

COLLEGE OF ARTS AND SCIENCES  
COURSE AND CURRICULUM CHANGES

To be considered at the College Faculty Meeting

November 12, 2015

4:00 p.m.

Undergraduate/Graduate  
Expedited and Non-Expedited  
Course and Curriculum Changes

Contact Person: Jeffrey Smith  
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Units outside the College of Arts and Sciences affected:

Please provide the sponsors of a proposal change with any information regarding fiscal or programmatic impact on your department, program or students

# NON-EXPEDITED COURSE PROPOSALS

## Courses Numbered 000-599

### **Dean of Arts and Sciences**

**ADD:** DAS 225 – Fundamentals of Global Food Systems Leadership. (3) I, II. An interdisciplinary approach to the fundamental roles people, policies, and cultures play in the global food system enterprise as it relates to sustainable food production, processing, distribution, and availability. Students will explore complexities within self, others, and community related to leadership in the context of a rapidly increasing global population. K-State 8: Global Issues and Perspectives.

**K-STATE 8 RATIONALE:** This course will explore the fundamentals of food systems from a global perspective including policy, international food trade, government and NGO roles. Students will explore current issues from both domestic and international settings and analyze the global connectedness of food systems.

**RATIONALE:** This course explores the fundamental of Global Food Systems Leadership from an interdisciplinary approach. It is the first of three core courses specifically for the secondary major. It sets the stage for students to choose their concentration courses.

**IMPACT:** This course does not impact another unit.

**EFFECTIVE DATE:** Fall 2016

**ADD:** DAS 325 – Uncertainty in Global Food Systems Leadership. (3) II. Explore technical and adaptive elements of grand challenges across disciplines. Students will create a community-engaged project proposal. Students will explore the impact of cultural identity, life experience, and world views on leadership relationships as it relates to privilege and inclusion in the context of global food systems. K-STATE 8: Human Diversity within the US. Pr.: LEAD 225, DAS 225, or GENAG 225.

**K-STATE 8 RATIONALE:** This course explores the impact of cultural identity, life experience, and world views on leadership relationships as it relates to privilege and inclusion in the context of global food systems. It will take into account human dimensions, cultural norms, and traditions.

**RATIONALE:** This course considers the human dimensions of Global Food Systems Leadership in addition to other complex systems. It is the second of

three core classes in the secondary major. It lays the foundation for the students' community-engaged scholarship.

IMPACT: This course does not impact another unit.

EFFECTIVE DATE: Fall 2016

ADD: DAS 425 – Global Food Systems Leadership in Action. (3) I. In this capstone course, students will conduct a community-engaged global food systems leadership research/service project. Emphasis on data collection, analysis and dissemination to appropriate audiences. Additional emphases on ethical dimensions of leadership and individual exploration of careers and roles within global food systems. K-State 8: Empirical and Quantitative Reasoning; Ethical Reasoning and Responsibility. Pr.: LEAD 225, DAS 225, or GENAG 225 and LEAD 325, DAS 325, or GENAG 325.

K-STATE 8 RATIONALE: This course integrates engaged scholarship and explores the ethical dimensions of community-engaged leadership. This will include data collection, analysis and dissemination to appropriate audiences. Core readings will focus on the ethics of leadership.

RATIONALE: This course gets students actively working on community-engaged scholarship related to Global Food Systems Leadership. It is the last of three core courses for the secondary major.

IMPACT: None

EFFECTIVE DATE: Fall 2016

## **Modern Languages**

ADD: FREN 512 – French/Francophone Cinema. (3) The course consists of readings, written assignments, viewing, and discussion of French or Francophone films. May be repeated for credit with a focus on a different topic. For French credit, must be taken in French. Pr.: FREN 301 or equivalent. K-State 8: Aesthetic Interpretation; Global Issues and Perspectives.

K-STATE 8 RATIONALE: Film is an esthetic endeavor, and the films shown will offer different international/global perspectives.

RATIONALE: Our course offerings on film have increased to the point that, instead of using the course number for 'special studies', we would like to have a dedicated course number.

IMPACT: None

EFFECTIVE DATE: Fall 2016

## **Philosophy**

FROM: PHILO 585 – Ethics. (3) I, II. Examines key developments in moral philosophy. May focus on issues in metaethics, ethical theory, or history of ethics. Pr.: PHILO 330. K-State 8: ~~Empirical and Quantitative Reasoning.~~

TO: PHILO 585 – Ethics. (3) I, II. Examines key developments in moral philosophy. May focus on issues in metaethics, ethical theory, or history of ethics. Pr.: PHILO 330. K-State 8: Ethical Reasoning and Responsibility.

RATIONALE: PHILO 585 is currently listed as fulfilling the K-State 8 empirical and quantitative reasoning requirement. We believe that this is a result of a typographical error somewhere in the initial process of applying K-State 8 tags, as PHILO 585 is an advanced course in ethics, and should satisfy the K-State 8 ethical reasoning and responsibility requirement, but involves no specific attention to quantitative or empirical reasoning. This change rectifies the error.

IMPACT: None

EFFECTIVE DATE: Fall 2016

# NON-EXPEDITED COURSE PROPOSALS

## Courses Numbered 600-999

### **Modern Languages**

**ADD:** SPAN 774 – Topics in Spanish<>English Translation/Interpreting. (3)  
Theory, strategies, terminology, and practice in a designated field in Spanish<>English translation and /or interpreting (fields: healthcare, literary translation, legal, technical and scientific, community interpreting). May be repeated for credit with a focus on a different topic. Pr.: SPAN 575 or SPAN 771.

**RATIONALE:** This course will complement out general Spanish translation courses with rotating topics in specialized areas of translation and interpreting. Current faculty members able to teach this course are Brown, Kanost, Martinez Diente, and Torrico.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

### **Philosophy**

**ADD:** PHILO 681 – Philosophy Portfolio. (0) I, II, S. Students will submit three essays, written over the course of their undergraduate education, for evaluation. The course will be graded credit/no credit being given to those who complete the one requirement. Pr.: None. K-State 8: None.

**RATIONALE:** PHILO 681 is a new course providing a mechanism to force compliance with assessment activities. To be taken in the last semester of residence by majors, students enrolled in 681 will submit three essays of their choice for evaluation. The resulting evaluations will be incorporated into our departmental assessment process. This course will be taken for 0 credit hours, and graded credit/no credit. Credit will be given to those who submit three essays (so credit does not depend on the quality of the essay), and required for graduation, per requested curriculum changes.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

## Communication Studies

**ADD:** COMM 814 – Graduate Studies in Leadership Communication. (3) I, II. This course examines the intersections of community-engaged scholarship and leadership through practices of relationship, story, strategy, and action. Students are introduced to resources and opportunities for pursuing public engagement, community-engaged scholarship, and successful program completion.

**RATIONALE:** This course will be required of all doctoral students in the Leadership Communication program in their first term. Students will become oriented with the graduate process specifically to this program and university. This program is in the proposal process.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

**ADD:** COMM 815 – Seminar in Leadership Communication. (1) I, II, S. This seminar provides doctoral students opportunities for collaboration and mentorship with peers, faculty, and visiting scholars, and exploration of career pathways in public engagement. Note: This is a repeatable course.

