenance Technology, Drafting and Design Technology, Electrical Engineering Technology, Machine Shop Technology,</i></p>

	<p><i>Machine Tool Technology, Mechanical Engineering Technology, Mechatronics, and Pre-engineering</i> related programs at Butler Community College, Cowley Community College (CCC), Hutchinson Community College and Wichita Area Technical College (WATC). With the exception of CCC, all schools volunteered to provide the requested information. However, aggregated CCC student profile data was obtained from the National Center for Education Statistics (NCES) web site.</p> <p>For the 2007-2008 academic year, approximately 1,108 students were enrolled in one of the aforementioned technology programs; 637 were enrolled full-time with an average age of 27.8 and average GPA of 2.97. Of these, 531 were completers, with 502 graduating from WATC. Due to new program start ups, WATC was unable to provide complete data for students enrolled in Composites, Aerostructures, Airframe Mechanic, and Aircraft Maintenance Technology.</p>
9. Academic Support	<p>“Special courses are offered to assist student in transitioning to the university. These courses focus on the necessary academic and life management skills to be successful in college to prepare for lifelong learning and career development. To maximize their potential for success, all freshmen are encouraged to take the Introduction to the University course which is offered in several colleges. WSU’s research shows students completing this course persist at the rate of 12 percent higher than those who do not take such courses. Graduation rates are also higher for students who enroll in these courses (Undergraduate Catalog, WSU, 2008-09).”</p>
10. Facilities and Equipment	<p>To supplement classroom theory in ergonomics, manufacturing engineering, and computer analysis, the CoE facilities include an Engineering Graphics Lab, Metrology Lab, Cessna Manufacturing Processes Lab, Ergonomics/Human Factors Lab, Composites Manufacturing Lab, Advanced Manufacturing Process Lab, Rapid Prototyping Lab, Virtual Reality Development Lab, and Open Computing Lab.</p> <p>Additionally, in partnership with Wichita Area Technical College, Wichita State University and its National Institute for Aviation Research (NIAR), Sedgwick County completed the building of the National Center for Aviation Training (NCAT) to meet the aviation manufacturing workforce demand for world class training. The Center consists of three buildings: Advanced Manufacturing Technology Center (80,948 sq. ft.), the Aviation Service Center (96,243 sq. ft.) and an Assessment and Administration Center (30,435 sq. ft.) for admissions, student services and employment placement. It is assumed that NCAT will be the main laboratory facility supporting this program and that the current agreement between WSU and Sedgwick County will allow for the use of such facility with no additional cost to WSU CoE.</p>
11. Program Review, Assessment, Accreditation	<p>The Engineering Technology program will abide by the program review, assessment, and accreditation procedures and criteria established by the Higher Learning Commission (HLC), Kansas Board of Regents (KBOR), and the Accreditation Board of Engineering Technology-Technology Accreditation Commission (ABET-TAC), and the other six CoE accredited programs to receive accreditation in the year 2013. This date is one (1) year following the year of the program’s first graduates and it coincides with the next cycle of ABET review for the other six (6) CoE programs.</p>
12. Costs,	Equipment

Financing	<p>Initial Investment: \$155,000</p> <p>Personnel</p> <ul style="list-style-type: none"> • Director of Engineering Technology and faculty: \$77,500 (includes fringe benefits) • One administrative specialist – will provide administrative support for the Director of Engineering Technology: \$40,000 (includes fringe benefits) • Faculty to be added in the third year: \$77,500 (includes fringe benefits) • Adjunct faculty salaries: \$100,000 <p>OOE</p> <ul style="list-style-type: none"> • Operating Expenses: \$20,000 <p>ABET-TAC Fees</p> <p>Approximately \$9,630, plus an annual maintenance fee of \$475.</p>
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Curriculum of Proposed Program

Proposed Engineering Technology Program in the College of Engineering

The proposed Engineering Technology program includes various hands-on laboratory classes that focus on current issues in the application of engineering principles, preparing students for practical design and production work, rather than for jobs that require more theoretical and scientific knowledge.

Main Features of the 128-Minimum-Credit Engineering Technology Undergraduate Program Curriculum

- 64 transferable credits from a community college or technical school including the following:
 - 6 credits of English Composition
 - 3 credits of Public Speaking
 - 6 credits of Math above Pre-Calculus and Trigonometry
 - 3 credits of Fine Arts
 - 6 credits of Humanities
 - 6 credits of Social/Behavioral Science
 - 3 credits of Natural Science
 - 6 credits of Fine Arts, Humanities, Social/Behavioral Science, or Mathematics and Natural Sciences
 - 18 credits of general elective courses that enable a student to graduate with a broad background in engineering technology with a focus in one of four areas of emphasis: Aircraft Maintenance Technology, Engineering Technology Management, Mechatronics Technology, or Renewable Energy Technology.
- 28 credits of core Engineering Technology courses
- 39 minimum credits of major requirements

A listing of courses in each of the four areas of emphasis follows, and a detailed curriculum by semesters is provided in Table 3. Courses indicated with XXX are new courses.

