

COLLEGE OF ARTS AND SCIENCES  
COURSE AND CURRICULUM CHANGES

To be considered at the College of Arts and Sciences Faculty  
Meeting

April 6, 2017  
Eisenhower 015

Undergraduate/Graduate  
Non-Expedited

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Units outside the College of Arts and Sciences affected: Human  
Ecology, Agriculture, Education, and Engineering.

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

### **Art**

**ADD:** ART 303 – Graphic Design for Non-majors. (3) I, II. This course is a hands-on course intended to introduce non-majors to the visual and critical thinking skills that graphic designers use when creating print-based communication using text and image. K-State 8: Aesthetic Interpretation.

**K-STATE 8 RATIONALE:** Students will learn the visual and critical thinking skills that graphic designers use when creating aesthetically pleasing print based communication using text and image.

**RATIONALE:** Provide course content and skills sought out by other campus disciplines, e.g. JMCC, ARCH, ATID, etc.

**IMPACT:** None

**EFFECTIVE DATE:** Spring 2018

**ADD:** ART 313 – Fundamentals of Fiberart and Material Studies. (3) I, II. Introduction to fiberart processes and innovative material as an art form in methods such as small scale tapestry weaving; fabric dye techniques; dye discharge techniques; fabric pigment applications of painting, stamping, printing; and non-loom basketry coiling or felting. Pr.: None. K-State 8: Aesthetic Interpretation.

**K-STATE 8 RATIONALE:** Students will learn how to construct meaning from their aesthetic choices as they make art and develop a critical language to enable them to critique their peer's projects.

**RATIONALE:** To give a special topics course that has been offered several times a permanent number.

**IMPACT:** None. It doesn't have any pre-requisites and is open to non-majors.

**EFFECTIVE DATE:** Spring 2018

### **Biology**

**DROP:** BIOL 340 – Human Body. (8) I, II. Anatomy and physiology of the organ systems of the human body. Laboratory includes physiology experiments, study of anatomy from human cadavers, dissection experience, x-rays, and slide work. Note: Five hours lecture and two three-hour lab sessions a week.

**RATIONALE:** We are requesting that the course will be discontinued and replaced by two four-credit courses, Human Body I and II (BIOL 341 and 342).

**IMPACT:** This change will impact other departments, principally those in the College of Human Ecology and Engineering, specifically the departments of: Kinesiology, Human Nutrition, Family Studies and Human Services, Electrical/Biomedical Engineering. Additionally, the department of Animal Science could have impacted students. An email was sent to all department heads of potentially impacted units on 10/27/16. Responses received from the department head of Animal Science and the dean of Human Ecology, both encouraged this change. No other responses have been received.

**EFFECTIVE DATE:** Fall 2018

**ADD:** BIOL 341 – Human Body I. (4) I, II, S. Human anatomy with an introduction to human physiology. Examination of cadavers, dissection of specimens, use and interpretation of EKGs, myelograms, and radiographs. Note: two hours lecture per week and two two-hour lab sessions per week. Pr.: BIOL 198 taken at K-State (with a B or better) Plus all of the following 3: 1) Cumulative GPA of 3.0; 2) Sophomore standing; 3) CHM 110/CHM111, CHM 210 or CHM 230 (or transfer equivalent) with a B or better. Alternative: Transferred BIOL 198 (with a B or better) Plus all of the following 4: 1) Cumulative GPA of 3.0; 2) Sophomore standing; 3) CHM 110/CHM 111, CHM 210 or CHM 230 (or transfer equivalent) with a B or better; 4) one of the following taken at K-State with a B or better: PHYS 113 or PHYS 213 or any biology course with a lab component and BIOL 198 as a prerequisite. K-State 8: None.

**RATIONALE:** The current one semester, 8-credit hour setup is becoming less and less acceptable to professional schools who would prefer students to have two 4-hour courses. This is the first proposed addition. Human Body I would focus on anatomy with a light introduction to physiology as each anatomical or body system is encountered. This course, offered as a 4-hour course with 2 hours of lecture per week and 4 hours of lab per week, would provide ample time for this. Pre-reqs would remain the same as those currently required for Human Body (8-hour version). Human Body I would be offered in the summer and fall but not in the spring.

**IMPACT:** This change will impact other departments, principally those in the College of Human Ecology and Engineering, specifically the departments of: Kinesiology, Human Nutrition, Family Studies and Human Services, Electrical/Biomedical Engineering. Additionally, the department of Animal Science could have impacted students. An email was sent to all department heads of potentially impacted units on 10/27/16. Responses received from the department head of Animal Science and the dean of Human Ecology, both encouraged this change. No other responses have been received.

**EFFECTIVE DATE:** Fall 2018

**ADD:** BIOL 342 – Human Body II. (4) I, II. Human physiology with a review of anatomy from Human Body I. Note: 3 hours lecture and two hours of lab per week. Pr.: B or better in Human Body I. K-State 8: None.

**RATIONALE:** The current one semester, 8-credit hour setup is becoming less and less acceptable to professional schools who would prefer students to have two 4-hour courses. This is the first proposed addition. Human Body II would focus on physiology with a review of anatomy from Human Body I; it is hoped this would allow more time to explore more physiological systems. This course would likely be a 4-hour course with 3 hours of lecture and 2 hours of lab per week. Pre-requisites for Human Body I would remain the same as those required for the current BIOL 340 while the pre-requisites for Human Body II would be a B or better in Human Body I. Furthermore, enrollment in BIOL 365, cadaver dissection, would require a B or better in both Human Body I and II. Human Body II would only be offered in the spring.

**IMPACT:** This change will impact other departments, principally those in the College of Human Ecology and Engineering, specifically the departments of: Kinesiology, Human Nutrition, Family Studies and Human Services, Electrical/Biomedical Engineering. Additionally, the department of Animal Science could have impacted students. An email was sent to all department heads of potentially impacted units on 10/27/16. Responses received from the department head of Animal Science and the dean of Human Ecology, both encouraged this change. No other responses have been received.

**EFFECTIVE DATE:** Fall 2018

### **Communication Studies**

**ADD:** COMM 537 – Negotiation and Communication. (3) II. Develops conceptual knowledge and skill in negotiation in multiple contexts and examines the constitutive nature of communication in the negotiation process. Pr.: None. K-State 8: Ethical Reasoning and Responsibility; Human Diversity within the U.S.

**K-STATE 8 RATIONALE:** Ethical Reasoning & Responsibility: Negotiation is an inherent part of “thinking through ethical dilemmas and making sound decisions when facing real-life decisions.” The course trains students in how to identify issues and interests from multiple perspectives, examine ethical frameworks from which to understand and evaluate behavior, and respond when people take different approaches rooted in those differing ethical frameworks to negotiating. Students use exercises to work through ethical dilemmas rooted in environmental conflict, business, and family relationships. Human Diversity within the United States: Part of learning to be a good negotiator is to develop “awareness of self and others,” including awareness regarding group identity, and cultural norms as they impact the negotiation process. Along with identifying and discussing cultural factors that impact how negotiations unfold, students also explore the

implication of negotiation practices on how people manage conflicts involving, for example, race, multiculturalism, and globalization. Such practices include trust development and its intersection with conflict intractability, identity and its intersection with intergroup conflict; power and its intersection with social dilemmas; and reciprocity and its intersection with labor-management disputes (which are inherently tied with social structure & group affiliation).

**RATIONALE:** Negotiation pervades our relationships. Whether negotiating car process, group responsibilities, pay raises, or relationship futures, people negotiate far more often than they may realize. This course is designed to explore negotiation processes and practices in different contexts. It looks at tensions, strategies, objectives, and motivations involved in negotiation. It covers approaches to negotiation, processes in negotiation, and contexts of negotiation, with the aim of improving understanding of negotiation concepts and confidence in negotiation skills. Given that communication is a necessary element of negotiation – constituting the very process of negotiation, this course highlights the communicative foundation as well.

**IMPACT:** This course was brought to the attention of the head of Communication Studies in spring 2016 and was received favorably. Terrie McCants, director of the Conflict Resolution program, also supported the development of the course and has expressed her strong desire for it to be cross-listed as a CNRES course.

**EFFECTIVE DATE:** Spring 2018

### **Dean's Office, College of Arts and Sciences**

**ADD:** DAS 498 – Social Sciences Capstone. (0-1) I, II, S. Individual exploration of the social science major to synthesize knowledge and skills acquired in social science courses. Required for social science interdisciplinary major. Pr.: Permission of social science advisor. K-State 8: None.

**RATIONALE:** This required course focuses students' attention on how their individualized curriculum enhances their understanding of society and their development of transferable skills and life interests. The report will be used to help assess the Social Science program.

**IMPACT:** No impacts on other units.

**EFFECTIVE DATE:** Spring 2018

### **Journalism and Mass Communications**

**ADD:** MC 130 – Writing Conventions and Mechanics. (1) I, II, S. Reorientation to basic rules of grammar, spelling and punctuation, and assessment of student writing skills prior to admission to the A.Q. Miller School. Students must successfully complete MC 130 before advancing into the program. Pr.: None. K-State 8: None.

**RATIONALE:** MC 130 is one of three new one-hour courses designed to enhance the writing skills of students interested in pursuing the journalism or strategic communication majors in the A.Q. Miller School of Journalism and Mass Communications. MC 130 is designed to reacquaint students with basic grammar, spelling and punctuation, and upon completion they will take a writing test that will determine their admissibility as a major. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

**IMPACT:** We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 131 – Media Writing Styles and Platforms. (1) I, II, S. The basics of Associated Press writing style and writing across media platforms. Pr.: None. K-State 8: None.

**RATIONALE:** MC 131 is one of three new one-hour courses designed to enhance the writing skills of students interested in pursuing the journalism or strategic communications majors in the A.Q. Miller School of Journalism and Mass Communications. MC 131 is a basic orientation to the Associated Press writing style as students are exposed to writing across platforms in broadcasting, print, digital media, social media, advertising, and public relations. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

**IMPACT:** We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 132 – Writing Perspectives. (1) I, II, S. Basic exposure to writing across platforms for target audiences in journalism and strategic communications. Pr.: None. K-State 8: None.