**RATIONALE:** This course provides an opportunity for students in the Leadership Communication doctoral program to stay connected to faculty, students, and current research through a seminar series. Students will be required to take this course at least three semesters. This program is in the proposal process.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

**ADD:** COMM 845 – Approaches to Public/Community Engagement. (3) I, II. An advanced survey of key concepts and theoretical frameworks associated with deliberative democracy and public engagement. Focus on theoretical and practical community-engaged scholarship.

**RATIONALE:** This course provides the foundation for community-engaged scholarship related to leadership and communication in both theory and practice. This is intended to be part of the Leadership Communication doctoral program. This program is in the proposal process.

**IMPACT:** Sociology reported no reservations with this course proposal on 9.2.15. History, Political Science, and Landscape Architecture and Regional & Community Planning were contacted on 9.1.15. These are no responses yet.

EFFECTIVE DATE: Fall 2016

ADD: COMM 916 – Communication Theories and Engagement. (3) I, II. Focus on the intersections of communication theory and engagement. Evolution of communication theories. Philosophy and theory pertaining to community-engaged research.

RATIONALE: This course provides foundational communication theories in the context of engagement. It is being proposed as a course in the Leadership Communication doctoral program. This program is in the proposal process.

IMPACT: This course does not impact another unit.

EFFECTIVE DATE: Fall 2016

ADD: COMM 945 – Public Problem-Solving. (3) I, II. This course is a rigorous and applied exploration of the fundamentals of social science research, social sector evaluation, and knowledge mobilization.

RATIONALE: This course is designed for students to understand and practice applied public problem solving. This is an advanced course being proposed as part of the Leadership Communication doctoral program. This program is in the proposal process.

IMPACT: Sociology reported no reservations with this course proposal on 9.2.15. History, Political Science, and Landscape Architecture and Regional & Community Planning were contacted on 9.1.15. There are no responses yet.

EFFECTIVE DATE: Fall 2016

ADD: COMM 999 – Research in Leadership and Communication. (1-15) I, II, S. Doctoral research demonstrates the candidate's ability to conduct significant original research related to leadership and communication, to analyze the information obtained from the research, and to present the results in a dissertation format appropriate to the field.

RATIONALE: This course serves as the research hours for students in the Leadership Communication doctoral program. This program is in the proposal process.

IMPACT: None

EFFECTIVE DATE: Fall 2016

# NON-EXPEDITED CURRICULUM PROPOSALS

## Undergraduate

### Modern Languages

Modern Languages B.A. (French)

FROM:

TO:

<p style="background-color: #4b0082; color: white; padding: 5px; text-align: center;"><b>Bachelor's degree requirements</b></p> <p style="background-color: #4b0082; color: white; padding: 5px; text-align: center;"><b>French: (30 credit hours)</b></p> <p><i>Required:</i></p> <ul style="list-style-type: none"> <li>• <del>Thirty credit hours of French courses at and above the 200-level.</del></li> <li>• A grade of "C" or better or a minimum 2.5 GPA is required in all French courses counted towards the major.</li> <li>• <del>At least three 700-level literature courses <b>Credits: (9)</b></del></li> </ul> <p><i>15 credit hours of French courses in the 300-level and higher</i></p> <ul style="list-style-type: none"> <li>• <del>FREN 301 – French IV <b>Credits: (4)</b></del></li> <li>• <del>FREN 315 – Elementary French Conversation <b>Credits: (2)</b></del></li> <li>• <del>FREN 513 – French Composition and Grammar <b>Credits: (3)</b></del></li> <li>• <del>FREN 514 – Contemporary France <b>Credits: (3)</b></del></li> <li>• <del>FREN 516 – Readings in French <b>Credits: (3)</b></del></li> <li>• <del>FREN 517 – Commercial French <b>Credits: (3)</b></del></li> <li>• <del>FREN 518 – Advanced French Conversation <b>Credits: (3)</b></del></li> </ul>	<p style="background-color: #4b0082; color: white; padding: 5px; text-align: center;"><b>Bachelor's degree requirements</b></p> <p style="background-color: #4b0082; color: white; padding: 5px; text-align: center;"><b>French: (33 credit hours)</b></p> <p><i>Required:</i></p> <ul style="list-style-type: none"> <li>• <u>Thirty-three credit hours of French courses at and above the 200-level.</u></li> <li>• <u>15 of which must be at the 500-level (including FREN 520 and FREN 521) and 9 hours at the 700-level.</u></li> <li>• A grade of "C" or better or a minimum 2.5 GPA is required in all French courses counted towards the major.</li> <li>• <u>Study abroad accepted, retroactive credit accepted. Minimum of two 700-level courses must be completed on campus.</u></li> </ul> <p><u>Program of Study:</u></p> <ol style="list-style-type: none"> <li>1. <u>Intermediate Languages Courses (9 hours):</u> <ul style="list-style-type: none"> <li>• <u>FREN 201 - French 3 Credits: (5)</u></li> <li>• <u>FREN 301 - French 4 Credits: (4)</u></li> </ul> </li> <li>2. <u>Literary, Cultural, Linguistic, and Professional Development Courses at the 500-level or above (9 hours- select three course of your choice)</u> <ul style="list-style-type: none"> <li>• <u>FREN 501 – Readings in French Credits: (3)</u></li> <li>• <u>FREN 503 – Composition and Grammar Credits: (3)</u></li> <li>• <u>FREN 509 - Phonetics Credits: (1)</u></li> </ul> </li> </ol>
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- ~~FREN 519 – Special Studies in French Credits: (1-18)~~
- ~~FREN 530 – Topics in French Literature and Culture Credits: (3)~~

*Two literature courses at the 500-level*

- ~~FREN 520 – Introduction to French Literature I Credits: (3)~~
- ~~FREN 521 – Introduction to French Literature II Credits: (3)~~

*Three 700-level courses*

- ~~FREN 709 – Medieval French Literature Credits: (3)~~
- ~~FREN 710 – Sixteenth-Century French Literature Credits: (3)~~
- ~~FREN 711 – Seventeenth-Century French Literature Credits: (3)~~
- ~~FREN 713 – Eighteenth-Century French Literature Credits: (3)~~
- ~~FREN 714 – Romantic French Literature Credits: (3)~~
- ~~FREN 715 – Realist French Literature Credits: (3)~~
- ~~FREN 716 – Contemporary French Literature Credits: (3)~~
- ~~FREN 719 – Advanced Spoken and Written French Credits: (3)~~
- ~~FREN 720 – Seminar in French Literature and Culture Credits: (3)~~
- ~~FREN 721 – Francophone Literature and Culture Credits: (3)~~
- ~~FREN 742 – Literature for Second Language Acquisition Credits: (3)~~
- ~~FREN 743 – Culture for Second Language Acquisition Credits: (3)~~
- ~~FREN 799 – Problems in Modern Languages Credits: (1-18)~~

- FREN 512 – French and Francophone Cinema Credits: (3)
- FREN 514 – Contemporary France Credits: (3)
- FREN 515 – History of French Culture Credits: (3)
- FREN 517 – Business French Credits: (3)
- FREN 518 – French Conversation Credits: (3)
- FREN 519 – Special Studies in French Credits: (1-18)
- FREN 530 – Topics in French/Francophone Literature and Culture Credits: (3)

3. Required Literary Studies (6 hours):

- FREN 520 – Introduction to French Literature (19<sup>th</sup> Century to the Present) Credits: (3)
- FREN 521 – Introduction to French Literature (Medieval to 18<sup>th</sup> Century) Credits: (3)