CURRICULUM OUTLINE
NEW DEGREE PROPOSALS
Kansas Board of Regents

- I. Identify the new degree: B.S. Engineering Technology – *Aircraft Maintenance Technology*
 II. Provide courses required for each student in the major:

	Course Name and Number	Credit Hours	
Core Courses:	CS 211 Problem Solving and Programming in C	4	
	ENGT XX2 Applied Mechanics: Statics and Dynamics	3	
	ENGT 3XX Introduction to Engineering Technology	3	
	ENGT 4X1 Senior Project I	3	
	ENGT 4X2 Senior Project II	3	
	IME 222 Engineering Graphics	3	
	IME 254 Engineering Probability and Statistics I	3	
	IME 255 Engineering Economy	3	
	IME 258 Manufacturing Methods and Materials I	3	
	Major Requirements:	ENGL 210 Composition: Business, Professional, and Technical Writing	3
ENGT XX6 Maintenance Regulations and Practices		2	
ENGT XX7 Aircraft Engines		3	
ENGT XX9 Industrial Controls and Instrumentation		3	
ENGT X12 Aerodynamics and Performance		2	
ENGT X13 Introduction to Strength and Mechanics of Materials		3	
ENGT X14 Avionics Systems		3	
ENGT X15 Aircraft Structures and Systems		3	
ENGT X16 Aircraft Damage Analysis and Repair		3	
ENGT X17 Non-Destructive Testing		3	
ENGT X21 Material Applications in Engineering		3	
ENGT X22 Material Applications in Engineering Lab		1	
ENGT X23 Aviation Safety and Security		2	
ENGT X24 Aircraft Fatigue and Fracture Mechanics		3	
ENGT X25 Aircraft Reliability, Maintainability, and Supportability		3	
ENGT X26 Aircraft Propulsion Systems		2	
ENGT 2XX Circuits Technology		4	
PHIL 385 Engineering Ethics		3	
Total			77

CURRICULUM OUTLINE
NEW DEGREE PROPOSALS
Kansas Board of Regents

- I. Identify the new degree: B.S. Engineering Technology – *Engineering Technology Management*
- II. Provide courses required for each student in the major:

	Course Name and Number	Credit Hours
Core Courses:	CS 211 Problem Solving and Programming in C	4
	ENGT XX2 Applied Mechanics: Statics and Dynamics	3
	ENGT 3XX Introduction to Engineering Technology	3
	ENGT 4X1 Senior Project I	3
	ENGT 4X2 Senior Project II	3
	IME 222 Engineering Graphics	3
	IME 254 Engineering Probability and Statistics I	3
	IME 255 Engineering Economy	3
	IME 258 Manufacturing Methods and Materials I	3
Major Requirements:	ACCT 210 Financial Accounting	3
	ACCT 220 Managerial Acctg.	3
	BLAW 431 Legal Environment of Business	3
	ECON 202 Principles of Microeconomics	3
	ENGL 210 Composition: Business, Professional, and Technical Writing	3
	ENGR 301 The Engineer as Leader	3
	ENGT XX4 Engineering Technology Management	3
	ENGT XX5 Analysis of Decision Processes in Technology	3
	FIN 340 Financial Management I	3
	IB 333 International Business	3
	MGMT 360 Management and Organizational Behavior	3
	MKT 300 Marketing	3
	PHIL 385 Engineering Ethics	3
	Total	67

CURRICULUM OUTLINE
NEW DEGREE PROPOSALS
Kansas Board of Regents

- I. Identify the new degree: B.S. Engineering Technology – ***Mechatronics Technology***
- II. Provide courses required for each student in the major:

	Course Name and Number	Credit Hours	
Core Courses:	CS 211 Problem Solving and Programming in C	4	
	ENGT XX2 Applied Mechanics: Statics and Dynamics	3	
	ENGT 3XX Introduction to Engineering Technology	3	
	ENGT 4X1 Senior Project I	3	
	ENGT 4X2 Senior Project II	3	
	IME 222 Engineering Graphics	3	
	IME 254 Engineering Probability and Statistics I	3	
	IME 255 Engineering Economy	3	
	IME 258 Manufacturing Methods and Materials I	3	
	Major Requirements:	ECE 194 Introduction to Digital Design	4
		ECE 238 Assembly Language Programming for Engineers	3
		ECE 394 Introduction to Computer Architecture	3
ENGL 210 Composition: Business, Professional, and Technical Writing		3	
ENGT XX8 Machine Elements		3	
ENGT XX9 Industrial Controls and Instrumentation		3	
ENGT X10 Robotics Technology		3	
ENGT X11 Microcomputer-Based Mechanical Systems		3	
ENGT X13 Introduction to Strength and Mechanics of Materials		3	
ENGT X18 Introduction to Fluids		3	
ENGT 2XX Circuits Technology		4	
ENGT 4XX Electrical Power and Machinery		4	
PHIL 385 Engineering Ethics		3	
Total		70	

CURRICULUM OUTLINE
NEW DEGREE PROPOSALS
Kansas Board of Regents

- I. Identify the new degree: B.S. Engineering Technology – *Renewable Energy Technology*
- II. Provide courses required for each student in the major:

	Course Name and Number	Credit Hours
Core Courses:	CS 211 Problem Solving and Programming in C	4
	ENGT XX2 Applied Mechanics: Statics and Dynamics	3
	ENGT 3XX Introduction to Engineering Technology	3
	ENGT 4X1 Senior Project I	3
	ENGT 4X2 Senior Project II	3
	IME 222 Engineering Graphics	3
	IME 254 Engineering Probability and Statistics I	3
	IME 255 Engineering Economy	3
	IME 258 Manufacturing Methods and Materials I	3
	Major Requirements:	ENGL 210 Composition: Business, Professional, and Technical Writing
ENGT XX1 Renewable/Sustainable Engineering Technology— Project Course		
ENGT X18 Introduction to Fluids		3
ENGT X1X Solar Engineering		3
ENGT X2X Fluid Power Technology		3
ENGT X3X Renewable Energy Management		3
ENGT 2XX Circuits Technology		3
ENGT 4XX Electrical Power and Machinery		4
ENGT 46X Applied Fluid Mechanics		3
ENGT 47X Renewable Energy Technology		3
ENGT 48X Energy, the Environment, and Sustainability		3
ENGT 49X Sustainable Power Generation		3
ENGT 50X Sustainable Heating, Ventilating, and Air Conditioning (HVAC)		3
ME 398 Thermodynamics I		3
ME 469 Energy Conversion		3
PHIL 385 Engineering Ethics		3
Total		77

IMPLEMENTATION YEAR FY 2011/2012

Fiscal Summary for Proposed Academic Programs

Institution: Wichita State University Proposed Program: BS in Engineering Technology

Part I. Anticipated Enrollment	Implementation Year		Year 2		Year 3	
	Full-Time	Part-Time	Full-Time	Part-Time	Full-Time	Part-Time
A. Full-time, Part-time Headcount:	25	10	50	15	75	20
B. Total SCH taken by all students in program	870		1680		2490	
Part II. Program Cost Projection						
A. In <u>implementation</u> year one, list all identifiable General Use costs to the academic unit(s) and how they will be funded. In subsequent years, please include only the additional amount budgeted.						
	Implementation Year	Year 2		Year 3		
<u>Equipment</u>	\$155,000	--		--		
<u>Base Budget Salaries</u>	\$217,500*	--		\$77,500*		
OOE	\$20,000 \$10,105 (ABET)	\$800 \$475 (ABET maintenance)		\$832		
Total	\$402,605	\$1,275		\$78,332		

*Includes fringe benefits

Funding of the Program will come from internal reallocation, with additional support from Spirit Aerosystems, Boeing, Hawker-Beechcraft, Cessna, and Garmin Industries to fund equipment and faculty salaries for the first three years.

Revised: September, 2003

Approved: _____



K-State at Salina

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May 5, 2011

To: April Mason, Provost and Senior Vice President

cc: Ruth Dyer, Senior Vice Provost
Dennis Kuhlman, Dean

From: David Delker, Associate Dean of Academics

Subject: Wichita State University Engineering Technology proposal

This information is in response to the Wichita State University proposal to the Kansas Board of Regents to offer a Bachelor of Science Degree in Engineering Technology (first reading at COCAO 04/20/11). The proposed Engineering Technology degree includes four options:

- Aviation Maintenance Technology
- Engineering Technology Management
- Mechatronics Technology
- Renewable Energy Technology

The first three options have substantial overlap with programs already in place at Kansas State University Salina:

1. **Aircraft Maintenance Technology** is very similar to K-State's Aviation Maintenance Technology. Both programs include coursework leading to FAA Airframe and Powerplant certification. It should be noted that K-State's program has a solid reputation in the aviation industry, and graduates are sought after by employers in Wichita and throughout the region.

There obviously is a concern that (if this proposal is approved) there will be one additional aviation maintenance degree program in the state; while competition can encourage higher levels of program quality, it is not necessarily a wise move when the K-State program already is equipped with modern facilities, an established reputation in the industry, and the capacity for increased enrollment. Our Aviation Department is among the top comprehensive aviation programs in the nation, with options in aviation maintenance, avionics, professional pilot, unmanned aerial systems, air traffic control, and airport management.

The aviation maintenance courses in the WSU program will be supplied by Wichita Area Technical College (WATC). That program has struggled with program quality and instructor continuity in recent years. While the new WATC administrative leadership may be addressing those issues, that program's reputation in the industry may be detrimental to this proposal.

The proposed WSU program is more analytical, but (more importantly) much less hands-on in structure than is the K-State program. Physics, Chemistry, Calculus, Statics and Dynamics, C Programming are included in the WSU program. This seems contradictory to their program description that touts "...equipment maintenance and repair, operations, health and safety, blueprint reading, and structural analysis and repair..." as the skill set developed by the curriculum. From K-State's recruiting experience, potential aviation maintenance students do not want a highly theoretical program; courses in calculus, statics and dynamics, and C programming would discourage students from applying and graduates with that theoretical background would not meet the needs of many employers.

From the standpoint of cost effectiveness, the WSU Aircraft Maintenance Technology proposal contains 141 credit hours: 77 at WSU and 64 from "a community college or technical school," which makes this a 5-year program. This seems contrary to the KBOR recommendation of 120 credit hours for a baccalaureate degree. K-State's Aviation Maintenance program (with 128 credit hours) is designed to be completed in four years.

2. The proposed **Engineering Technology Management** option is essentially a duplication of K-State's baccalaureate program in Technology Management, but without the flexibility. The primary difference is that K-State's program allows students to complete their 39-hour "technical core" requirements in wide range of technical disciplines. The WSU program, on the other hand, prescribes a specific list of courses in manufacturing, applied mechanics, engineering graphics, and C programming. An identical package of courses could be plugged directly into the K-State program requirements.