**RATIONALE:** MC 132 is one of three new one-hour courses designed to enhance the writing skills of students interested in pursuing the journalism or strategic communications majors in the A.Q. Miller School of Journalism and Mass Communications. MC 132 is a basic orientation writing applications in journalism, advertising and public relations from the standpoint of understanding target audiences and developing basic information and strategic communications products. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

**IMPACT:** We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 160 – Principles of Journalism. (3) I, II, S. An overview of the current news industry, including legacy media and newer platforms. Introduction to news gathering and reporting, including hands-on work on the multi-platform JMC NewsDesk. Pr.: None. K-State 8: None.

**RATIONALE:** The A.Q. Miller School’s journalism sequence needs a course to introduce students to career opportunities as information providers, or to cover the foundations of American and international journalism. Department assessments have shown that senior level students sometimes have difficulty in discerning actual news content from other types of informational features. This course will give students a better understanding of news, provide an overview of the state of the news media, introduce multimedia platforms for news distribution and get students in touch with basic reporting concepts.

**IMPACT:** This course has received approval from Jason Ellis, chair of curriculum for Agricultural Communications; David Nichols, lead advisor for Animal Science Communications and Marketing; and Todd Goodson, Associate Professor of Curriculum and Instruction (and head of the College of Education’s Secondary Journalism and English/journalism degree plans). E-mail messages of support from Jason and David are enclosed, and Dr. Goodson’s approval was indicated in a telephone call on January 22, 2017.

**EFFECTIVE DATE:** Spring 2018

ADD: MC 166 – KKSU-TV Participation. (0) I, II. Exposure to basic video production roles and participation in producing a television program for KKSU-TV. Pr.: None. K-State 8: None. Course is repeatable.

RATIONALE: The A.Q. Miller School curriculum has traditionally had a zero credit course, MC 165 KSDB Audition, which has provided a structural framework for students from across campus to participate in the operation of the radio station. The project has traditionally worked well, and we wish to establish a similar zero credit class for students from across campus to participate in the operation of our low-power TV station, KKSU-TV Channel 21. This plan would be of particular value to JMC pre-majors, who currently have no way to participate in the television station operation (such participation is currently provided only to students enrolled in our advanced news and production courses). But students from across campus, especially in our constituent programs (Agricultural Communications, Animal Science Communications and Marketing, Secondary Journalism and English/Journalism) would benefit from this opportunity.

IMPACT: Other departments on campus – College of Education (the Secondary Journalism and English/Journalism tracks) and College of Agriculture (the Ag Communications and Animal Science Communications and Marketing degrees) – were contacted and no reservations were expressed. Todd Goodson of the College of Education expressed support for this change on January 27, 2017. David Nichols from the Animal Science Communications and Marketing degree program approved the action on January 26 (e-mail included). Jason Ellis for Ag Communications indicated his endorsement of this class on January 31 (e-mail included).

EFFECTIVE DATE: Spring 2018

FROM: MC 180 – ~~Fundamentals of Public Relations~~. (3) I, II, S. Lecture. Contemporary persuasive social science principles, processes, and issues involved in the management of communications between an organization and its public. Pr.: None. ~~K-State 8: None~~.

TO: MC 180 – Principles of Public Relations. (3) I, II, S. Lecture. Contemporary persuasive social science principles, processes, and issues involved in the management of communications between an organization and its public. Pr.: None. K-State 8: Social Sciences.

K-STATE 8 RATIONLE: Principles of Public Relations is a class that exposed students to the public relations profession and the pervasive nature of public relations in society.

RATIONALE: This action seeks to 1) Change the name of the class to make the title correspond with the other entry-level sequence-specific classes in the School (they bear the title “Principles of...), and 2) get MC180 Principles of Public Relations added as a “K-State 8” class. The class is the type of class that would easily meet the “social science” classification.



**IMPACT:** This is an internal action and would not affect other departments on campus...in fact, this would be an enhancement for students as it would give them another social science option in the K-State 8 program.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 190 – Topics in Journalism and Mass Communications. (1-3) I, II, S. Selected topics in the study of mass communication practices and principles. May be repeated for credit with topic varies. Pr.: None. K-State 8: None.

**RATIONALE:** Journalism and Mass Communications is a discipline that is constantly changing, which means that the A.Q. Miller School must respond to this dynamic by developing courses covering subjects related to this industry turbulence. Some classes are taught on a short-term basis, while others later become regularized classes. Currently, the A.Q. Miller School has only one number by which we can offer classes on a trial basis, MC 290. The number is currently our only option to handle all trial classes below the 500 level, which means that the intended level of a class can be inflated or deflated. For instance, a class we are currently offering as MC 290 should probably be introduced at the 300- or 400-level. Oftentimes, this is a factor for students who must be cognizant of ensuring they are taking enough courses at the 300-plus level, while other times it means that an introductory class should be a 100-level class is inflated in its value. We thus seek to establish numbers at each level by which we can do trials on new courses at the appropriate level.

**IMPACT:** This is strictly an internal matter and will not affect other departments on campus.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 191 – Audio Production Foundations. (1) I, II, S. Basic audio production concepts and techniques. Pr.: None. K-State 8: None.

**RATIONALE:** MC 191 is one of six one-hour courses designed to expose students to the basic skills associated with producing media in journalism and strategic communications. This class is open to all University students, and may be completed as one of three required hours in production foundations for majors in the A.Q. Miller School of Journalism and Mass Communications. MC 191 provides basic exposure to audio production concepts and techniques. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

**IMPACT:** We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we

have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

EFFECTIVE DATE: Spring 2018

ADD: MC 192 – Pixel Foundations. (1) I, II, S. Theory and practical application of two dimensional computer photo editing and production using professional editing software. Pr.: None. K-State 8: None.

RATIONALE: MC 192 is one of six one-hour courses designed to expose students to the basic skills associated with producing media in journalism and strategic communications. This class is open to all University students, and may be completed as one of three required hours in production foundations for majors in the A.Q. Miller School of Journalism and Mass Communications. MC 192 covers theory and practical application of two-dimensional computer photo editing and production using professional photo editing software. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

IMPACT: We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

EFFECTIVE DATE: Spring 2018

ADD: MC 193 – Video Production Foundations. (1) I, II, S. Basic video production practices with a focus on editing concepts. Pr.: None. K-State 8: None.

RATIONALE: MC 193 is one of six one-hour courses designed to expose students to the basic skills associated with producing media in journalism and strategic communications. This class is open to all University students, and may be completed as one of three required hours in production foundations for majors in the A.Q. Miller School of Journalism and Mass Communications. MC 193 covers basic video production practices with a focus on editing. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

IMPACT: We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

EFFECTIVE DATE: Spring 2018

ADD: MC 194 – Social Media Foundations. (1) I, II, S. An introduction to basic concepts and uses of social media. Pr.: None. K-State 8: None.

RATIONALE: MC 194 is one of six one-hour courses designed to expose students to basic skills associated with producing media in journalism and strategic communications. This class is open to all University students, and may be completed as one of three required hours in production foundations for majors in the A.Q. Miller School of Journalism and Mass Communications. MC 194 is an introduction to basic concepts and uses of social media. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

IMPACT: We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

EFFECTIVE DATE: Spring 2018

ADD: MC 195 – Vector Foundations. (1) I, II, S. Creating vector graphics and documents using professional standard design software for journalism and strategic communication products. Pr.: None. K-State 8: None.

RATIONALE: MC 195 is one of six one-hour courses designed to expose students to basic skills associated with producing media in journalism and strategic communications. This class is open to all University students, and may be completed as one of three required hours in production foundations for majors in the A.Q. Miller School of Journalism and Mass Communications. MC 195 teaches students to create vector graphics and documents with professional standard design software, studying such concepts as typography, objects, layout and color, in creating journalism and strategic communication products. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

IMPACT: We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

EFFECTIVE DATE: Spring 2018

**ADD:** MC 196 – Web-CMS Foundations. (1) I, II, S. Producing and publishing content across web formats and content management systems. Pr.: None. K-State 8: None.

**RATIONALE:** MC 196 is one of six one-hour courses designed to expose students to basic skills associated with producing media in journalism and strategic communications. This class is open to all University students, and may be completed as one of three required hours in production foundations for all majors in the A.Q. Miller School of Journalism and Mass Communications. MC 196 teaches students the fundamentals of working with professional standard web formats and content management systems. This course will be offered as a one-hour module to better accommodate the curriculum needs of our partners in Agricultural Communications and Journalism, Animal Science Communications and Marketing and the College of Education.

**IMPACT:** We have e-mails from Jason Ellis of Agricultural Communications and Journalism and Todd Goodson of the College of Education endorsing this class, and we have verbal acceptance of the class from David Nichols of the Animal Science Communications and Marketing program, who met with us on February 15, 2017.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 390 – Topics in Journalism and Mass Communications. (1-3) I, II, S. Selected topics in the study of mass communications practices and principles. May be repeated for credit when topic varies. Pr.: None. K-State 8: None.

**RATIONALE:** Journalism and Mass Communications is a discipline that is constantly changing, which means that the A.Q. Miller School must respond to this dynamic by developing courses covering subjects related to this industry turbulence. Some classes are taught on a short-term basis, while others later become regularized classes. Currently, the A.Q. Miller School has only one number by which we can offer classes on a trial basis, MC 290. The number is currently our only option to handle all trial classes below the 500 level, which means that the intended level of a class can be inflated or deflated. For instance, a class we are currently offering as MC 290 should probably be introduced at the 300- or 400-level. Oftentimes, this is a factor for students who must be cognizant of ensuring they are taking enough courses at the 300-plus level, while other times it means that an introductory class should be a 100-level class is inflated in its value. We thus seek to establish numbers at each level by which we can do trials on new courses at the appropriate level.

**IMPACT:** This is strictly an internal matter and will not affect other departments on campus.

**EFFECTIVE DATE:** Spring 2018

**ADD:** MC 490 – Topics in Journalism and Mass Communications. (1-3) I, II, S.  
Selected topics in the study of mass communications practices and principles. May be repeated for credit when topic varies. Pr.: None. K-State 8: None.