4. Advanced Literary, Cultural, Professional Development and Linguistic Studies (9 hours – select three courses):

- FREN 709 – Medieval French Literature Credits: (3)
- FREN 710 – Sixteenth-Century French Literature Credits: (3)
- FREN 711 – Seventeenth-Century French Literature Credits: (3)
- FREN 714 – Eighteenth-Century French Literature Credits: (3)
- FREN 714 – Romantic French Literature Credits: (3)
- FREN 715 – Realist French Literature Credits: (3)
- FREN 716 – Contemporary French Literature Credits: (3)
- FREN 719 – Advanced Spoken and Written French Credits: (3)
- FREN 720 – French Literature and Culture Credits: (3)
- FREN 721 – Francophone Literature and Culture Credits: (3)
- FREN 742 – French and Francophone Literature for Second Language Acquisition Credits: (3)
- FREN 743 – French and Francophone Culture for Second Language Acquisition Credits: (3)

<p><b><i>Major Option “with distinction”</i></b></p> <hr/> <p>The department also offers a major option “with distinction”.</p> <ul style="list-style-type: none"> <li>• Students seeking this option must: maintain a 3.5 GPA in all courses taken toward the major while they fulfill the requirements.</li> <li>• 6 credit hours, in addition to the regular major: Two additional courses, one of which must be on the 700 level.</li> </ul>	<ul style="list-style-type: none"> <li>• <u>FREN 799 – Problems in French Credits: (1-18)</u></li> </ul> <p><b><i>Major Option “with distinction”</i></b></p> <hr/> <p>The department also offers a major option “with distinction”.</p> <ul style="list-style-type: none"> <li>• Students seeking this option must: maintain a 3.5 GPA in all courses taken toward the major while they fulfill the requirements.</li> <li>• 6 credit hours, in addition to the regular major: Two additional courses, one of which must be on the 700 level.</li> </ul>
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**RATIONALE:** In the original description of the major at 30 credit hours, we had 15 credit hours at the 300-level and higher and did not include FREN 201 (French 3-5 credit course) in the major as it was written with the original 30 hours although they could receive credit for courses at the 200-level. In an attempt to render the major more transparent, we have rewritten the program of study to clarify that students will receive credit for FREN 201 and FREN 301 (9 hours total rather than the previously listed 4 hours of FREN 301 alone) and have reduced the requirements at the 500-level to 9 hours rather than 11 (once one removed the 4 credits of 301 and the 2 credits of elementary conversation that is no longer being offered in favor of offering more regularly the 3-credit conversation course). Students were already using FREN 201 to count towards their credits given that the major read "Thirty credit hours of French courses at and above the 200 level" however that was not reflected in the description of the program of study. Students before this change would actually take 33 hours (9 hours at the intermediate level, 9 hours at the 500-level or higher, 6 hours of literature, and 9 hours of 700-level courses, for a total of 33). We are merely formalizing what students were already doing in the interest of transparency for majors.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

## French Minor

FROM:

### Program requirements

In order to ~~minor in a language~~, you need to comply with the following rules:

- First, declare your minor. You can do so when you start taking classes toward the minor, or later on.
- To declare your minor, you need to fill out a "Add Minor" form in the Department of Modern Languages, 104 Eisenhower Hall.
- ~~You do not need to have an advisor to do your minor, simply follow the requirements relative the language you've chosen.~~
- You must receive a "C" or better, or a minimum GPA of 2.5, in all courses counted toward a minor.
- We strongly encourage students to [Study Abroad](#). While university policy requires courses applied towards the minor to be taken in residence, we will accept appropriate coursework taken toward the minor; provided that ~~at least two 400/500-level courses~~ for the minor be taken on campus.
- [Retroactive Credit](#) from KSU does apply toward the minor.
- Classes for the minor cannot be taken Pass/Fail.

### Minor requirements

~~French courses in the 200-level and above, including one literature course.~~

- ~~FREN 201 – French III Credits: (5)~~
- ~~FREN 301 – French IV Credits: (4)~~
- ~~FREN 315 – Elementary French Conversation Credits: (2)~~

TO:

### Program requirements

In order to [minor in French](#), you need to comply with the following rules:

- First, declare your minor. You can do so when you start taking classes toward the minor, or later on.
- To declare your minor, you need to fill out a "Add Minor" form in the Department of Modern Languages, 104 Eisenhower Hall or online.
- 21 hours at the 200-level or above, 12 hours of which must be at the 500-level or above and must include FREN 520 or FREN 521.
- You must receive a "C" or better, or a minimum GPA of 2.5, in all courses counted toward a minor.
- We strongly encourage students to [Study Abroad](#). While university policy requires courses applied towards the minor to be taken in residence, we will accept appropriate coursework taken toward the minor; provided that at least two 500 level courses for the minor be taken on campus.
- [Retroactive Credit](#) from KSU does apply toward the minor.
- Classes for the minor cannot be taken Pass/Fail.

### Minor requirements

Program of Study:

1. Intermediate Language Courses (9 Hours):
  - FREN 201 – French III Credits: (5)
  - FREN 301 – French IV Credits: (4)

- ~~FREN 398 – Intermediate Studies in French Credits: (1-6)~~
- ~~FREN 502 – French Literature in Translation Credits: (3)~~
- ~~FREN 509 – French Phonetics Credits: (1)~~
- ~~FREN 510 – Modern French Culture Credits: (2)~~
- ~~FREN 513 – French Composition and Grammar Credits: (3)~~
- ~~FREN 514 – Contemporary France Credits: (3)~~
- ~~FREN 515 – French and Francophone Culture Credits: (3)~~
- ~~FREN 516 – Readings in French Credits: (3)~~
- ~~FREN 517 – Commercial French Credits: (3)~~
- ~~FREN 518 – Advanced French Conversation Credits: (3)~~
- ~~FREN 519 – Special Studies in French Credits: (1-18)~~
- ~~FREN 530 – Topics in French Literature and Culture Credits: (3)~~
- ~~FREN 709 – Medieval French Literature Credits: (3)~~
- ~~FREN 710 – Sixteenth-Century French Literature Credits: (3)~~
- ~~FREN 711 – Seventeenth-Century French Literature Credits: (3)~~
- ~~FREN 713 – Eighteenth-Century French Literature Credits: (3)~~
- ~~FREN 714 – Romantic French Literature Credits: (3)~~
- ~~FREN 715 – Realist French Literature Credits: (3)~~
- ~~FREN 716 – Contemporary French Literature Credits: (3)~~
- ~~FREN 719 – Advanced Spoken and Written French Credits: (3)~~
- ~~FREN 720 – Seminar in French Literature and Culture Credits: (3)~~

2. Literary, Cultural, Linguistic, and Professional Development Courses at the 500-level (9 hours – select three courses of your choice):

- FREN 501 – French Readings Credits: (3)
- FREN 503 – French Composition and Grammar Credits: (3)
- FREN 509 – French Phonetics Credits: (1)
- FREN 512 – French and Francophone Cinema Credits: (3)
- FREN 514 – Contemporary France Credits: (3)
- FREN 515 – History of French Culture Credits: (3)
- FREN 517 – Business French Credits: (3)
- FREN 518 – French Conversation Credits: (3)
- FREN 530 – Topics in French/Francophone Literature and Culture Credits: (3)
- Any course at the 700-level