K-State's Technology Management has been in place for many years, and has the distinction of being available on either the K-State Salina or K-State Manhattan campuses, plus the degree requirements can be met entirely by distance. This has made the program very popular to traditional as well as placebound students in Kansas and around the world. We have articulation agreements in place with 11 community and technical colleges in the state for 2+2 programs in our Technology Management program. There seems to be no logical reason for introducing a competing degree in the same discipline.

From the standpoint of cost effectiveness, the WSU Engineering Technology Management proposal contains 131 credit hours: 67 at WSU and 64 from "a community college or technical school," which makes this a 5-year program. This seems contrary to the KBOR recommendation of 120 credit hours for a baccalaureate degree. K-State's Technology Management program (with 124 credit hours) is designed to be completed in four years.

3. The proposed **Mechatronics Technology** option is very similar to K-State's Electronic and Computer Engineering Technology (ECET) program. While K-State does not offer a program entitled "mechatronics," students in the ECET program can customize their program of student to include electives in the mechanical engineering technology area to result in a mechatronics emphasis. Similarly, students in K-State's Mechanical Engineering Technology program can

emphasize electronics by selecting appropriate electives.

The WSU Mechatronics Engineering Technology program lacks the mathematical rigor found in the K-State program, which contains two calculus courses. The extra depth of study in mathematics allows the K-State ET students to apply calculus concepts in their advanced control systems and telecommunications classes.

From the standpoint of cost effectiveness, the WSU Mechatronics Technology proposal contains 134 credit hours: 70 at WSU and 64 from “a community college or technical school,” which makes this a 5-year program. This seems contrary to the KBOR recommendation of 120 credit hours for a baccalaureate degree. K-State’s ECET program (with 128 credit hours) is designed to be completed in four years.

4. The proposed **Renewable Energy Technology** option does not have a direct counterpart at Kansas State University. However, with the exception of six courses, all of the courses are available in our existing Mechanical Engineering Technology program.

Other Observations about the Proposal

The proposed \$155,000 initial investment for equipment seems very low, particularly with the large number of new courses being proposed. Engineering technology programs are among the most expensive programs to establish and maintain, and yet the startup cost cited is well under what one would expect. The narrative states that “It is assumed that NCAT will be the main laboratory supporting this program and that the current agreement between WSU and Sedgwick County will allow for the use of such a facility...” Perhaps this was just a poor choice of words, but the word “assumed” casts some doubt on the ongoing facility support for the program.

Similarly, the \$77,500 cost for one new faculty member (including salary and benefits) is unrealistically low, at least for someone with appropriate academic credentials and industrial experience. \$100,000 is allocated for adjunct faculty salaries. This raises the concern that much of the program will be taught by part-time faculty who may or may not have any longterm commitment to the success of the program. With over 30 new courses to be introduced and developed, the demands on faculty time will be very high. The proposal lists 15 College of Engineering faculty with expertise in the areas of concentration. It is not clear how those faculty will add new engineering technology courses and advising responsibilities to their existing workloads. Also, the faculty workload issue may adversely impact existing EAC-ABET accreditation of WSU engineering programs and future hopes of obtaining TAC-ABET accreditation for the proposed programs.

In summary, K-State Salina views these proposed program options to be competing with our established programs, which have reserve capacity that can meet the needs of students in Wichita and surrounding areas. Establishing yet another Engineering Technology program just 90 minutes from ours does not seem to be a prudent use of state resources.



Pittsburg State University

COLLEGE OF TECHNOLOGY

May 6, 2011

Dr. Gary Miller, Provost and VP for Academic Affairs
and Research
Wichita State University
1844 Fairmount
Wichita, KS 67260

Dear Provost Miller,

Engineering Technology (ET) programs have been an integral part of Pittsburg State University's College of Technology (COT) for many decades. These programs, TAC ABET accredited since the mid 1970's, focus on the applications end of the engineering education continuum. With these programs as a basis for our comments, at the program level, accreditation and program emphasis are concerns that have been raised by our COT faculty and administration. Several of our faculty and administrators have served as accreditors for ABET and other related accrediting agencies and have witnessed the difficulty that universities have which attempt to deliver both strict engineering programs as well as engineering technology programs. I also understand that WSU has attempted engineering technology programs in the past and that those programs were discontinued after a relatively short time. This prompts us to wonder what is different this time that will assure it's institutionalization.

With these issues in mind we would ask that you consider the following:

WSU's proposal appears to create Engineering Technology Programs under the TAC-ABET "General" criteria with "concentration" areas or options. PSU suggests that wherever possible the areas connect directly to a specific TAC program, e.g., change Aircraft Maintenance Technology to Aeronautical Engineering Technology. It should be noted that an "option" "must conform to the general criteria and to any program criteria applicable to independent programs in the same curricular area as the option", per TAC-ABET. Therefore, a mechatronics program may, and probably will, require accreditation under two areas, mechanical and electrical.