**RATIONALE:** Journalism and Mass Communications is a discipline that is constantly changing, which means that the A.Q. Miller School must respond to this dynamic by developing courses covering subjects related to this industry turbulence. Some classes are taught on a short-term basis, while others later become regularized classes. Currently, the A.Q. Miller School has only one number by which we can offer classes on a trial basis, MC 290. The number is currently our only option to handle all trial classes below the 500 level, which means that the intended level of a class can be inflated or deflated. For instance, a class we are currently offering as MC 290 should probably be introduced at the 300- or 400-level. Oftentimes, this is a factor for students who must be cognizant of ensuring they are taking enough courses at the 300-plus level, while other times it means that an introductory class should be a 100-level class is inflated in its value. We thus seek to establish numbers at each level by which we can do trials on new courses at the appropriate level.

**IMPACT:** This is strictly an internal matter and will not affect other departments on campus.

**EFFECTIVE DATE:** Spring 2018

## **Mathematics**

**FROM:** MATH 240— Elementary Differential Equations. (4) I, II, S. Elementary techniques for solving ordinary differential equations and application to solutions of problems in science and engineering. Pr.: ~~C or better in MATH 222~~. K-State 8: Empirical and Quantitative Reasoning.

**TO:** MATH 340 - Elementary Differential Equations. (4) I, II, S. Elementary techniques for solving ordinary differential equations and application to solutions of problems in science and engineering. Pr.: C or better in MATH 221. K-State 8: Empirical and Quantitative Reasoning.

**RATIONALE:** We are just changing the course number from 240 to 340. It is unusual to have a 200-level course with a prerequisite of completing a three course sequence already at the 200 level (Calculus 1, 2, and 3; 220-221-222). Making this course 300-level will bring us in line with most peer institutions and may simplify transfer for our students. We are not planning on changing transfer of credit into 340 from current practice.

**IMPACT:** This shouldn't impact another unit since it is just changing the number and not the course. College of Engineering was contacted on Feb. 27 as a courtesy and indicated no issues.

**EFFECTIVE DATE:** Spring 2018

## **Modern Languages**

**FROM:** SPAN 580 – Introduction to Spanish Linguistics. (3) ~~I~~, II. Introduction to the fundamentals of linguistic analysis, including the sound system, word and sentence formation, and semantic and pragmatic meaning. Formal and usage-based perspectives. Application of linguistics to language acquisition theory and to pedagogy. 100% Recitation. Taught in Spanish. Pr.: Minimum of 3 hours at the 500-level or equivalent. K-State 8: Aesthetic Interpretation; ~~Ethical Reasoning and Responsibility~~.

**TO:** SPAN 580 – Introduction to Spanish Linguistics. (3) II. Introduction to the fundamentals of linguistic analysis, including the sound system, word and sentence formation, and semantic and pragmatic meaning. Formal and usage-based perspectives. Application of linguistics to language acquisition theory and to pedagogy. 100% Recitation. Taught in Spanish. Pr.: Minimum of 3 hours at the 500-level or equivalent. K-State 8: Aesthetic Interpretation; Social Science.

**RATIONALE:** This proposal seeks to have SPAN 580 “Intro to Spanish Linguistics” added to the list of approved courses in (partial) fulfillment of the social science basic requirement of the College of Arts and Sciences. The university course catalog states: “The requirement in the social sciences improves the student’s ability to analyze and understand human social systems” and “Purpose to acquaint students with the adaptation of scientific method to the analysis of human social systems.” Within the list of approved courses it states: “The fourth course must be from the above areas of from: .... Linguistics – any course except LG 601.” It is based on the acceptance of any linguistics course (aside from LG 601) that this proposal is being submitted. The course SPAN 580 is a general introduction to the study of language as system of human communication, with particular focus on the Spanish language. It should be noted that the course is taught in Spanish and the textbook is written in that language, but that the linguistics concepts (phonetics, morphology, syntax, etc.) apply to the study of any language.

**IMPACT:** None

**EFFECTIVE DATE:** Fall 2017

## **Political Science**

**ADD:** POLSC 526 – Comparative Political Institutions. (3) I, II, S. Analysis of political institutions in comparative perspective, including institutional creation and change, the functions and effects of institutional arrangements, as well as how they structure political behavior. Pr.: POLSC 135. K-State 8: Global Issues and Perspectives; Social Sciences.

**K-STATE 8 RATIONALE:** The course provides knowledge on different government institutions across the world. It shows how institutional differences affect policy outcomes and lives. The course is an upper level social science course using standard social science methodologies.

**RATIONALE:** It is now standard in political science curricula at US research universities to offer a broad comparative cross-national course on fundamental political institutions such as constitutions, electoral rules, executive institutions, legislative institutions, judicial institutions, etc. Such courses offer a more comparative, thematic understanding of political institutions than traditional courses focusing on a single geographic region. Since we now have faculty members prepared to offer such a course, we would like to add it to our curriculum.

**IMPACT:** No impact beyond the department.

**EFFECTIVE DATE:** Spring 2018

**ADD:** POLSC 527 – Comparative Political Corruption. (3) I, II, S. Explores the meaning and origins of political corruption. Emphasizes constraints on power and the political economy of corruption-reform efforts from a comparative perspective. Pr.: POLSC 135. K-State 8: Global Issues and Perspectives; Social Sciences.

**K-STATE 8 RATIONALE:** The course provides knowledge on government institutions and patterns of political corruption across the world. It shows how institutional differences in this common phenomenon affect policy outcomes and lives. The course is an upper level social science course using standard social science methodologies.

**RATIONALE:** Political corruption is increasingly studied in a rigorous fashion in our discipline, and the knowledge that has been generated offers valuable insight into the effectiveness of governance. Given advances in the discipline, it has become more common for political science departments to offer courses on political corruption. We now have a faculty member who specializes on this subject, and thus we would like to add this new offering to our course roster.

**IMPACT:** This should not have a direct impact on other units.

**EFFECTIVE DATE:** Spring 2018

# NON-EXPEDITED COURSE PROPOSALS

## Courses Numbered 600-999

### **Mathematics**

**ADD:** MATH 723 – Complex Functions. (3) II. Introduction to the theory of analytic functions, designed to prepare students for the qualifying exams. Holomorphic functions, contour integrals, residue theory, conformal mapping and other topics. 3 hours lecture each week. Pr.: MATH 721 is recommended. K-State 8: None.

**RATIONALE:** We are adding a course in complex functions at the 700-level to help prepare our graduate students for their exams.

**IMPACT:** No impact on other units.

**EFFECTIVE DATE:** Spring 2018

### **Sociology, Anthropology, and Social Work**

**ADD:** SOCIO 838 – Sociology of Culture. (3) I. Intensive reading and discussion of classical and contemporary works relating to the study of culture, all those things that render the world around us comprehensible, communicable, and meaningful. The Focus on collective meaning, the process through which meaning is generated, and the roles collective meanings play in social life.

**RATIONALE:** Over the past two or three decades, the sociological interest in culture has increased dramatically. Tremendous advances have since been made in this field; culture is now a major area of specialization within sociology and attention to culture now plays a significant role in most sub-fields of sociology has started to impact the discipline as a whole. This course seeks to recognize this impact and make the sociological study of culture assessable to our graduate students.

**IMPACT:** This course should not affect other units.

**EFFECTIVE DATE:** Spring 2018



## **Statistics**

**ADD:** STAT 750 – Studies in Probability and Statistics. (1-4) On demand. Studies of topics in probability, statistics, experimental design, stochastic processes, or other topics. May be repeated. Pr.: Instructor consent. K-State 8: None.

**RATIONALE:** This will be a general topics course to change each semester it is offered depending on faculty and student interests. This course will mirror the structure of Stat 950 except to be accessible to upper level undergraduate students and graduate students. As the statistics field evolves and new faculty join the program, a general variable credit and graded topics course is desired for the purpose of educating students on emerging areas or to pilot ideas for new courses for the standard curriculum. The Stat 950 topics are generally out of reach for most MS students and all undergraduate students. Stat 799 is a credit/no credit course and often taken by students completing summer internships off campus as part of I-20 requirements. This course, Stat 750, will be graded and does not overlap with other existing courses.

**IMPACT:** No other units are affected. It may be that another program wants to allow this course as an elective for a major(s).

**EFFECTIVE DATE:** Fall 2017

# NON-EXPEDITED CURRICULUM PROPOSALS

## Undergraduate

### College of Arts and Sciences

College of Arts and Sciences Basic Requirements

FROM:

TO:

College of Arts and Sciences	College of Arts and Sciences
<p>Amit Chakrabarti, Interim Dean            Louise Benjamin, Associate Dean for Academic Affairs  <del>Beth Montelone</del>, Associate Dean            Alison E. Wheatley, Assistant Dean</p> <p><del>117 Eisenhower Hall</del>            785-532-6900            Fax: 785-532-7004  <a href="http://www.k-state.edu/artsci">www.k-state.edu/artsci</a></p> <p>The College of Arts and Sciences is the home of a wide range of disciplines that, together, offer a liberal education to our students. These disciplines include the arts and humanities, the social sciences, and the natural and quantitative sciences. These areas embody the core studies of a university education.</p> <p>A liberal education seeks to develop intellectual skills such as critical analysis, effective communication, and creativity. Majors offered by the college range from those related to specific jobs and professions to those related to vocation in a more general way.</p> <p>Click on any of the following links for information:</p> <ul style="list-style-type: none"> <li>• <a href="#">Additional Requirements for the BA</a></li> </ul>	<p>Amit Chakrabarti, Interim Dean            Louise Benjamin, Associate Dean for Academic Affairs            , Associate Dean <u>for Research</u>            Alison E. Wheatley, Assistant Dean <u>for Student Affairs</u></p> <p><u>Kimathi Choma, Assistant Dean for Diversity and Retention</u></p> <p><u>110 Calvin Hall</u>            785-532-6900            Fax: 785-532-7004  <a href="http://www.k-state.edu/artsci">www.k-state.edu/artsci</a></p> <p>The College of Arts and Sciences is the home of a wide range of disciplines that, together, offer a liberal education to our students. These disciplines include the arts and humanities, the social sciences, and the natural and quantitative sciences. These areas embody the core studies of a university education.</p> <p>A liberal education seeks to develop intellectual skills such as critical analysis, effective communication, and creativity. Majors offered by the college range from those related to specific jobs and professions to those related to vocation in a more general way.</p>

- [Additional Requirements for the BS](#)
- [Advising](#)
- [Bachelor of Fine Arts](#)
- [Bachelor of Music](#)
- [Bachelor of Music Education](#)
- [College of Arts & Sciences basic requirements](#)
- [Cooperative Education](#)
- [Degree Requirements](#)
- [Dual Degree BA or BS](#)
- [English Language Program](#)
- [General Education: K-State 8](#)
- [General Education: UGE](#)
- [Interdisciplinary Studies](#)
- [International Studies Overlay](#)
- [Office for the Advancement of Women in Science and Engineering](#)
- [Pre-Health Professions](#)
- [Programs, Degrees, Majors, Secondary Majors, and Minors](#)
- [Secondary Teacher Licensure](#)
- [Study Abroad](#)
- [Study of the Arts and Sciences Through Primary Texts Certificate](#)
- [University Honors Program](#)

## Additional requirements for the BA

Modern language Level 4 (i.e., French 4, German 4, Spanish 4, etc.) or the equivalent of level 4 in a modern language sequence offered by the Department of Modern Languages. (Conversation "4A" courses do not meet the level 4 requirement.)