3. Required Literary Studies (3 hours – select one course)

- FREN 520 – Introduction to French Literature (19<sup>th</sup> Century to the present) Credits: (3)
- FREN 521 – Introduction to French Literature (Medieval to 18<sup>th</sup> Century) Credits: (3)

**Total credit hours: (21)**

<ul style="list-style-type: none"> <li>● <del>FREN 721 – Francophone Literature and Culture Credits: (3)</del></li> <li>● <del>FREN 742 – Literature for Second Language Acquisition Credits: (3)</del></li> <li>● <del>FREN 799 – Problems in Modern Languages Credits: (1-18)</del></li> </ul> <p style="background-color: #4b0082; color: white; padding: 5px;"><b>Select one of the following courses to fulfill the literature requirement:</b></p> <ul style="list-style-type: none"> <li>● <del>FREN 520 – Introduction to French Literature I Credits: (3)</del></li> <li>● <del>or</del></li> <li>● <del>FREN 521 – Introduction to French Literature II Credits: (3)</del></li> </ul> <p style="background-color: #4b0082; color: white; padding: 5px;"><b>Total credit hours: (20)</b></p>	
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**RATIONALE:** The change in hours reflects what students are currently doing in their programs of study in French. This change will not actually require students to take an extra course. Rather, it reflects credit students are obtaining already through retroactive credit or through their course selection.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

### Spanish Translation Minor

**ADD:**

<p>Spanish Translation Minor</p> <p><b>Minor Program Requirements (18 Credit Hours)</b></p> <p>Professional writing in English elective (3 credit hours) Students complete one of the following courses:</p> <ul style="list-style-type: none"> <li>● ENGL 302 – Technical Writing credits: (3)</li> <li>● ENGL 400 – Advanced Expository Writing for Prospective Teachers Credits: (3)</li> <li>● ENGL 415 – Written Communication for Engineers Credits: (3)</li> <li>● ENGL 417 – Written Communication for the Workplace Credits: (3)</li> <li>● ENGL 510 – Introduction to Professional Writing Credits: (3)</li> <li>● ENGL 516 – Written Communication for the Sciences Credits: (3)</li> </ul>
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- MC 200 – News and Feature Writing Credits: (3)
- MC 221 – Advertising Strategy and Writing Credits: (3)
- MC 426 – Magazine and Feature Writing Credits: (3)

Approaches to language elective (3 credit hours)

Students must complete one of the following courses:

- COMM 480 – Intercultural Communication Credits: (3)
- ANTH 514 – Language and Culture Credits: (3)
- ANTH 792 – Linguistic Methods Credits: (3)
- SPAN 600 – Introduction to Linguistics Credits: (3)
- SPAN 670 – Advanced Spanish Grammar Credits: (3)
- SPAN 776 – History of the Spanish Language Credits: (3)
- ENGL 430 – The Structure of English Credits: (3)
- ENGL 435 – Linguistics for Teachers of English Credits: (3)
- ENGL 490 - Development of the English Language Credits: (3)

Professional Spanish (3 credit hours)

Students must complete one of the following courses:

- SPAN 530 – Professional Spanish: Business Credits: (3)
- SPAN 531 – Professional Spanish: Health and Human Services Credits: (3)

Core Courses (9 credit hours)

Students complete all of the following courses:

- SPAN 575 – Introduction to Spanish Translation Credits: (3)
- SPAN 771 - Advanced Spanish Translation Credits: (3)
- SPAN 774 – Topics in Spanish Translation or Interpreting Credits: (3)

**RATIONALE:** In their professional and civic lives, bilingual people are often called upon to translate written texts or serve as interpreters in oral communication. Those without formal training in translation or interpreting can do more harm than good when they attempt to convey meaning across languages and cultures. The state of Kansas lacks resources for students looking to develop basic translation skills or prepare for advanced study leading to career in the translation/interpreting field ( in addition to the Wichita State program listed in Appendix 2, Johnson County Community College offers programs in medical and legal interpreting). As the number of Kansas residents with limited English proficiency increases, the need for qualified translators and interpreters is rising. Professionally trained translators and interpreters are in high demand nationwide; according to the National Bureau of Labor Statistics, employment for translators and interpreters is projected to increase 46 percent from 2012 to 2022, much faster than the average projected growth for all occupations.

By adding a Spanish translation minor, K-State would become the first university in Kansas to provide a basic foundation in translation studies. Students completing the minor would be well informed about circumstances under which they could ethically provide translation or interpreting services, and about what additional training they would need in order to become professional translators or interpreters. Addressing this urgent need in the state is consistent

with the land-grant mission of the university, and expanding language program offerings supports the internationalization component of the K-State 2025 plan.

The Modern Languages Department already has the resources to offer this minor. Spanish faculty with translation expertise include three associate professors, one assistant professor, and an instructor; one Spanish faculty member is currently certified by the American Translators Association, and the Spanish section will seek funding for additional faculty members to attain this nationally respected credential. The department will also seek funding to offer a healthcare interpreting workshop for faculty.

Student interest in the two existing Spanish translation courses have been high, with consistently strong enrollments (500-level courses are currently capped at 15, and 700-level courses are capped at 10):

	Fall 15	Fall 14	Fall 13	Fall 12	Fall 10
SPAN 575	18	18	16	16	14
	Spring 15	Spring 13	Fall 11	Spring 10	
SPAN 771	8	14	15	15	

Proposed Student Learning Objectives for the Spanish Translation Minor:

- Students will demonstrate culturally and linguistically effective basic Spanish-English translation skills in a variety of subject areas
- Students will demonstrate effective professional writing skills in English and Spanish
- Students will demonstrate knowledge of the translation profession, codes of ethics, and resources available for future professional development.

IMPACT: English, Journalism and Mass Communications, Communication Studies, Sociology, Anthropology, and Social Work have all given their approval for the courses to be added to the minor.

EFFECTIVE DATE: Fall 2016

**Philosophy**

Philosophy B.A./B.S.

FROM:

TO:

The program in philosophy gives students an understanding of traditional philosophical subjects such as the nature and justification of moral values, religious and scientific explanations of the world,	The program in philosophy gives students an understanding of traditional philosophical subjects such as the nature and justification of moral values, religious and scientific explanations of the world,
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the rationality of social institutions, and the nature of reasoning and argument.

There are six degree options for the BA and BS degree:

- Standard Philosophy Option
- Philosophy/Pre-law Options
- Philosophy/Pre-business Option
- Philosophy/Pre-ministry Option
- Philosophy/Interdisciplinary Option
- Philosophy/Pre-med Option

#### Bachelor's degree (BA or BS) requirements

#### Philosophy Major Core curriculum (24 credit hours)

All philosophy majors must take the following eight courses:

- PHILO 301 - History of Philosophy **Credits:** (3)
- PHILO 303 - Writing Philosophy **Credits:** (3)
- PHILO 305 - Reasons, Decisions and Society **Credits:** (3)
- PHILO 320 - Symbolic Logic I **Credits:** (3)
- PHILO 330 - Moral Philosophy **Credits:** (3)
- PHILO 335 - Introduction to Social and Political Philosophy **Credits:** (3)
- PHILO 340 - Justification and Reliable Knowledge **Credits:** (3)
- PHILO 345 - Worlds, Things and Properties **Credits:** (3)

#### Standard philosophy option

This option is for students who are interested in a traditional liberal arts course of study.

the rationality of social institutions, and the nature of reasoning and argument.