Two of the programs appear to be strong engineering technology degrees, Mechatronics Technology and Renewable Energy Technology; two programs appear to be "technology" or "business" programs with a Statics and Dynamic course and the option to include a calculus course in the general education math section, Aircraft Maintenance Technology and Engineering Technology Management. The Aircraft Maintenance Technology and Engineering

Technology Management programs could be strengthened with more "engineering technology and

engineering level” course content. From TAC-ABET Criteria, “baccalaureate degree programs must include the following learned capabilities, an ability to select and apply a knowledge of mathematics, science, engineering, and technology to engineering technology problems that require the application of principles and applied procedures or methodologies.”

Finally, if WSU does indeed continue pursuit of these programs, I would offer to foster a connection between PSU’s Engineering Technology Department and WSU’s new proposed programs that is based on a partnership to offer high quality engineering technology programs to the State of Kansas as opposed to a competitive relationship. I would propose to begin a dialog for working together to expand program assessment options available to Engineering Technology programs – specifically to include the ability for Engineering Technology students within the State the opportunity to take the Fundamentals of Engineering Exam in Kansas – an opportunity for which they do not currently qualify. It indeed will be unfortunate, for WSU along with PSU students, to have to continue to drive to neighboring states to sit for the exam. This is particularly annoying when our students (and I would hope your students as well) score significantly above the nation mean scores for this exam).

As Dean of the College of Technology at Pittsburg State, I am most willing to discuss these concerns and issues further with you as is Professor Tim Thomas, Chair of the Department of Engineering Technology.

Sincerely,

A handwritten signature in black ink, appearing to read "Bruce D. Dallman". The signature is fluid and cursive, with a long horizontal stroke at the end.

Bruce D. Dallman, PhD
Professor and Dean

Pc: Lynette Olson
Steve Scott



TO: Gary Alexander
Vice President, Academic Affairs
Kansas Board of Regents

FROM: Gary Miller Provost and Vice President for Academic Affairs
and Research

DATE: May 12, 2011

SUBJECT: WSU BS-ET Degree Proposal, Response to Feedback from Kansas State University and
Pittsburg State University

The following information is in response to communication received from Kansas State University and Pittsburg State University regarding our proposed Bachelor of Science – Engineering Technology program currently being reviewed for approval by the Kansas Board of Regents, Council of Chief Academic Officers. We appreciate comments from both universities and look forward to further discussion.

Need and Duplication

Let me start by stating this degree program is very important to the local industry in Wichita. In fact, we proposed this degree (and the four concentration areas) at the request of several industry representatives, who need this type of program to:

- Have steady access to a locally trained workforce,
- Allow for further training of the current workforce, and
- Provide the current workforce opportunities to receive advanced education in their fields.

Specifically, the degree program is designed to articulate with the Wichita Area Technical College and other local community colleges to provide options for their students completing two year degrees, who also want to pursue a four year degree. We believe this is a perfect example of aligning our resources with community and technical colleges (as well as local industry) and fits with the strategic goals of *Foresight 2020* (specifically goals 2 and 5). While there may be some duplication, particularly with programs at Kansas State University, industry and WSU representatives do not believe potential students from the Wichita metropolitan area would consider K-State programs because of the distance and few course offerings in the evenings (most WSU engineering course offerings are in the evenings). Furthermore, our mix of concentration areas is sufficiently different and should serve to complement rather than compete with existing programs. In 2010 (according to the ASEE website), K-State Salina had 9 graduates in MET and 3 in ECET. Our Program should not impact these programs as it is aimed to reach those students who are currently living and working in the Wichita area. However, we are open to discussions with both K-State and Pittsburg State on ways to collaborate in the future.

Previous engineering technology degrees at WSU had a limited number of students; however, with the emergence of “Project Lead The Way” there are now many students in the Wichita metropolitan area who are well-suited for this degree.

Resources

In regard to our educational partners (i.e., National Center for Aviation Training, WSU’s National Institute for Aviation Research, and Wichita Area Technical College [WATC]), we believe all of them are very capable of providing first rate instruction in state-of-the-art facilities. Regarding WATC, they are now accredited by HLC-NCA and have new leadership. All three partners provide the laboratories necessary for much of the hands-on aspect of the Program. Beyond these resources, WSU is prepared to minimally hire two additional faculty, adjunct faculty, and draw upon the existing engineering faculty already employed in the College of Engineering to offer the Program. This does not preclude hiring more faculty in order to meet future demands. We have the luxury of having access to many trained engineers in the community who are willing partners in this educational endeavor.

Curriculum and Accreditation

We appreciate the feedback regarding the curriculum identified by both Kansas State and Pittsburg State. The degree proposal has been vetted extensively by local industry, WSU’s College of Engineering and WSU’s Faculty Senate. We believe we have the requisite coursework identified in each of the four concentration areas, but will take this feedback under advisement.

Accreditation will be sought for a single degree (BS-ET). Initially, we plan to accredit under the general criteria only. The diploma will read "Bachelor of Science in Engineering Technology." The option will not appear on the diploma.

Again, we appreciate the feedback and would be happy to address other issues as they may arise.