Click on any of the following links for information:

- [Additional Requirements for the BA](#)
- [Additional Requirements for the BS](#)
- [Advising](#)
- [Bachelor of Fine Arts](#)
- [Bachelor of Music](#)
- [Bachelor of Music Education](#)
- [College of Arts & Sciences basic requirements](#)
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- [Study of the Arts and Sciences Through Primary Texts Certificate](#)
- [University Honors Program](#)

## Additional requirements for the BA

Modern language Level 4 (i.e., French 4, German 4, Spanish 4, etc.) or the equivalent of level 4 in a modern language sequence offered by the

Purpose: to bring students to a point at which they are able to proceed on their own to a command of a second language—a key for access both to a foreign culture and to much primary and secondary material in many special fields.

Exception: Students who take a language that is normally offered for only two semesters (Latin 101 and 102, for example) may complete their requirement by taking two additional semesters in another language.

Mathematics (One 3-credit-hour course, 100-799 level, or any other course for which there is a mathematics prerequisite)

Purpose: to give students a college-level competence in mathematical reasoning and analysis.

Any course used to satisfy this requirement cannot be used to satisfy any other general education requirement.

## Additional requirements for the BS

Natural sciences (One course, 3 credit hours minimum, with a prerequisite in the same department; for this requirement, biochemistry courses with a chemistry prerequisite qualify as upper-level courses.)

Purpose: to give students who elect the bachelor of science degree an especially solid foundation in the natural sciences.

Courses that qualify are those listed earlier under natural sciences, and:

- Kinesiology—KIN 330, 335, or 650
- Psychology—PSYCH 470 or 480

Quantitative and abstract formal reasoning  
Purpose: to give students training in a clear,

Department of Modern Languages.  
(Conversation "4A" courses do not meet the level 4 requirement.)

Purpose: to bring students to a point at which they are able to proceed on their own to a command of a second language—a key for access both to a foreign culture and to much primary and secondary material in many special fields.

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## Additional requirements for the BS

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Courses that qualify are those listed earlier under natural sciences, and:

- Kinesiology—KIN 330, 335, or 650

non-ambiguous, simplified language for the efficient transfer and logical analysis of information—a language in which a good deal of discussion is conducted in the sciences.

A course that satisfies this requirement may at the same time be used to satisfy any major requirement for which it qualifies. Students may fulfill this requirement ONE of three ways:

1. Three courses, 9 credit hours minimum, selected from:  
Computer science—CIS 111, 200 level or above  
Mathematics—MATH 100 level or above  
Philosophy—PHILO 110, 112, 320, or 510  
Statistics—any course
2. One course and its Level II prerequisite, selected from:  
Geography—GEOG 700 (with a statistics course)  
Physics—PHYS 113 (with MATH 150)  
    PHYS 223 (with MATH 221)  
    PHYS 224 (with MATH 221)  
    PHYS 325 (with MATH 222)  
    PHYS 452 (with MATH 150)  
Sociology—SOCIO 520 (with STAT 325)  
Social work—SOCWK 330 and 530 (with MATH 100)
3. Equivalent competency:  
Competency may be demonstrated by taking two Level II courses or a Level III course from:

Level II courses (two courses):  
Computer science—CIS 200

- Psychology—PSYCH 470 or 480

Quantitative and abstract formal reasoning  
Purpose: to give students training in a clear, non-ambiguous, simplified language for the efficient transfer and logical analysis of information—a language in which a good deal of discussion is conducted in the sciences.

A course that satisfies this requirement may at the same time be used to satisfy any major requirement for which it qualifies. Students may fulfill this requirement ONE of three ways:

1. Three courses, 9 credit hours minimum, selected from:  
Computer science—CIS 111, 200 level or above  
Mathematics—MATH 100 level or above  
Philosophy—PHILO 110, 112, 320, or 510  
Statistics—any course
2. One course and its Level II prerequisite, selected from:  
Geography—GEOG 700 (with a statistics course)  
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    PHYS 223 (with MATH 221)  
    PHYS 224 (with MATH 221)  
    PHYS 325 (with MATH 222)  
    PHYS 452 (with MATH 150)  
Sociology—SOCIO 520 (with STAT 325)  
Social work—SOCWK 330 and 530 (with MATH 100)
3. Equivalent competency:  
Competency may be demonstrated by

Mathematics—MATH 150, 205, 210, or 312  
Philosophy—PHILO 510  
Statistics—STAT 325 or 340 or 350, 703

Level III courses (one course):

Computer science—CIS 300  
Mathematics—MATH 220  
Philosophy—PHILO 701  
Statistics—STAT 341, 351, 704, or 705

## Advising

Students from any college who have declared open option, interdisciplinary, and pre-health professions majors are advised in the office of the dean of the College of Arts and Sciences. Students with other majors within the College of Arts and Sciences are assigned an advisor by the department head who supervises the majors.

## Bachelor of Fine Arts

At least 124 hours are required for graduation. (Students who entered K-State before the fall of 2003 require only 120 hours for graduation.)

The bachelor of fine arts degree is a professionally oriented undergraduate degree in art. It is designed primarily for those planning to become professional artists, artist-teachers, or art therapists. Greater emphasis is placed on actual practice in the creative arts disciplines.

The degree is considered the appropriate preparation for the master of fine arts degree, which is recognized as the terminal degree in studio arts, and for the master's degree in art therapy, which is required for registration as an art therapist. The BFA in art is a four-year, 124-hour program with

taking two Level II courses or a Level III course from:

Level II courses (two courses):

Computer science—CIS 200  
Mathematics—MATH 150, 205, 210, or 312  
Philosophy—PHILO 510  
Statistics—STAT 325 or 340 or 350, 703

Level III courses (one course):

Computer science—CIS 300  
Mathematics—MATH 220  
Philosophy—PHILO 701  
Statistics—STAT 341, 351, 704, or 705

## Advising

Students from any college who have declared open option, interdisciplinary, and pre-health professions majors are advised in the office of the dean of the College of Arts and Sciences. Students with other majors within the College of Arts and Sciences are assigned an advisor by the department head who supervises the majors.

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The degree is considered the appropriate preparation for the master of fine arts

concentrations possible in painting, sculpture, ceramics, graphic design, printmaking, drawing, metalsmithing and jewelry, illustration, digital arts, pre-art therapy, and photography. The degree requirements are as follows:

Basic requirements (~~45 credit hours~~)

- Communications—English composition, ~~two courses~~; and oral communication, ~~one course~~
- Social sciences—~~two courses~~
- Humanities—~~three courses~~
- Philosophy or mathematics—~~one course~~
- Natural sciences—two courses, one with a lab
- General electives—~~11–19~~ hours

Art courses (~~75 credit hours~~)

- Core—~~39~~ hours
- Major—~~21~~ hours
- Art electives and related courses—15 hours

## Bachelor of Music

129–134 credit hours required for graduation

Areas of concentration offered in this curriculum are: all instruments, voice, and composition. A secondary performance area also is required.

Basic requirements (43 credit hours)

Course	Course Title	Credit hours
ENGL 100	Expository Writing I	3

degree, which is recognized as the terminal degree in studio arts, and for the master's degree in art therapy, which is required for registration as an art therapist. The BFA in art is a four-year, 124-hour program with concentrations possible in painting, sculpture, ceramics, graphic design, printmaking, drawing, metalsmithing and jewelry, illustration, digital arts, pre-art therapy, and photography. The degree requirements are as follows:

Basic requirements (46 credit hours)

- Communications—English composition, 6 hours; and oral communication, 2–3 hours
- Social sciences—6 hours
- Humanities—9 hours (except ART courses)
- Philosophy or mathematics—3 hours
- Natural sciences—two courses, one with a lab – 7–9 hours
- General electives—13–14 hours

Art courses (78 credit hours)

- Core—40 hours
- Major—23 hours
- Art electives and related courses—15 hours (does not include 100-level courses)

## Bachelor of Music

129–134 credit hours required for graduation

Areas of concentration offered in this curriculum are: all instruments, voice, and composition. A secondary performance area also is required.

Basic requirements (43 credit hours)

ENGL 200	Expository Writing II	3
COMM 106	Public Speaking I	3
PSYCH 110	General Psychology	3
Any science course		3
Modern language (two courses minimum)		8-10

All students must complete 18 hours of UGE courses selected from the list of approved courses. At least 6 hours must be at the 300 level or above. These courses may overlap requirements specific to the BM degree, but may not include courses in the major.

The remaining hours are to be taken in the area of concentration. For specific music requirements, see the [School of Music, Theatre, and Dance](#) section of this catalog.

## Bachelor of Music Education

141-145 credit hours required for graduation, depending on emphasis

The program of study leading to this degree is a nine-semester curriculum designed to prepare music teachers for grades K-12. With careful planning and enrollment during summer session(s), all requirements may be completed in four years. Within this curriculum there are two optional emphases—one in vocal/choral music, the other in instrumental music.

### Basic requirements

Course	Credit hours
ENGL 100 - Expository Writing I	3

Course	Course Title	Credit hours
ENGL 100	Expository Writing I	3
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COMM 106	Public Speaking I	3
PSYCH 110	General Psychology	3
Any science course		3
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Students must complete at least 18 credit hours of approved UGE courses, one-third (6 credit hours) of which must be at the 300-level or above. Courses may overlap with the Basic Requirements for the College of Arts and Sciences, as listed above. The 18 credit hours may *not include* music courses, or courses taken in the area of concentration. For specific music requirements, see the [School of Music, Theatre, and Dance](#) section of this catalog.