There are six degree options for the BA and BS degree:

- Standard Philosophy Option
- Philosophy/Pre-law Options
- Philosophy/Pre-business Option
- Philosophy/Pre-ministry Option
- Philosophy/Interdisciplinary Option
- Philosophy/Pre-med Option

#### Bachelor's degree (BA or BS) requirements

#### Philosophy Major Core curriculum (24 credit hours)

All philosophy majors must take the following nine courses:

- PHILO 301 - History of Philosophy **Credits:** (3)
- PHILO 303 - Writing Philosophy **Credits:** (3)
- PHILO 305 - Reasons, Decisions and Society **Credits:** (3)
- PHILO 320 - Symbolic Logic I **Credits:** (3)
- PHILO 330 - Moral Philosophy **Credits:** (3)
- PHILO 335 - Introduction to Social and Political Philosophy **Credits:** (3)
- PHILO 340 - Justification and Reliable Knowledge **Credits:** (3)
- PHILO 345 - Worlds, Things and Properties **Credits:** (3)
- PHILO 681 – Philosophy Portfolio **Credits:** (0)

#### Standard philosophy option

***Philosophy course requirements (36 credit hours)***

- Core curriculum **Credits:** (24)
- \*Philosophy Electives **Credits:** (12) Three of the electives must be at the 500 level or above

**Pre-law options**

While no one major is given preference by law school admission boards, law schools recognize the value of philosophy for refining skills in expression, comprehension, and critical thinking. According to the *Pre-Law Handbook*, “the free and spirited consideration of philosophical questions is almost the model for legal training.”

The department offers two degree options:

***Single Major Option (36 credit hours)***

- Core curriculum **Credits:** (24)
- PHILO 535 - Philosophy of Law **Credits:** (3)
- Related Area Component Credits: (3)  
Choose from:
- PHILO 525 - Social-Political Philosophy **Credits:** (3)
- or
- PHILO 585 - Ethics **Credits:** (3)
- \*Philosophy Electives **Credits:** (6) One of the electives must be at the 500 level or above

***Interdisciplinary Option (30 credit hours)***

- Core curriculum **Credits:** (24)
- PHILO 535 - Philosophy of Law **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)

This option is for students who are interested in a traditional liberal arts course of study.

***Philosophy course requirements (36 credit hours)***

- Core curriculum **Credits:** (24)
- \*Philosophy Electives **Credits:** (12) Three of the electives must be at the 500 level or above

**Pre-law options**

While no one major is given preference by law school admission boards, law schools recognize the value of philosophy for refining skills in expression, comprehension, and critical thinking. According to the *Pre-Law Handbook*, “the free and spirited consideration of philosophical questions is almost the model for legal training.”

The department offers two degree options:

***Single Major Option (36 credit hours)***

- Core curriculum **Credits:** (24)
- PHILO 535 - Philosophy of Law **Credits:** (3)
- Related Area Component Credits: (3)  
Choose from:
- PHILO 525 - Social-Political Philosophy **Credits:** (3)
- or
- PHILO 585 - Ethics **Credits:** (3)
- \*Philosophy Electives **Credits:** (6) One of the electives must be at the 500 level or above

***Interdisciplinary Option (30 credit hours)***

- Core curriculum **Credits:** (24)

- Completion of another major in the College of Arts and Sciences

### Philosophy/pre-business option

The pre-business option is for students who plan to do graduate work leading to a master's in business administration. This program has been developed in accordance with the results of surveys in professional business journals that rate this type of program as an excellent preparation for careers in business leadership.

#### *Single Major Option (36 credit hours)*

- Core curriculum **Credits:** (24)
- PHILO 380 - Philosophy and Race **Credits:** (3)
- **Choose from:**
- PHILO 525 - Social-Political Philosophy **Credits:** (3)
- PHILO 585 - Ethics **Credits:** (3)
- PHILO 650 - Rationality and Action **Credits:** (3)
- or
- PHILO 665 - Philosophy of Economics **Credits:** (3)
- \*Philosophy Electives **Credits:** (6)

#### *Double Major Option (30 credit hours)*

This option is for students who wish to combine a philosophy/pre-business degree with an undergraduate degree in the College of Business Administration.

- Core curriculum **Credits:** (24)
- PHILO 380 - Philosophy and Race **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)

- PHILO 535 - Philosophy of Law **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)
- Completion of another major in the College of Arts and Sciences

### Philosophy/pre-business option

The pre-business option is for students who plan to do graduate work leading to a master's in business administration. This program has been developed in accordance with the results of surveys in professional business journals that rate this type of program as an excellent preparation for careers in business leadership.

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- PHILO 585 - Ethics **Credits:** (3)
- PHILO 650 - Rationality and Action **Credits:** (3)
- or
- PHILO 665 - Philosophy of Economics **Credits:** (3)
- \*Philosophy Electives **Credits:** (6)

#### *Double Major Option (30 credit hours)*

This option is for students who wish to combine a philosophy/pre-business degree with an undergraduate degree in the College of Business Administration.

- Core curriculum **Credits:** (24)
- PHILO 380 - Philosophy and Race **Credits:** (3)

### Philosophy/pre-ministry option

This is a nonsectarian program designed for students who are interested in the religious ministry as a profession. Students will be advised on other courses outside philosophy recommended by most American schools of theology.

#### *Philosophy course requirements (33 credit hours)*

- Core curriculum **Credits:** (24)
- Related Area Component **Credits:** (6)  
Choose two:
- PHILO 510 - Symbolic Logic II **Credits:** (3)
- PHILO 615 - Philosophy of Religion **Credits:** (3)
- PHILO 635 - Metaphysics **Credits:** (3)
- PHILO 640 - Epistemology **Credits:** (3)
- or
- PHILO 655 - Philosophy of Mind **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)
- Additional Requirements **Credits:** (6)  
include:
- Two courses in which religion is studied, from departments other than philosophy. Departmental approval of these courses is required.

### Philosophy/pre-med option

While no one major is given preference by medical schools and related post-graduate programs, their admission committees recognize philosophy as a valuable primary or secondary major. In fact, surveys indicate that nationally, philosophy graduates have some of the highest acceptance rates at medical schools. Students in this program

- \*Philosophy Electives **Credits:** (3)

### Philosophy/pre-ministry option

This is a nonsectarian program designed for students who are interested in the religious ministry as a profession. Students will be advised on other courses outside philosophy recommended by most American schools of theology.

#### *Philosophy course requirements (33 credit hours)*

- Core curriculum **Credits:** (24)
- Related Area Component **Credits:** (6)  
Choose two:
- PHILO 510 - Symbolic Logic II **Credits:** (3)
- PHILO 615 - Philosophy of Religion **Credits:** (3)
- PHILO 635 - Metaphysics **Credits:** (3)
- PHILO 640 - Epistemology **Credits:** (3)
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- PHILO 655 - Philosophy of Mind **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)
- Additional Requirements **Credits:** (6)  
include:
- Two courses in which religion is studied, from departments other than philosophy. Departmental approval of these courses is required.