GLM/lcm

c: Don Beggs April Mason, Provost, Kansas State University
Lynette Olson, Provost, Pittsburg State University
Keith Pickus
Richard Muma
Zulma Toro-Ramos



EMPORIA STATE UNIVERSITY

May 4, 2011

TO: Dr. Gary Alexander
FROM: Tes Mehring *TM*
Provost and Vice President for Academic Affairs & Student Life
RE: Departmental Name Changes

Emporia State University has reorganized three departments in The Teachers College: Departments of Special Education and School Counseling; Psychology, Art Therapy, Rehabilitation, and Mental Health Counseling; and Early Childhood/Elementary Teacher Education. Rehabilitation Services Education (undergraduate), Rehabilitation Counseling (graduate), Mental Health Counseling (graduate), Art Therapy Counseling (graduate) and the faculty in those areas have been relocated to the Department of Special Education and School Counseling. Adaptive and Gifted Special Education graduate programs, the Leadership minor, and the faculty in those areas have relocated to the Department of Early Childhood/Elementary Teacher Education. Due to this reorganization, Emporia State University requests approval to rename the three departments.

The current Department of Special Education and School Counseling is being renamed the Department of Counselor Education; the current Department of Psychology, Art Therapy, Rehabilitation, and Mental Health Counseling is being renamed the Department of Psychology; and the current Department of Early Childhood/Elementary Teacher Education is being renamed the Department of Education, Early Childhood, and Special Education. These names reflect the programs now housed within the three departments.

Please add this request to the next COCAO agenda.



April 22, 2011

TO: Dr. Gary Alexander
FROM: Tes Mehring
Provost and Vice President for Academic Affairs and Student Life
RE: Environmental Biology Concentration Name Change

The College of Liberal Arts and Sciences at Emporia State University wishes to change the name of the Environmental Biology Concentration in the B.S., M.S., and M.A. Biology degrees to Ecology and Biodiversity.

The name change more accurately describes the content of these concentrations. Whereas the title "environmental biology" can reflect non-scientific environmentalism, a philosophical and social movement, "ecology" is the scientific study of the interactions between organisms and their environment. The study of "biodiversity" encompasses investigation of the distribution and abundance of organisms, and the structure of ecosystems. These terms reflect more contemporary terminology, and better express what we study and teach in our program.

Please add this request to the next COCAO agenda.

University of Kansas Graduate Concentrations for the Master of Business Administration

On behalf of the University of Kansas, I submit the following information item for acknowledgment by COCAO. The School of Business currently offers a variety of concentrations at the graduate level within the existing Masters of Business Administration. These concentrations provide opportunity for students to gain greater visibility while seeking entry into the workforce. Moving forward, the University of Kansas will begin documenting the completion of each of the following concentrations by printing acknowledgment of an earned concentration on a student's transcript.

In order to ensure full documentation of available concentrations, we are providing you with a complete list and supporting documentation of graduate concentrations available for the Masters of Business Administration from the School of Business.

MBA Concentrations:

1. Entrepreneurship and Innovation Concentration
2. Finance Concentration
3. Human Resources Concentration
4. Information Systems Concentration
5. International Business Concentration
6. Management
7. Marketing
8. Strategic Management

I hope that you will find that the request is in order so that the proposal can be acknowledged as an information item by COCAO at the May meeting.

Please feel free to contact Jenny Mehmedovic (jmehmedo@ku.edu) or me if you need any additional information.

Thank you for your help.

Dr. Barbara S. Romzek
Interim Senior Vice Provost for Academic Affairs
and Professor of Public Administration

PROPOSAL FOR MINOR / CONCENTRATION
 Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

- I. Indicate major in which concentration will be located:
Master of Business Administration (MBA)
- II. Give the name and describe the purpose of the proposed concentration:
Entrepreneurship and Innovation Concentration
 Description of Purpose: **Knowledge in the area of starting and growing a new venture offering a cross-functional group of classes.**
- III. Provide curriculum for the major and indicate courses required for each concentration:

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Entrepreneurship and Innovation Concentration

(Name of Concentration)

	Course Name & Number	Credit Hours
Concentration:	ENTR 750 New Venture Creation	4
	MGMT 785 Business Consulting	4 (8)
	Four credit hours from the following:	4 (4)
	BLAW 703 Legal Aspects of Business Organizations (3)	
	ENTR 895 Profitable Entrepreneurial Growth (3)	
	FIN 705 Investment Theory (2)	
	FIN 725 Business Valuation (3)	
	FIN 750 Entrepreneurial Finance I (2)	
	FIN 751 Entrepreneurial Finance II (2)	
	MGMT 725 Management of Technology I (2)	
	MGMT 726 Management of Technology II (2)	
	MGMT 736 Managing People (2)	
	MGMT 748 Negotiation & Dispute Resolution (3)	
	MKTG 702 New Product Management (3)	
MKTG 703 Consumer Behavior (3)		
MKTG 712 Service Marketing (3)		
	Total:	12

Note: By Board of Regents definition concentrations are established within existing programs and are:

1. 24 hours or less at the undergraduate level
2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

IV. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:

27

B. Rank of faculty:

Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____; GTAs _____.