### College of Arts and Sciences basic requirements

The aim of these requirements is to provide breadth in the major areas of knowledge outside of the student's field of specialization. Introductory and intermediate-level courses are available in departments in humanities, social sciences, and natural sciences. Basic requirements are to be fulfilled with courses chosen by students in consultation with their advisor. The requirement in the humanities enables students to appreciate and understand creative and conceptual human endeavor.

The requirement in the social sciences improves the student's ability to analyze and understand human social systems. The requirement in the natural sciences develops the student's knowledge of the principles of scientific method as they are applied in the life and physical science.

Up to two courses from one department may be used to fulfill the distribution requirements for humanities and the social

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sciences. They may be used at the same time to count towards the student's major. No course may be used to satisfy more than one specific requirement for humanities and social sciences. Only courses taken for 2 or more credit hours satisfy these requirements; courses in excess of 5 credit hours count as two courses.

At least 120 credit hours are required for graduation.

### *Humanities*

Four courses, one course for each section, 11 credit hours minimum

**Fine arts** (one course, or at least two credits)

Purpose: to ensure some interpretive or expressive competence in a traditional nonliterary mode of artistic expression.

Choose from the following:

- Anthropology—ANTH 515, 516, or 517
- Art—any course
- Dance—DANCE 120, 165, 171, 181, 460, 503, or 507
- Dean of Arts & Sciences—DAS 100
- Environmental Design – ENVD 210
- Music—MUSIC 100, 112, 170, 210, 220, 230, 245, 249, 250, 255, 280, 310, 385, 420, 424, 455, 480, 570, 601, or 650.
- Theatre—THTRE 260 to 799

**Philosophy** (one course)

Purpose: to ensure some interpretive or expressive competence in the fundamental conceptual issues of human thought and activity.

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Up to two courses from one department may be used to fulfill the distribution requirements for humanities and the social sciences. They may be used at the same time to count towards the student's major. No course may be used to satisfy more than one specific requirement for humanities and social sciences. Only courses taken for 2 or more credit hours satisfy these requirements; courses in excess of 5 credit hours count as two courses.

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- Dean of Arts & Sciences—DAS 100
- English – ENGL 220, 335, 345, 420
- Environmental Design – ENVD 210
- Music—MUSIC 100, 112, 160, 170, 171, 210, 220, 230, 245, 249, 250, 255, 280, 296, 297, 310, 340, 385,

Choose any philosophy course except PHILO 105, 110, 320, or 510.

**Western heritage** (one course)

Purpose: to ensure some interpretive or expressive competence regarding the institutions, traditions, and values that have shaped Western civilization.

Choose from the following:

- American Ethnic Studies—AMETH 160, 351, 352, 353, 354, 449, 450, 501, or 560
- POLSC 115 or 135
- Constitutional Law—POLSC 614, 615, or 799
- Dean of Arts & Sciences—DAS 300
- English—ENGL 230, 231, 233, 234, 260, 270, 285, 287, 297, 309, 315, 330, 335, 340, 345, 350, 385, 386, 387, 388, 389, 390, 470, 490, 501, 525, 570, or 575
- Foreign Civilizations—FREN 514, GRMN 530, SPAN 565, SPAN 566, or SPAN 572
- Gender, Women, and Sexuality Studies—GWSS 105, 410, 480, 500, 551, or 610
- History—courses dealing with the Greco-Roman, Western European, or North American experience; HIST 515
- History of Sport (cross-listed with KIN 515)
- Kinesiology—KIN 515 (cross-listed with HIST 515)
- Music—MUSIC 245
- Political Thought—POLSC 301, 661, 663, 667, 671, or 675
- Sociology—SOCIO 507, 537, or 538

420, 424, 455, 480, 481, 482, 570, 636, 637, or 650.

- Theatre—THTRE 260 to 799

**Philosophy** (one course)

Purpose: to ensure some interpretive or expressive competence in the fundamental conceptual issues of human thought and activity.

Choose any philosophy course except PHILO 105, 110, 320, 510, or 610.

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Choose from the following:

- American Ethnic Studies—AMETH 160, 351, 352, 353, 354, 450, 501, or 560
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- Dean of Arts & Sciences—DAS 300
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- Foreign Civilizations—FREN 514, GRMN 530, SPAN 565, SPAN 566, SPAN 572, CLSCS 502, GREEK 301, or GREEK 302
- Gender, Women, and Sexuality Studies—GWSS 105, 325, 350, 410, 460, 480, 500, 551, 590, or 610
- History—courses dealing with the Greco-Roman, Western European, or North American experience; HIST 515

- Theatre—THTRE 572 or 573

**Literary or rhetorical arts** (one course)

Purpose: to ensure some interpretive or expressive competence in a traditional literary or rhetorical mode of artistic expression.

Choose from the following:

- English—literature or creative writing—ENGL 220 to 799 except 300, 400, 415, 417, 430, 435, 476, 490, 492, 499, 516, 600–604, 757, or 759
- Communication Studies—COMM 120, 325, or 480
- History of rhetoric—COMM 320, 330, 331, 430, 432, 434, 460, 725, 730, 732, 733, or POLSC 670
- Gender, Women, and Sexuality Studies—GWSS 450
- Modern Languages—literature courses including literature in translation
- Theatre—THTRE 370, 662, or 764

Exception: Students in BS programs who take two courses in one modern language may use these to satisfy the requirements for Western heritage and for literary and rhetorical arts.

***Social science***

Four courses, 12 credit hours minimum, from at least three disciplines.

Purpose: to acquaint students with the adaptation of scientific method to the analysis of human social systems.

One course must be at 500 level or above, or carry a prerequisite in the same department.

- History of Sport (cross-listed with KIN 515)
- Kinesiology—KIN 515 (cross-listed with HIST 515)
- Music—MUSIC 245, or 311
- Political Thought—POLSC 301, 661, 663, 667, 671, or 675
- Sociology—SOCIO 507, 537, or 538
- Theatre—THTRE 572 or 573

**Literary or rhetorical arts** (one course)

Purpose: to ensure some interpretive or expressive competence in a traditional literary or rhetorical mode of artistic expression.

Choose from the following:

- English—literature or creative writing—ENGL 220 to 799 except 300, 400, 415, 417, 430, 435, 476, 490, 492, 499, 500, 510, 516, 600–604, 757, or 759
- Communication Studies—COMM 120, 325, or 480
- History of rhetoric—COMM 320, 330, 331, 430, 432, 434, 460, 725, 730, 732, 733, or POLSC 670
- Gender, Women, and Sexuality Studies—GWSS 450
- Modern Languages—literature courses including literature in translation
- Theatre—THTRE 370, 662, or 764

Exception: Students in BS programs who take two courses in one modern language may use these to satisfy the requirements for Western heritage and for literary and rhetorical arts.

***Social science***

<p>Three of the four courses must be from these areas:</p> <ul style="list-style-type: none"> <li>• Cultural Anthropology—including archaeology</li> <li>• ANTH 220</li> <li>• Economics—any course</li> <li>• Geography—any course except GEOG 221, <del>321</del>, or 535</li> <li>• History—any course</li> <li>• Mass Communications—MC 110, 112, 120, 180, 331, 396, 531, 576, 585, 600, 612, 623, or 670</li> <li>• Political Science—any course</li> <li>• Psychology—any course</li> <li>• Sociology—any course</li> <li>• Social Work—SOCWK 510</li> </ul> <p>The fourth course must be from the above areas or from:</p> <ul style="list-style-type: none"> <li>• American ethnic studies—<del>AMETH 160, 499, 501, 550, or 650</del></li> <li>• Anthropology—<del>ANTH 345</del>, 520, or 660</li> <li>• Communication Studies—COMM 323, 326, 420, 425, 435, 526, 542, 550, 720, 726, 742, or 756</li> <li>• Gender, Women, and Sexuality Studies—<del>GWSS 105, 300, 450, 480, 500, 551, 590, or 610</del></li> <li>• Gerontology—GERON 315, 600, or 615</li> <li>• Kinesiology—KIN 320, 330, 345, 346, or 435</li> <li>• Linguistics—any course except LG 601</li> </ul>	<p>Four courses, 12 credit hours minimum, from at least three disciplines.</p> <p>Purpose: to acquaint students with the adaptation of scientific method to the analysis of human social systems.</p> <p>One course must be at 500 level or above, or carry a prerequisite in the same department.</p> <p>Three of the four courses must be from these areas:</p> <ul style="list-style-type: none"> <li>• Cultural Anthropology—including archaeology</li> <li>• ANTH 220</li> <li>• Economics—any course</li> <li>• Geography—any course except GEOG 221, <u>235, 445</u>, 535, <u>735, or 740</u></li> <li>• History—any course</li> <li>• Mass Communications—MC 110, <u>111</u>, 112, 120, 180, 331, 396, <u>480</u>, 531, 576, 585, 600, 612, 623, or 670</li> <li>• Political Science—any course</li> <li>• Psychology—any course <u>except PSYCH 370, 470, and 630</u></li> <li>• Sociology—any course</li> <li>• Social Work—SOCWK 510</li> </ul> <p>The fourth course must be from the above areas or from:</p> <ul style="list-style-type: none"> <li>• American ethnic studies—<u>any course</u></li> <li>• Anthropology—ANTH <u>301, 305, 318, 328, 368, 383, 518, 520, 612, 616, 680, or 710</u></li> <li>• Communication Studies—COMM 323, 326, <u>332</u>, 420, 425, 435, <u>465</u>, 526, 542, 550, 720, 726, 742, or 756</li> <li>• Gender, Women, and Sexuality Studies—<u>any course</u></li> </ul>
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<p><i>Natural sciences</i></p> <hr/> <p>BS Degree: Four courses, 14 credit hours minimum. BA Degree: Three courses, 11 credit hours minimum.</p> <ol style="list-style-type: none"> <li>1. Life Sciences with a lab</li> <li>2. Physical Sciences with a lab</li> <li>3. Life or Physical Sciences, including additional Natural Science</li> </ol> <p><b>Life science</b> (one 3- or 4-hour course with laboratory) Purpose: to introduce students to the systematic study of organisms and their interrelationships.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—any course</li> <li>• Biology—any course</li> <li>• Paleobiology—GEOL 581, 650, or 704</li> <li>• Physical anthropology—ANTH 280, <del>333</del>, 680, <del>684, 688, 691, 692, 694</del>, 695, or <del>696</del></li> </ul> <p><b>Physical science</b> (one course with laboratory) Purpose: to introduce students to the appropriate attitudes and methods that characterize the systematic study of matter and energy.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—BIOCH 265 to 799</li> <li>• Chemistry—any course</li> </ul>	<ul style="list-style-type: none"> <li>• Gerontology—GERON 315, 600, or 615</li> <li>• Kinesiology—KIN 320, 330, 345, 346, or 435</li> <li>• Linguistics—any course except LG 601</li> <li>• <u>SPAN 580</u></li> </ul> <p><i>Natural sciences</i></p> <hr/> <p>BS Degree: Four courses, 14 credit hours minimum. BA Degree: Three courses, 11 credit hours minimum.</p> <ol style="list-style-type: none"> <li>1. Life Sciences with a lab</li> <li>2. Physical Sciences with a lab</li> <li>3. Life or Physical Sciences, including additional Natural Science</li> </ol> <p><b>Life science</b> (one 3- or 4-hour course with laboratory) Purpose: to introduce students to the systematic study of organisms and their interrelationships.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—any course</li> <li>• Biology—any course</li> <li>• Paleobiology—GEOL 581, 650, or 704</li> <li>• Physical anthropology—ANTH 280, <u>383, 388, 506, 588, 615, 680, 681, 682, 686, 687, 693, or 695</u></li> </ul> <p><b>Physical science</b> (one course with laboratory) Purpose: to introduce students to the appropriate attitudes and methods that characterize the systematic study of matter and energy.</p> <p>Choose from the following:</p> <ul style="list-style-type: none"> <li>• Biochemistry—BIOCH 265 to 799</li> </ul>
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- Geology—any course except GEOL 581 or 704
- Physical geography—GEOG 221, 235, 445, 535, 735, or 740
- Physics—any course