### Philosophy/pre-med option

While no one major is given preference by medical schools and related post-graduate programs, their admission committees recognize philosophy as a valuable primary or secondary major. In fact, surveys indicate that nationally, philosophy graduates have some of the highest acceptance rates at medical schools. Students in this program

will be advised to supplement their education with an important science component.

***Philosophy course requirements (33 credit hours)***

- Core curriculum **Credits:** (24)
- PHILO 365 - Medical Ethics **Credits:** (3)
- \*Philosophy Electives **Credits:** (9) At least one of the electives must be at the 500 level or above

***Note***

Students choosing this option and planning to apply for medical school are strongly advised to combine it with at least a minor in one of the following disciplines: *biology, chemistry, or physics.*

***Double Major Option (30 credit hours)***

This option is for students who wish to combine a philosophy/pre-med option with another Arts and Sciences major.

- Core curriculum **Credits:** (24)
- PHILO 365 - Medical Ethics **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)
- Completion of another major in the College of Arts and Sciences

***Interdisciplinary Option***

This option is for students who wish to combine a major in philosophy with a major in another discipline. Each student completing a degree under this option must have a faculty advisor in the Department of Philosophy who supervises the student's program.

***Philosophy course requirements (30 credit hours)***

will be advised to supplement their education with an important science component.

***Philosophy course requirements (33 credit hours)***

- Core curriculum **Credits:** (24)
- PHILO 365 - Medical Ethics **Credits:** (3)
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***Note***

Students choosing this option and planning to apply for medical school are strongly advised to combine it with at least a minor in one of the following disciplines: *biology, chemistry, or physics.*

***Double Major Option (30 credit hours)***

This option is for students who wish to combine a philosophy/pre-med option with another Arts and Sciences major.

- Core curriculum **Credits:** (24)
- PHILO 365 - Medical Ethics **Credits:** (3)
- \*Philosophy Electives **Credits:** (3)
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***Interdisciplinary Option***

This option is for students who wish to combine a major in philosophy with a major in another discipline. Each student completing a degree under this option must have a faculty advisor in the Department of Philosophy who supervises the student's program.

***Philosophy course requirements (30 credit hours)***

<ul style="list-style-type: none"> <li>• Core curriculum <b>Credits:</b> (24)</li> <li>• PHILO 680 - Independent Study in Philosophy <b>Credits:</b> (1-18)</li> <li>• *Philosophy Electives <b>Credits:</b> (6) At least one of the electives must be either PHILO 680 or receive prior departmental approval.</li> <li>• Completion of another major in the College of Arts and Sciences</li> </ul>	<ul style="list-style-type: none"> <li>• Core curriculum <b>Credits:</b> (24)</li> <li>• PHILO 680 - Independent Study in Philosophy <b>Credits:</b> (1-18)</li> <li>• *Philosophy Electives <b>Credits:</b> (6) At least one of the electives must be either PHILO 680 or receive prior departmental approval.</li> <li>• Completion of another major in the College of Arts and Sciences</li> </ul>
<b>*Electives</b>	<b>*Electives</b>
Unless otherwise restricted, electives may be chosen from any course with the PHILO designation.	Unless otherwise restricted, electives may be chosen from any course with the PHILO designation.
<b>Total credit hours required for graduation: (120)</b>	<b>Total credit hours required for graduation: (120)</b>

**RATIONALE:** We are adding a capstone seminar course, Philo 681, as a mechanism to enforce compliance with assessment activities. This change requires students to take PHILO 681 (for 0 credits) before graduation. PHILO 681 requires students to submit 3 papers of their choice, which papers are used for assessment purposes.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2016

## Statistics

Statistics and Data Science B.A./B.S.

**FROM:**

Statistics is a combination of classical mathematics, the theory of probability, and new concepts related to inductive reasoning that have developed during the past 75 years.

Almost all activities of plants and animals (including people) depend to some degree on chance events, and most decisions made by people depend on sampling information— which

**TO:**

Statistics is a combination of classical mathematics, the theory of probability, and new concepts related to inductive reasoning that have developed during the past 75 years.

Almost all activities of plants and animals (including people) depend to some degree on chance events, and most decisions made by people depend on sampling information— which

also depends on chance events, and hence on probability. Consequently, fields of interest and activities for a statistician potentially are very broad.

Likewise, the professional activities open to a trained statistician are varied. The existence of modern-day computers relieves the statistician of tedious computations and elevates his or her professional activity to dealing with people and/or engaging in basic research.

Students who major in statistics may seek a bachelor of arts degree or a bachelor of science degree by satisfying the **general requirements** of that degree and by completing the following:

#### Bachelor's degree requirements

#### General requirements

- CIS 111 - Introduction to Computer Programming **Credits:** (3)
- or
- CIS 200 - Programming Fundamentals **Credits:** (4)
- ENGL 516 - Written Communication for the Sciences **Credits:** (3)
- MATH 220 - Analytic Geometry and Calculus I **Credits:** (4)
- MATH 221 - Analytic Geometry and Calculus II **Credits:** (4)
- MATH 222 - Analytic Geometry and Calculus III **Credits:** (4)
- STAT 341 - Biometrics II **Credits:** (3)
- or
- STAT 351 - Business and Economic Statistics II **Credits:** (3)
- STAT courses at the 400 level or higher may replace either or both of the 300-level STAT courses.

also depends on chance events, and hence on probability. Consequently, fields of interest and activities for a statistician potentially are very broad.

Likewise, the professional activities open to a trained statistician are varied. The existence of modern-day computers relieves the statistician of tedious computations and elevates his or her professional activity to dealing with people and/or engaging in basic research.

Students who major in statistics may seek a bachelor of arts degree or a bachelor of science degree by satisfying the **general requirements** of that degree and by completing the following:

#### Bachelor's degree requirements

#### General requirements

- CIS 111 - Introduction to Computer Programming **Credits:** (3)
- or
- CIS 200 - Programming Fundamentals **Credits:** (4)
- or
- CIS 209 – C Programming for Engineers **Credits:** (3)
- ENGL 516 - Written Communication for the Sciences **Credits:** (3)
- MATH 220 - Analytic Geometry and Calculus I **Credits:** (4)
- MATH 221 - Analytic Geometry and Calculus II **Credits:** (4)
- MATH 222 - Analytic Geometry and Calculus III **Credits:** (4)
- MATH 515 – Introduction to Linear Algebra **Credits:** (3)
- or

- STAT 510 - Introductory Probability and Statistics I **Credits:** (3)
- STAT 511 - Introductory Probability and Statistics II **Credits:** (3)
- STAT 705 - Regression and Analysis of Variance **Credits:** (3)

***One course selected from the following list:***

- ~~CIS 209 - C Programming for Engineers **Credits:** (3)~~
- ~~CIS 300 - Data and Program Structures **Credits:** (3)~~
- ~~MATH 551 - Applied Matrix Theory **Credits:** (3)~~

***One course selected from the following list:***

- STAT 325 - Introduction to Statistics **Credits:** (3)
- STAT 340 - Biometrics I **Credits:** (3)
- STAT 350 - Business and Economic Statistics I **Credits:** (3)

***One course selected from the following list:***

- STAT 710 - Sample Survey Methods **Credits:** (3)
- STAT 720 - Design of Experiments **Credits:** (3)
- STAT 722 - Statistical Designs for Product Development and Process Improvement **Credits:** (3)
- ~~Additional STAT credits at 700 level **Credits:** (3)~~