C. Preparation of faculty;

Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

I. Indicate major in which concentration will be located:
Master of Business Administration (MBA)

II. Give the name and describe the purpose of the proposed concentration:
Name: Master of Business Administration (MBA) Finance Concentration

Description of Purpose: **Knowledge in the area of finance, the disciplined management of money – preparing students for careers in corporate finance, investment and portfolio management and financial intermediation.**
(Use other sheets as needed)

III. Provide curriculum for the major and indicate courses required for each concentration:
IV.

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Finance

(Name of Concentration)

Concentration:	Course Name & Number	Credit Hours
	ACCT 704 Fin Statement Presentation & Analysis I (2)	
	ACCT 705 Fin Statement Presentation & Analysis II (2)	
	FIN 705 Investment Theory (2)	
	FIN 706 Investment Analysis (2)	
	FIN 725 Business Valuation (3)	
	FIN 730 Applied Portfolio Management (4)	
	FIN 735 International Finance (3)	
	FIN 740 Forwards, Futures and SWAPs (2)	
	FIN 741 Options (2)	
	FIN 745 Business Investing (2)	
	FIN 746 Business Financing (2)	
	FIN 760 Risk Analysis (3)	
	FIN 895 Graduate Seminar in Finance (3)	
	Total:	12

Note: By Board of Regents definition concentrations are established within existing programs and are:

1. 24 hours or less at the undergraduate level
2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

V. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:

27

B. Rank of faculty:

Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____; GTAs _____.

C. Preparation of faculty;

Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

University of Kansas (3)

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

I. Indicate major in which concentration will be located:

Master of Business Administration (MBA)

II. Give the name and describe the purpose of the proposed concentration:

Name: Master of Business Administration (MBA) Human Resources Concentration

Description of Purpose: **Knowledge in the area of managing the relationship between employees and the business offering courses surrounding the selecting, hiring, training and compensating of employees.**

(Use other sheets as needed)

III. Provide curriculum for the major and indicate courses required for each concentration:

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Human Resources

(Name of Concentration)

Concentration:	Course Name & Number	Credit Hours
	MGMT 732 Recruiting & Selecting Effective Employees (2)	
	MGMT 733 Advanced Methods for Selecting Employees (2)	
	MGMT 734 Compensating & Rewarding Employees (2)	
	MGMT 736 Managing People: Application and Skills (2)	
	MGMT 738 Training & Developing an Effective Workforce (2)	
	MGMT 739 Career Development and Management (2)	
	MGMT 740 Appraising & Managing Employees (2)	
	MGMT 741 International Human Resources Management (2)	
	MGMT 743 Legal Environment for Managing Employees (2)	
	MGMT 745 Advanced Seminar in Human Resources (2-5)	
	MGMT 748 Negotiations and Dispute Resolution (3)	
	Total:	12

Note: By Board of Regents definition concentrations are established within existing programs and are:

1. 24 hours or less at the undergraduate level
2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

IV. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:
27

B. Rank of faculty: Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____; GTAs _____.

C. Preparation of faculty;
Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

University of Kansas (4)

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

I. Indicate major in which concentration will be located:

Master of Business Administration (MBA)

II. Give the name and describe the purpose of the proposed concentration:

Name: **Master of Business Administration (MBA) Information Systems Concentration**

Description of Purpose: **Knowledge in the area of database analysis, information technology, applications and systems theory with an understanding of business needs and practices.**

Use other sheets as needed)

III. Provide curriculum for the major and indicate courses required for each concentration:

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
Three of four:	6 (6)	
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Information Systems

(Name of Concentration)

Concentration:	Course Name & Number	Credit Hours
	IST 702 Systems Development	3
	IST 704 Database Management	3
	IST 706 Systems Analysis and Design	3 (9)
	<i>One of the following:</i>	3 (3)
	IST 708 Strategic Information Systems Planning (3)	
	IST 709 Business Computer Networking (3)	
	IST 712 Information Security (3)	
	IST 715 E-Commerce (3)	
	IST 720 Developments in Software Technology (3)	
	Total:	12

Note: By Board of Regents definition concentrations are established within existing programs and are:

1. 24 hours or less at the undergraduate level
2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

IV. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:

27

B. Rank of faculty:

Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____;

GTAs _____.

C. Preparation of faculty;

Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

University of Kansas (5)

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

- I. Indicate major in which concentration will be located:
Master of Business Administration (MBA)
- II. Give the name and describe the purpose of the proposed concentration:
Name: **Master of Business Administration (MBA) International Business Concentration**

Description of Purpose: **Knowledge in the area of businesses providing products and services to customers throughout the world – analyzes a variety of business topics from an international perspective and problem-solving on a global scale.**
(Use other sheets as needed)

- III. Provide curriculum for the major and indicate courses required for each concentration:
Master of Business Administration (MBA)
Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

International Business

(Name of Concentration)

Concentration:	Course Name & Number	Credit Hours
	One of three:	2-3
	IBUS 701 International Business (2)	
	IBUS 702 International Business Strategy (2)	
	IBUS 703 Comparative & Cross-Cultural Management (3)	
	Choose from the following:	9-10
	IBUS 720 Business in China (2)	
	IBUS 721 Business in Latin America (2)	
	IBUS 740 Business Practices in China (2)	
	IBUS 742 Business Practices in India (2)	
	IBUS 895 Grad Seminar in IBUS: Business in France (2)	
	MGMT 741 International Human Resources Management (2)	
	MKTG 708 Global Marketing (2)	
	Total:	12

Note: By Board of Regents definition concentrations are established within existing programs and are:

1. 24 hours or less at the undergraduate level
2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

IV. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:

27

Rank of faculty:

Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____;
GTAs _____.