**Additional Natural Sciences** (for 3rd requirement only)

- Anthropology - ANTH ~~330, 333, 530, 532, or 697~~
- Entomology - ENTOM 301
- Kinesiology - KIN 220 or 310

4. BS Degree Only: One course, 3 credit hour minimum) with a prerequisite in the same department chosen from:

- Life or Physical Sciences listed in #3 above
- Biochemistry course with a chemistry prerequisite
- Dean of Arts & Sciences—DAS 333
- Kinesiology—KIN 330, 335, or 650
- Psychology—PSYCH 470 or 480 (you may use only one of these)
- BIOL 310 does not fulfill this requirement

NOTE: Only courses taken for 2 or more credit hours satisfy these requirements and courses in excess of 5 credit hours count as two courses.

## Cooperative Education

Cooperative education is the integration of academic experience with planned, paid employment experiences related to a student's academic major or career goals. Check with Career and Employment Services

- Chemistry—any course
- Geology—any course except GEOL 581 or 704
- Physical geography—GEOG 221, 235, 445, 535, 735, or 740
- Physics—any course

**Additional Natural Sciences** (for 3rd requirement only)

- Anthropology - ANTH 383, 388, 506, 588, or 687
- Entomology - ENTOM 301
- Kinesiology - KIN 220 or 310

4. BS Degree Only: One course, 3 credit hour minimum) with a prerequisite in the same department chosen from:

- Life or Physical Sciences listed in #3 above
- Biochemistry course with a chemistry prerequisite
- Dean of Arts & Sciences—DAS 333
- Kinesiology—KIN 330, 335, or 650
- Psychology—PSYCH 470 or 480 (you may use only one of these)
- BIOL 310 does not fulfill this requirement

NOTE: Only courses taken for 2 or more credit hours satisfy these requirements and courses in excess of 5 credit hours count as two courses.

## Cooperative Education

Cooperative education is the integration of academic experience with planned, paid employment experiences related to a student's academic major or career goals. Check with Career and Employment Services



for eligibility requirements, available opportunities, and faculty contacts.

## Degree Requirements

At least 120 credit hours are required for graduation.

Courses numbered below 100 may not be applied toward a degree. In addition to the university's limit on credits for extracurricular work, no more than 4 credit hours in lifetime sports and exercise activity classes may be applied toward a degree.

### *Common degree requirements*

(Three courses, 8 credit hours minimum)

Purpose: to give students practice in oral presentation and in writing and analyzing expository and argumentative prose.

Course	Course Title	Credit hours
ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
COMM 105 or	Public Speaking IA or	2
COMM 106	Public Speaking I	3

## Dual Degree BA or BS

Students have the option of seeking a dual degree BA or BS. The dual degree seeking student is one who is enrolled in two BA or BS programs, only one of which is within the College of Arts and Sciences. The following

for eligibility requirements, available opportunities, and faculty contacts.

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At least 120 credit hours are required for graduation.

Courses numbered below 100 may not be applied toward a degree. In addition to the university's limit on credits for extracurricular work, no more than 4 credit hours in lifetime sports and exercise activity classes may be applied toward a degree.

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Purpose: to give students practice in oral presentation and in writing and analyzing expository and argumentative prose.

Course	Course Title	Credit hours
ENGL 100	Expository Writing I	3
ENGL 200	Expository Writing II	3
COMM 105 or	Public Speaking IA or	2
COMM 106	Public Speaking I	3

## Dual Degree BA or BS

Students have the option of seeking a dual degree BA or BS. The dual degree seeking student is one who is enrolled in two BA or BS programs, only one of which is within the College of Arts and Sciences. The following

<p>distribution requirements apply exclusively to dual degree seeking students. They may not be applied to dual majors, who are students seeking two majors within the College of Arts and Sciences.</p> <p>Dual degree seeking BA students must fulfill the requirements for the College of Arts and Sciences listed under Additional Requirements of the BA, except for the Mathematics requirement. They must fulfill all the requirements in at least one of the three other required areas (Humanities, Social Science, or Natural Science), and half of the distribution requirements in the remaining two areas. The choice of how these requirements will be met will be made with the approval of an advisor within the College of Arts and Sciences.</p> <p>Dual degree seeking BS students must fulfill all the requirements for the College of Arts and Sciences in at least two of the four required areas (Humanities, Social Science, Natural Science, and Additional Requirements of the BS), and half of the distribution requirements in the remaining two areas. The choice of how these requirements will be met will be made with the approval of an advisor within the College of Arts and Sciences.</p> <p>Dual degree seeking students must meet the International Studies Overlay requirement.</p> <p>Half of the distribution requirements in each area are:</p> <p><b>Humanities</b></p> <p>One course from Philosophy (3 credits) and one course in the Fine Arts, Western Heritage, or Literary or Rhetorical Arts (3 credits).</p> <p>Dual degree seeking students enrolled in Biochemistry and Molecular Physics, Biology,</p>	<p>distribution requirements apply exclusively to dual degree seeking students. They may not be applied to dual majors, who are students seeking two majors within the College of Arts and Sciences.</p> <p><u>The Dual degree program is designed for those students entering the University Fall 2013 and forward.</u></p> <p>Dual degree seeking BA students must fulfill the requirements for the College of Arts and Sciences listed under Additional Requirements of the BA, except for the Mathematics requirement. They must fulfill all the requirements in at least one of the three other required areas (Humanities, Social Science, or Natural Science), and half of the distribution requirements in the remaining two areas. The choice of how these requirements will be met will be made with the approval of an advisor within the College of Arts and Sciences.</p> <p>Dual degree seeking BS students must fulfill all the requirements for the College of Arts and Sciences in at least two of the four required areas (Humanities, Social Science, Natural Science, and Additional Requirements of the BS), and half of the distribution requirements in the remaining two areas. The choice of how these requirements will be met will be made with the approval of an advisor within the College of Arts and Sciences.</p> <p>Dual degree seeking students must meet the International Studies Overlay requirement.</p> <p>Half of the distribution requirements in each area are:</p> <p><b>Humanities</b></p>
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Chemistry, Geology, Mathematics, Physics, Physical Sciences, Natural Sciences, or Statistics, are required to take **PHILO 501: Perspectives on Science** to meet the Philosophy requirement.

### **Social Science**

Two courses, 6 credit hours, from two disciplines.

### **Natural Sciences**

BS or BA Degrees, 7 credit hours minimum, from two disciplines.

Any science course with lab, and one other science course from a different discipline.

### **Additional Requirements for BS**

At least 2 courses or 6 credit hours from option 1 or any Level II or Level III course listed under option 3.

No additional Natural Sciences requirement. Any course used to satisfy this requirement cannot be used to satisfy any other general education requirement.

## **English Language Program**

Mary Wood, Director  
Ketty Reppert, Associate Director  
Leena Chakrabarti, Assistant Director

**Instructors:** Asebedo, Ben-Itzhak, Brunner, Carel, Caufield, Chappell, Chikanne-Gyrko, Climenhaga, Conroy, Crist, Darnell, Davidson, Diah, Elliot, Ensley, Everley, Franchitti, Gramp, Henriksen, Irish, Jagosz, Jennings,

One course from Philosophy (3 credits) and one course in the Fine Arts, Western Heritage, or Literary or Rhetorical Arts (3 credits).

Dual degree seeking students enrolled in Biochemistry and Molecular Physics, Biology, Chemistry, Geology, Mathematics, Physics, Physical Sciences, Natural Sciences, or Statistics, are required to take **PHILO 501: Perspectives on Science** to meet the Philosophy requirement.

### **Social Science**

Two courses, 6 credit hours, from two disciplines.

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BS or BA Degrees, 7 credit hours minimum, from two disciplines.

Any science course with lab, and one other science course from a different discipline.

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Kelly, Kim, Kitson, Law, Lemmons, Mason, McConnell, McNamara, Morgan, Musil, Peverill, Phillips-Zee, Rice, Smolenski, Tran, Vandeventer, Walker, and Williams; **Emeritus:** Cocke.

205 Fairchild Hall

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[www.k-state.edu/elp](http://www.k-state.edu/elp)

The English Language Program offers intensive English courses primarily for international students who plan to enter degree programs at K-State. However, it also accepts students who wish to come for English instruction only.