**Notes**

Upper-division quantitative electives to give a total of 46 credit hours. Courses must be at the 400 level or above, and may include IMSE 541,

- MATH 551 – Applied Matrix Theory **Credits:** (3)
- STAT 341 - Biometrics II **Credits:** (3)
- or
- STAT 351 - Business and Economic Statistics II **Credits:** (3)
- STAT 510 - Introductory Probability and Statistics I **Credits:** (3)
- STAT 511 - Introductory Probability and Statistics II **Credits:** (3)
- STAT 705 - Regression and Analysis of Variance **Credits:** (3)
- or
- STAT 713 – Applied Linear Statistical Models **Credits:** (3)
- STAT 725 – Introduction to SAS Computing **Credits:** (1)
- STAT 726 – Introduction to S plus/R Computing **Credits:** (1)
- Additional STAT credits at 700 level **Credits:** (3) (excluding STAT 701 and STAT 703)

***One course selected from the following list:***

- STAT 325 - Introduction to Statistics **Credits:** (3)
- STAT 340 - Biometrics I **Credits:** (3)
- STAT 350 - Business and Economic Statistics I **Credits:** (3)

***One course selected from the following list:***

- STAT 710 - Sample Survey Methods **Credits:** (3)
- STAT 720 - Design of Experiments **Credits:** (3)
- STAT 722 - Statistical Designs for Product Development and Process Improvement **Credits:** (3)

<p>math, computer science, statistics, or course in other area with substantial quantitative content. Note that STAT courses at the 400 level or higher may replace either or both of the 300-level STAT courses.</p> <p>A minimum of <del>2.0 GPA</del> in STAT courses taken as part of the major is required for graduation.</p> <p><b>Total credit hours required for graduation: (120)</b></p>	<p><b>Notes</b></p> <p>Upper-division quantitative electives to give a total of <u>50</u> credit hours. Courses must be at the 400 level or above, and may include IMSE 541, <u>IMSE 785, ECON 630, math, computer science, statistics (excluding STAT 701 and STAT 703), or course in other area with substantial quantitative content.</u> Note that STAT courses at the 400 level or higher may replace either or both of the 300-level STAT courses.</p> <p><u>Note that STAT courses at the 400 level or higher may replace either or both of the 300 level STAT courses, but credit may be received for only one of STAT 701 or STAT 703. STAT 770 and STAT 771 may replace STAT 510 and STAT 511, respectively, subject to department approval</u></p> <p>A minimum <u>grade of C in each</u> course taken as part of the major is required for graduation.</p> <p><b>Total credit hours required for graduation: (120)</b></p>
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**RATIONALE:** We propose (1) to modify the course requirements for the undergraduate major in statistics to modernize the program and (2) to change the name of the major to Statistics and Data Science to more accurately reflect the nature of the discipline. Statistics is fast-growing major throughout the country, and the proposed changes are intended to capitalize on the popularity. In addition, the modification of the course requirements will help in the development of a concurrent BS/MS program in statistics.

**IMPACT:** Departments that will be minimally impacted are Mathematics, Computing and Information Systems, and Industrial and Manufacturing Systems Engineering. All three departments were contacted via email on 8 Sept, 2015 (see attached email), and all three departments supported the changes.

**EFFECTIVE DATE:** Fall 2016

# NON-EXPEDITED CURRICULUM PROPOSALS

## Graduate

### **Graduate Certificate in Data Analysis**

ADD:

#### **Graduate Certificate in Data Analytics**

The graduate certificate in data analytics is designed to meet two learning objectives:

1. Students learn to analyze large data sets to provide insight for practical problems
2. Students learn to relate patterns shown in the data to real-world situations and communicate the implications of these patterns to others not involved in the analysis

To achieve these learning goals, the certificate offers courses in both data science and data analytics to enable students to learn how to mine and effectively communicate the meanings of large data sets. Courses in data science provide an understanding of how to appropriately choose data manipulations and algorithms for effective data analysis. Courses in data analytics enable students to relate patterns and communicate the implications of the data for real-world situations.

#### **Admissions and Plan of Study**

All students entering the program must have at least one course in fundamental statistics (such as STAT 350, Business and Economics Statistics or STAT 325 Introduction to Statistics) and at least one course in Calculus (Business or Fundamental Calculus). Students should have an advanced level of comfort working with computer applications. Some courses available in the program may require significant additional preparation in computer systems, mathematics or statistics. This pre-requisite knowledge will be assessed by the program advisor *prior to* admission based on an evaluation of the content of courses listed on the individual's academic transcript.

Upon application to the program and presuming the student meets other requirements for admission (3.0 GPA and successful completion of undergraduate degree) students will meet with a program advisor to evaluate the potential student's foundational knowledge to participate in the program, and to outline a program of study. Program advisors will also direct prospective students to courses and other resources that will enable students to acquire additional background in prerequisite areas for the program or individual courses and make them stronger candidates for admission to the program. Upon successful completion of this plan and approval by two members of the steering committee, students will be admitted and assigned to a program advisor, who will continue to consult with that student as they progress throughout the program.

#### **Curriculum**

The curriculum consists of the following components:

**Elective courses** – 12 credit hours -- At least one course must be classified as Data Science and one course classified as Applied Analytics as determined by the program advisor

**GENBA 894: Data Analytics Capstone** – 3 credit hours

The elective courses available will be provided by a cross-disciplinary group of faculty in multiple departments and will be made available through the student's program advisor. Courses currently available online are listed below.

**Electives (3 hours each):**

<b>Data Science</b>	<b>Applied Analytics</b>	
MATH 725 The Mathematics of Data and Networks I Online development pending	*IMSE 785 Big Data Analytics	
MATH 726 The Mathematics of Data and Networks II Online development pending	* MANGT 665 Business Analytics and Data Mining	
* STAT 705 Regression and Analysis of Variance	* MANGT 670 Social Media Analytics and Web Mining	
* STAT 730 Multivariate Statistical Methods	* MKTG 880 Advanced Business Intelligence for Strategic Decision Making	
* CIS 730 Principles of Artificial Intelligence	*MKTG 881 Applied Business Data Analytics	
*CIS 732 Machine Learning and Pattern Recognition		
*CIS 734 Introduction to Genomics and Bioinformatics		
CIS XXX Programming Techniques for Big Data Analytics Online development pending		
*CIS 833 Information Retrieval and Text Mining Online fall 2017		

\*Courses available online. See the separate grid in Appendix B for more detail regarding the minimum prerequisites required for each course.

**Capstone Course (3 hours)**

All students must complete the capstone course, GENBA 894: Data Analytics Capstone for 3 credits. This course is a hands-on, project-based course completed in cross-disciplinary groups. The capstone course will require students to work together on projects that will demonstrate their ability to collaboratively analyze large datasets, provide insight for practical problems and effectively communicate the resulting insights. This will assure interactive learning and will reflect real-world experience where graduates of the program will be expected to work on both data science and data analytics tasks. At the conclusion of the project, the student will present results to the faculty and fellow students and receive feedback on their efforts.

Students will select one of two options for the capstone course with the approval and supervision of the faculty assigned to the course. In Option 1, the student will work with a team of fellow students to complete an applied analytics project under the direction of a team of faculty, representing both the data science and applied analytics specialties. In Option 2, the student will work on a project to solve a data analytics or data science problem in their workplace.