B. Preparation of faculty;

Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

I. Indicate major in which concentration will be located:

Master of Business Administration (MBA)

II. Give the name and describe the purpose of the proposed concentration:

Name: Management

Description of Purpose: **Knowledge in the area of management technology, career development, economics, operations management, political strategy, analysis, recruiting and selecting effective employees, appraising and managing employee performance and strategic planning and decision making.**

(Use other sheets as needed)

III. Provide curriculum for the major and indicate courses required for each concentration:

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Management

(Name of Concentration)

Concentration:	Course Name & Number	Credit Hours
	<i>Eight to ten hours from the following:</i>	
	IBUS 703 Comparative & Cross-Cultural Mgmt	
	MGMT 725 Management of Technology I	
	MGMT 726 Management of Technology II	
	MGMT 739 Career Development & Management	
	MGMT 748 Negotiations & Dispute Resolution	
	<i>Four hours from the following:</i>	
	BE 710 Organizational Economics	
	MGMT 724 Competitive Analysis & Strategy	
	MGMT 727 Strategy Implementation	
	MGMT 728 Corporate Restructuring	
	MGMT 732 Recruiting & Selecting Effective Employees	
	MKTG 702 New Product Management	
	MKTG 706 Strategic Marketing, Planning & Decision Making	
	Total:	<u>12</u>

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2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

IV. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:
27

B. Rank of faculty:
Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____;
GTAs _____.

C. Preparation of faculty;
Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

I. Indicate major in which concentration will be located:

Master of Business Administration (MBA)

II. Give the name and describe the purpose of the proposed concentration:

Name: Marketing

Description of Purpose: **Knowledge in the area of marketing functions, including marketing concepts, decision making, pricing, distribution, consumer behavior, research, promotional strategy, global & internet & database marketing.**
(Use other sheets as needed)

III. Provide curriculum for the major and indicate courses required for each concentration:

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Marketing

(Name of Concentration)

Concentration:

Course Name & Number

Credit Hours

Twelve hours from the following:

MKTG 702 New Product Marketing

MKTG 703 Consumer Behavior

MKTG 704 Marketing Research

MKTG 705 Promotional Strategy

MKTG 706 Strategic Marketing

MKTG 708 Global Marketing

MKTG 709 Sales Force Management

MKTG 710 Internet Marketing

MKTG 711 Pricing Strategies

MKTG 712 Services Marketing

MKTG 713 Database Marketing

MKTG 895 ROI Driven Marketing

Total: 12

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1. 24 hours or less at the undergraduate level
2. 12 hours or less at the master's level
3. 18 hours or less at the doctoral level

IV. Faculty resources:

A. Number of FTE faculty who teach in the major, including all concentrations:

27

B. Rank of faculty:

Instr. 4; Asst. Prof. 14; Assoc. Prof. 9; Prof. _____;
GTAs _____.

C. Preparation of faculty;

Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

D. Explain other instructional responsibilities of faculty. (e.g. list service courses in school or for other schools/majors):

PROPOSAL FOR MINOR / CONCENTRATION
Kansas Board of Regents

Submitted by Karen Heintzen

College of School of Business

Division of Masters

I. Indicate major in which concentration will be located:

Master of Business Administration (MBA)

II. Give the name and describe the purpose of the proposed concentration:

Name: Strategic Management

Description of Purpose: **Knowledge in the area of long term business growth, planning for the growth on an executive level for businesses of all sizes, international and corporate strategy and business consulting.**

(Use other sheets as needed)

III. Provide curriculum for the major and indicate courses required for each concentration:

Master of Business Administration (MBA)

Name of Major

	Course Name & Number	Credit Hours
Core Courses:	ACCT 701 Financial Accounting	2
	BE 701 Managerial Economics	2
	DSCI 701 Statistical Decision Making	2
	FIN 701 Financial Management	2
	IBUS 700 Managing in a Global Environment	1
	MGMT 701 Organizational Behavior	2
	MGMT 704 Strategic Management	2
	MGMT 706 Professional Development Skills I	1
	MGMT 707 Professional Development Skills II	1
	MGMT 807 Ethical Decision Making in Business	2
	MKTG 701 Marketing Management	2 (19)
	BE 702 Global Economic Environment of Business <u>or</u>	
	BLAW 701 Intro to the Legal Environment of Business	2 (2)
	Three of four:	6 (6)
	ACCT 702 Managerial Accounting (2)	
	DSCI 702 Operations Management (2)	
	IST 701 Management Information Systems (2)	
	MGMT 702 Human Resources Management (2)	
Electives:	<i>Any School of Business masters level course</i>	25 (25)
Research:	NA	
Practica:	NA	
	Total:	52

Strategic Management

(Name of Concentration)

Concentration Core:	Course Name & Number	Credit Hours
	Required:	
	IBUS 702 International Business Strategy	
	MGMT 722 Corporate Strategy	
	Eight hours from the following:	
	FIN 895 Mergers & Acquisitions	
	IBUS 701 International Business	
	ENTR 750 New Venture Creation	
	MGMT 725 Management of Technology I	
	MGMT 726 Management of Technology II	
	MGMT 727 Strategy Implementation	
	MGMT 785 Business Consulting	
	Total:	<u>12</u>

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Indicate level of degrees: Bach. _____; Masters 4; Doctors 23.

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