The program offers five levels of full-time intensive English. It also offers advanced part-time courses specifically for students who need support in English while taking classes in their degree field (DAS 176, 177, and 178).

International undergraduate applicants do not have to submit a TOEFL score. They can be admitted on their academic credentials only. Once they arrive at K-State, if students do not provide other evidence of English proficiency, they must take the English Proficiency Test (EPT). If their test scores place them in English classes, they must enroll in them. This is the condition for beginning academic work. The admission policy follows below:

If you meet academic requirements, Kansas State University can admit you with no proof of English proficiency. Once you arrive, you will be required to take the English Proficiency Test (EPT). The results of the EPT will determine if you need to study English,

Gramp, Henriksen, Irish, Jagosz, Jennings, Kelly, Kim, Kitson, Law, Lemmons, Mason, McConnell, McNamara, Morgan, Musil, Peverill, Phillips-Zee, Rice, Smolenski, Tran, Vandeventer, Walker, and Williams; **Emeritus:** Cocke.

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The program also screens the English proficiency of incoming non-native speakers of English. For other information and a brochure, write or e-mail the English Language Program at the addresses above.

## General Education: K-State 8

### *Objective of the K-State 8*

The K-State 8 General Education Program encourages students to be intellectual explorers. Students and advisors will plan programs of study to promote exposure to a breadth of learning that includes the eight areas below. The emphasis and the amount of study in each area will vary for each student, depending upon his/her choice of major and other interests.

The K-State 8 Areas:



Aesthetic Interpretation



Empirical and Quantitative Reasoning

will determine if you need to study English, either full-time or part-time, or if you are ready to begin full-time university classes. This is to make sure that you have the necessary English skills to be successful in your career here at K-State.

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The K-State 8 Areas:



Aesthetic Interpretation



Empirical and Quantitative Reasoning



Ethical Reasoning and Responsibility



Global Issues and Perspectives



Historical Perspectives



Human Diversity within the U.S.



Natural and Physical Sciences



Social Sciences

The K-State 8 icons shown above are also used in Kansas State University's student information system (KSIS).

***Overview of K-State 8 requirements***

The intent of The K-State 8 is for students to explore the perspectives of disciplines that may be quite different from those of their own majors. For that reason, a minimum of



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***Overview of K-State 8 requirements***

The intent of The K-State 8 is for students to explore the perspectives of disciplines that may be quite different from those of their own majors. For that reason, a minimum of

four different course prefixes (e.g., AGEC, MATH, FSHS) must be represented to fulfill K-State 8 requirements.

Each student must successfully complete credit-bearing courses to cover all of the K-State 8 areas. Some of the K-State 8 areas may be covered in the student's major.

Departments have decided which courses to designate for one or two K-State 8 areas. K-State 8 designations are noted both in the Undergraduate Catalog and in KSIS.

When a course is tagged for two K-State 8 areas, the student may count that course toward both areas. However, students are strongly encouraged to enroll in a variety of courses and experiences that offers them a genuine breadth of perspective.

#### **For more information**

- Consult your advisor.
- Check each term's [Course Schedule](#).
- More information about [The K-State 8](#) is available on the web.

#### **K-State 8 policy for changing majors**

Changing majors will not affect students' general education requirements in the K-State 8.

#### **K-State 8 policy for double majors and dual degrees**

A student must meet K-State 8 requirements for only one degree/major.

#### **Transfer students**

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A student must meet K-State 8 requirements for only one degree/major.

#### **Transfer students**

Transfer students are required to cover all eight (8) of the K-State 8 areas and should check with their academic advisors to determine how best to apply transfer credits to the K-State 8.

## General Education: UGE

~~As required by the university, students must complete at least 18 credit hours of approved UGE courses, at least 6 credit hours of which must be at the 300 level or above. Except for students in the college's interdisciplinary majors (humanities, life science, physical science, and social science) courses used for UGE credit may not be in the student's major field without the approval of the college and the university.~~

~~Within the above guidelines, any approved UGE courses offered by any college at Kansas State University may be used to satisfy these requirements. UGE courses approved as basic requirements in the College of Arts and Sciences (see Bachelor of Arts and Bachelor of Sciences following this section) may be used to satisfy simultaneously both UGE and College of Arts and Sciences basic requirements.~~

~~For more information about UGE requirements, see the [Undergraduate Degrees](#) section of this catalog. For a current list of approved UGE courses, see the Registrar's Office [website](#).~~

## Interdisciplinary Studies

The College of Arts and Sciences offers four interdisciplinary majors that provide opportunities to study multiple disciplines rather than the narrower focus required by a

Transfer students are required to cover all eight (8) of the K-State 8 areas and should check with their academic advisors to determine how best to apply transfer credits to the K-State 8.

## Interdisciplinary Studies

The College of Arts and Sciences offers four interdisciplinary majors that provide opportunities to study multiple disciplines rather than the narrower focus required by a



major in a single discipline. Students create their own fields of emphasis and choose multidisciplinary approaches to their area of academic interest.

Major	Degree(s)	Credit hours
Humanities	BA only	36
Life science	BA or BS	39
Physical science	BA or BS	37
Social science	BA or BS	36

The requirements for each of the interdisciplinary options are flexible to allow students, in consultation with their advisor, to devise degree programs designed to meet their particular needs, interests, and career goals.

### *Humanities*

Humanities is a multidisciplinary major that deals with human thought and culture. Creativity, imagination, and interpretation are central to humanistic study. The humanities disciplines include art, art history, creative writing, dance, history, literature, modern languages, music, philosophy, communication studies, theatre, and selected gender, women, and sexuality studies and American ethnic studies courses. A humanities major leads to the traditional liberal arts degree, the bachelor of arts.

Students develop a plan of study with an interdisciplinary humanities advisor in the College of Arts and Sciences dean's office, who acts as a liaison with the Humanities Advisory Committee. The student also confers with other humanities faculty members who have expertise in the areas of

major in a single discipline. Students create their own fields of emphasis and choose multidisciplinary approaches to their area of academic interest.

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Students develop a plan of study with an interdisciplinary humanities advisor in the College of Arts and Sciences dean's office, who acts as a liaison with the Humanities Advisory Committee. The student also confers with other humanities faculty members who have expertise in the areas of

the student's interest. The student's proposal must include a rationale or thematic design for the interdisciplinary degree and a tentative listing of courses. *The proposal must be approved by the Humanities Advisory Committee.* This procedure must be accomplished before or during the semester in which the student completes 90 credit hours toward the degree.

The humanities major consists of 36 credit hours. Students must select two humanities disciplines and complete 15 hours in each discipline, including at least 6 hours of 500–699 level course work in one discipline and 9 hours of 500–699 level course work in the second discipline. Six hours of humanities electives are also required.

Up to 9 credit hours of major course work may be applied to basic requirements of the BA degree. Courses used in the two selected disciplines may not also be applied toward another major. Students who select music as one discipline must seek additional advising in the music department.

A 2.0 GPA in the major is required for graduation.

### *Life Science*

Life science is an multidisciplinary major that deals with studies of living organisms and life processes.

Course	Course Title	Credit hours
BIOL 198	Principles of Biology	4
BIOL 201	Organismic Biology	5

the student's interest. The student's proposal must include a rationale or thematic design for the interdisciplinary degree and a tentative listing of courses. *The proposal must be approved by the Humanities Advisory Committee.* This procedure must be accomplished before or during the semester in which the student completes 90 credit hours toward the degree.

The humanities major consists of 36 credit hours. Students must select two humanities disciplines and complete 15 hours in each discipline, including at least 6 hours of 500–699 level course work in one discipline and 9 hours of 500–699 level course work in the second discipline. Six hours of humanities electives are also required.

Up to 9 credit hours of major course work may be applied to basic requirements of the BA degree. Courses used in the two selected disciplines may not also be applied toward another major. Students who select music as one discipline must seek additional advising in the music department.

A 2.0 GPA in the major is required for graduation.

### *Life Science*

Life science is an multidisciplinary major that deals with studies of living organisms and life processes.

Course	Course Title	Credit hours
BIOL 198	Principles of Biology	4
BIOL 201	Organismic Biology	5

BIOCH 265 CHM 350/351	Introductory Organic and Biochemistry <b>or</b> General Organic Chemistry and Lab	5
BIOL 455	Microbiology	4
ANTH 280	Introduction to Physical Anthropology and Lab	4
Psychology course with prerequisites		3
Electives		14*

*\*The 14 elective hours must be at or above the 300 level and they must be selected from two or more of the following fields: biochemistry, biology, microbiology, organic chemistry, physical anthropology, and psychology.*

A minimum of 15 hours in the major must be taken at K-State. Only transfer courses accepted by departments to meet requirements in their majors will be accepted to meet requirements in the life science major.

To obtain a life science degree a student must earn at least a 2.0 GPA in the required science courses (including transfer work).

The life science degree is not available to students who will earn a degree in biochemistry, biology, or microbiology.

### ***Pre-vet option***

Students who complete the College of Arts and Sciences basic requirements, the pre-veterinary prerequisites, all the life science major requirements except the electives, and a minimum of 84 hours prior to enrolling in

BIOCH 265 CHM 350/351	Introductory Organic and Biochemistry <b>or</b> General Organic Chemistry and Lab	5
BIOL 455	Microbiology	4
ANTH 280	Introduction to Physical Anthropology and Lab	4
Psychology course with prerequisites		3
Electives		14*

*\*The 14 elective hours must be at or above the 300 level and they must be selected from two or more of the following fields: biochemistry, biology, microbiology, organic chemistry, physical anthropology, and psychology.*

A minimum of 15 hours in the major must be taken at K-State. Only transfer courses accepted by departments to meet requirements in their majors will be accepted to meet requirements in the life science major.

To obtain a life science degree a student must earn at least a 2.0 GPA in the required science courses (including transfer work).

The life science degree is not available to students who will earn a degree in biochemistry, biology, or microbiology.

### ***Pre-vet option***

Students who complete the College of Arts and Sciences basic requirements, the pre-veterinary prerequisites, all the life science major requirements except the electives, and a minimum of 84 hours prior to enrolling in

the College of Veterinary Medicine at K-State may earn a life science degree after successful completion of the first year of veterinary medical school.

### *Physical Science*

Physical science is an interdisciplinary major that deals with nonliving matter.