**RATIONALE:** In response to the growing demand for educational resources and skill development in the mining, management and interpretation of “Big Data”, a 15-credit hour online graduate certificate program will be provided to enable students to increase their knowledge and to prepare them for expanding opportunities in this high demand area. The area of Data Analytics is broad, and the skill needs of professionals in this area span both technical data science capabilities and applied data analytics capabilities. As such, the certificate brings together courses that are foundational to knowledge and skill development in both data sciences and applied data analytics, in order to provide alternatives to develop a personalized plan to meet the needs of individual students in the program. Based on market research and focus groups with corporate employees that express the need for access to this program, the program will be offered in an online format. A more extensive Needs Assessment and Program Demand evaluation can be found in Appendix A of the attached proposal.

**IMPACT:** This program impacts those units submitting the proposal only. Other units may voluntarily choose to provide courses to the certificate. The units submitting the proposal are: Management, Marketing, Computer and Information Sciences, Industrial and Systems Engineering, Mathematics, and Statistics.

**EFFECTIVE DATE:** Fall 2016

### **Ph.D. in Leadership Communication**

**ADD:**

This is an interdisciplinary program offered by Communications Studies, the Staley School of Leadership Studies, and Communications and Agricultural Education. This program focuses on community-engaged leadership, including processes of influence, deliberation, and dialogue to make progress on the world's most difficult issues. It will integrate experimental, theoretical, and applied approaches to understand leadership and communication. Graduates will use community-engaged scholarship to transform the academic, nonprofit, government, private, and civic spaces in which they live and work.

Supervising committees in the Leadership Communication Ph.D. program are directed by a minimum of five members of the university graduate faculty, including a major professor with substantial expertise in the area of emphasis, one other faculty member with strengths in the area of emphasis, one faculty member outside the student's specialization, and one faculty member, appointed by the dean of the Graduate School, from another department within the College of Arts and Sciences, College of Education, or College of Agriculture who serves as the chair of the examination committee for the oral defense of the dissertation.

Each student's program of study is individualized with the approval of the major professor and the supervisory committee to optimize the student's interests, expertise, and professional goals.

Information on this Ph.D. program may be obtained from the director, David Proctor, [dproctor@ksu.edu](mailto:dproctor@ksu.edu).

TOTAL = (90)

The Doctor of Philosophy (Ph.D.) in Leadership and Communication requires a minimum of 90 postbaccalaureate, graduate credit hours. With the approval of the supervisory committee, up to 30 graduate post-secondary may be used to satisfy the degree requirements.

### Core (18 credit hours)

- LEAD 801 – Foundations of Leadership Credits: (3)
- LEAD/COMM/AGCOM 814 – Graduate Studies in Leadership and Communication Credits: (3)
- LEAD/COMM/AGCOM 815 – Seminar in Leadership and Communication Credits: (1) (This seminar is offered each semester. Students must enroll for a minimum of 3 credit hours over 3 semesters)
- LEAD/COMM/AGCOM 845 – Approaches to Public/Community Engagement Credits: (3)
- COMM/AGCOM 916 – Communication Theories and Engagement Credits: (3)
- LEAD/COMM/AGCOM 945 – Public Problem-Solving Credits: (3)

### Research Methodologies (12 credit hours)

Choose 12 credit hours from the following list. This should be done in consultation with your committee.

- COMM 821 – Experimental Research in Communication Studies Credits: (3)
- COMM 822 – Field Research in Communication Studies Credits: (3)
- EDCEP 817 – Statistical Methods in Education Credits: (3)
- EDCEP 917 – Experimental Design in Educational Research Credits: (3)
- EDLEA 838 – Qualitative Research in Education Credits: (3)
- EDLEA 938 – Advanced Data Analysis in Qualitative Methods Credits: (3)
- EDLEA 948 – Data Representation and Writing in Qualitative Methods Credits: (3)
- PLAN 803 – Community Research Methods Credits: (3)
- POLSC 901 – Advanced Research Methods II Credits: (3)
- PSYCH 802 – Psychological Research Design and Analysis I Credits: (3)
- PSYCG 805 – Psychological Research Design and Analysis II Credits: (3)
- SOCIO 822 – Introduction Methods of Social Analysis Credits: (3)
- SOCIO 823 – Intermediate Methods of Social Research Credits: (3)
- SOCIO 824 – Qualitative Methodology Credits: (3)
- SOCIO 825 – Quantitative Methodology Credits: (3)

### Electives (15 credit hours)

Students will work with their committees to select 15 credit hours of elective courses appropriate for their programs of study. Students will be directed in a particular sequence to enhance student knowledge and practice in a concentrated area.

Possible areas of concentration include:

#### Certificate in Dialogue, Deliberation and Public Engagement

- COMM 790 – Dialogue, Deliberation and Public Engagement: Theoretical Models Credits: (3)
- COMM 791 – Dialogue, Deliberation and Public Engagement: Practice Models Face-to-Face Workshop Credits: (3)

- COMM 792 – Dialogue, Deliberation and Public Engagement: Core Skills and Strategies Credits: (3)
- COMM 793 – Dialogue, Deliberation and Public Engagement: Capstone Symposium Credits: (3)

Certificate in Social Justice Education

- DED 820 – Foundations of Social Justice Education: Research, Theory, and Practice Credits: (3)
- DED 880 – Reflective Practice in Social Justice Education Credits: (3)  
(6-9 credit hours in certificate electives including: )  
EDCEP 830 – Diversity in Higher Education Credits: (3)  
EDLEA 801 – Ethical Dimensions of Leadership Credits: (3)  
EDLEA 834 – Strategies for Educational Change Credits: (3)  
EDLEA 845 – Leadership for Diverse Populations Credits: (3)

Dissertation Research (15 credit hours)

Completion of a dissertation which examines a topic congruent with the program of study using a systematic methodology consistent with accepted research paradigms; the dissertation must be successfully defended in a public, oral defense.

- LEAD/COMM/AGCOM 999 – Research in Leadership and Communication Credits (1-15)

**RATIONALE:** The proposed Kansas State University Ph.D. in Leadership and Communication recognizes the need for interdisciplinary approaches to solving complex challenges. This program focuses on community-engaged leadership, including processes of influence, deliberation, and dialogue to make progress on the world's most difficult issues. It will integrate experiential, theoretical, and applied approaches to understand leadership and communication. Graduates will use community-engaged scholarship to transform the academic, nonprofit, government, private, and civic spaces in which they live and work.

This national program will advance the goals of K-State 2025 by creating a new interdisciplinary doctoral program. With this program we will increase the number of doctoral degrees and advance high impact research and community-engagement at K-State. The program creates and offers opportunities for K-State research faculty to partner with communities to develop and disseminate ideas. This one-of-a-kind program will recruit and retain high quality researchers and graduates, contributing to the university's 2025 goal of becoming a top 50 public research university.

**IMPACT:** All of the following departments were contacted in September to discuss impact. AGCOM, COMM, EDCEP, EDLEA, LEAD, POSLC/Security Studies, and SOCIO report no objection. PSYCH has been contacted and replied that they could accommodate some but not a large amount of students in their courses. We will work with them through instructor permission to manage enrollment.

PLAN has been contacted and our faculties are planning to meet to understand each other's programs and work on points of collaboration.

EFFECTIVE DATE:            Fall 2016