Students may earn a Bachelor of Science or a Bachelor of Arts degree. Although the classes within the major are the same for the BA or the BS degree, the college's basic requirements for the two degrees will differ as described in the College of Arts and Sciences section. (The significant difference between the BA and the BS for the Physical Science degree is that the BA requires the equivalent of a level 4 in a foreign language sequence.)

Both the BA and the BS require a minimum of 120 credits for degree completion. A minimum of 37 of these credits must be from classes within the major. Students must also complete the College of Arts and Sciences [basic requirements](#) for degree. These requirements can be individualized so working with an advisor is recommended.

Students majoring in Physical Science must earn grades of C or better in all courses required for the major, including electives and transfer work.

Course	Course Title	Credit hours
MATH 220	Analytic Geometry and Calculus I	4

the College of Veterinary Medicine at K-State may earn a life science degree after successful completion of the first year of veterinary medical school.

### *Physical Science*

Physical science is an interdisciplinary major that deals with nonliving matter.

Students may earn a Bachelor of Science or a Bachelor of Arts degree. Although the classes within the major are the same for the BA or the BS degree, the college's basic requirements for the two degrees will differ as described in the College of Arts and Sciences section. (The significant difference between the BA and the BS for the Physical Science degree is that the BA requires the equivalent of a level 4 in a foreign language sequence.)

Both the BA and the BS require a minimum of 120 credits for degree completion. A minimum of 37 of these credits must be from classes within the major. Students must also complete the College of Arts and Sciences [basic requirements](#) for degree. These requirements can be individualized so working with an advisor is recommended.

Students majoring in Physical Science must earn grades of C or better in all courses required for the major, including electives and transfer work.

Course	Course Title	Credit hours
MATH 220	Analytic Geometry and Calculus I	4

STAT 325 <b>or</b> 340 <b>or</b> 410 <b>or</b> 510	Statistics course	3
CHM 210 <b>or</b> CHM 220	Chemistry I <b>or</b> Honors Chemistry I	4
<b>and</b>		
CHM 230 <b>or</b> CHM 250	Chemistry II <b>or</b> Honors Chemistry II	4
PHYS 113 <b>or</b> PHYS 213	General Physics I <b>or</b> Engineering Physics I	4
<b>and</b>		
PHYS 114 <b>or</b> PHYS 214	General Physics II <b>or</b> Engineering Physics II	4
GEOL 100/103 <b>or</b> GEOG 221	Earth in Action and Lab <b>or</b> Introductory Physical Geography	4
DAS 499	Physical Sciences Senior Report	1
Electives		5–9*

Students must complete a total of 37 credit hours in the major.

*\*Electives must be selected from the following:*

- Computing and information sciences—CIS 200 or above
- Chemistry—CHM 350, CHM 351, CHM 371, CHM 500 or above

STAT 325 <b>or</b> 340 <b>or</b> 410 <b>or</b> 510	Statistics course	3
CHM 210 <b>or</b> CHM 220	Chemistry I <b>or</b> Honors Chemistry I	4
<b>and</b>		
CHM 230 <b>or</b> CHM 250	Chemistry II <b>or</b> Honors Chemistry II	4
PHYS 113 <b>or</b> PHYS 213	General Physics I <b>or</b> Engineering Physics I	4
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*\*Electives must be selected from the following:*

- Computing and information sciences—CIS 200 or above
- Chemistry—CHM 350, CHM 351, CHM 371, CHM 500 or above

- Geology—GEOL 100, GEOL 102, GEOL 103, GEOL 105, GEOL 501 or above, except GEOL 512
- Geography—GEOG 221
- Mathematics—MATH 221, MATH 222, MATH 240, MATH 510, MATH 540 or MATH 551
- Physics—PHYS 122, PHYS 191, PHYS 300 or above, except PHYS 515
- Statistics—STAT 341, STAT 511, or above

Problems, seminar, and topics courses are not acceptable unless listed above. At least five elective hours must have a prerequisite.

Students majoring in Physical Science must earn grades of C or better in all courses required for the major, including electives and transfer work.

**DAS 499 – Physical Sciences Senior Report. Credits:** (1) Fall, Spring. A capstone course required of physical sciences interdisciplinary majors. Individual exploration of an area of physical sciences culminating in a final, formally written, report. Prerequisite: Permission of physical sciences advisor.

### *Social Science*

Social Science is a branch of learning that examines society's institutions—their structures, theoretical foundations, evolution, and interrelationships—and how they affect and are affected by human behavior. The social science disciplines include American ethnic studies, anthropology, economics, geography, history, political science, psychology, sociology, and gender, women,

- Geology—GEOL 100, GEOL 102, GEOL 103, GEOL 105, GEOL 501 or above, except GEOL 512
- Geography—GEOG 221
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<p>and sexuality studies. Selected courses in mass communication may also qualify.</p> <p>A student works closely with a social science advisor to determine a plan of study with a thematic emphasis. This theme includes a minimum of 12 hours of courses in the major. In general, only one course outside the stipulated social science disciplines may be used to count toward the major, if the course fits the student's theme.</p> <p>The student's social science advisor may encourage him or her to confer with other social science faculty members who have expertise in the area of the student's interest.</p> <p>A total of 36 credit hours must be completed with at least 3 credits being completed in each of four different social science disciplines.</p> <p>At least 9 credit hours must be completed in one social science discipline, including at least one course at the 500–699 level.</p> <p>At least 15 credit hours must be completed in social science disciplines at the 500–699 level.</p> <p>Students must complete at least one course in social science research methods or data analysis. This course may be any statistics (STAT) course that a student is qualified to take, or it may be selected from: GEOG 700 Quantitative Analysis in Geography; HIST 586 Junior Seminar in History; POLSC 400 Political Inquiry and Analysis; POLSCI 700 Research Methods in Political Science; PSYCH 350 Experimental Methods in Psychology; SOCIO 520 Methods of Social Research.</p> <p>The research/data course cannot be used to fulfill any other requirement in the major. It</p>	<p>and sexuality studies. Selected courses in mass communication may also qualify.</p> <p>A student works closely with a social science advisor to determine a plan of study with a thematic emphasis. This theme includes a minimum of 12 hours of courses in the major. In general, only one course outside the stipulated social science disciplines may be used to count toward the major, if the course fits the student's theme.</p> <p>The student's social science advisor may encourage him or her to confer with other social science faculty members who have expertise in the area of the student's interest.</p> <p>A total of 36 credit hours must be completed with at least 3 credits being completed in each of four different social science disciplines.</p> <p>At least 9 credit hours must be completed in one social science discipline, including at least one course at the 500–699 level.</p> <p>At least 15 credit hours must be completed in social science disciplines at the 500–699 level.</p> <p>Students must complete at least one course in social science research methods or data analysis. This course may be any statistics (STAT) course that a student is qualified to take, or it may be selected from: GEOG 700 Quantitative Analysis in Geography; HIST 586 Junior Seminar in History; POLSC 400 Political Inquiry and Analysis; POLSCI 700 Research Methods in Political Science; PSYCH 350 Experimental Methods in Psychology; SOCIO 520 Methods of Social Research.</p> <p>The research/data course cannot be used to fulfill any other requirement in the major. It</p>
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can, however, be used to fulfill a general requirement.

No more than 9 credit hours may be counted toward both the general requirements and the major.

A 2.0 GPA in the major is required for graduation.

The social science major is not available to students who will earn a degree in anthropology, economics, geography, history, mass communications, political science, psychology, sociology, or gender, women, and sexuality studies.

### International studies overlay

One course.

Purpose: to equip students better to become citizens of a world where the most important problems are unavoidably defined in international terms and to understand cultures of the world outside the Western tradition.

A student must take one course of which at least half is devoted to: economic, political, and social relations or interactions between or among different countries, in which the major focus is upon the interdependency of nations of the modern world; or contemporary features or historical traditions of non-Western cultures (excluding those dealing primarily with Greek, Roman, Western European, or North American experience).

Students may satisfy the international studies requirement at the same time they satisfy requirements in the major, in the humanities, or the social sciences. These courses qualify:

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No more than 9 credit hours may be counted toward both the general requirements and the major.

A 2.0 GPA in the major is required for graduation.

The social science major is not available to students who will earn a degree in anthropology, economics, geography, history, mass communications, political science, psychology, sociology, or gender, women, and sexuality studies.

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Students may satisfy the international studies requirement at the same time they satisfy requirements in the major, in the humanities, or the social sciences. These courses qualify:



<ul style="list-style-type: none"> <li>• Anthropology—ANTH 200, 204, 220, 260, <del>345</del>, 505, 508, 511, 512, <del>514</del>, 515, 516, 517, <del>523</del>, 536, 545, <del>550</del>, 604, 618, <del>630, 634, 650, 673, 676, 790 or 792</del></li> <li>• Communication Studies—COMM 480, 756, or 780</li> <li>• Dean of Arts and Sciences—DAS 507, or 525</li> <li>• Economics—ECON 505, 507, 536, 681, or 682</li> <li>• English—ENGL 280, or 580</li> <li>• Environmental Design - ENVD 210</li> <li>• Gender, Women, and Sexuality Studies—GWSS 380 405, or 580</li> <li>• Geography—GEOG 100, 200, 201, 505, 620, 622, 640, 650, or 715</li> <li>• History—HIST 111, 112, 250, 303, 330, 332, 501, 504, 505, 509, 510, 514, 543, 544, 545, 560, 561, 562, 571, 576, 577, 578, 591, 592, 593, or 598</li> <li>• Mass Communications—MC 572, 623, 662, or 725</li> <li>• Management—MANGT 690</li> <li>• Marketing—MKTG 544</li> <li>• Modern Languages—Any Level 4 or above language course in French, German, and Spanish, including translation courses</li> <li>• Political Science—POLSC 333, 505, 511, 540, 541, 543, 545, 549, 622, 623, 624, 626, 627, 629, 642, 643, 645, 647, 651, 652, 653, or 655</li> <li>• Sociology—SOCIO 363, 505, 507, 522, 535, 618, 635, or 742</li> </ul> <p>Students may use the fourth course in a single foreign language sequence (other than</p>	<ul style="list-style-type: none"> <li>• Anthropology—ANTH 200, 204, 220, 260, <u>305</u>, 505, 508, <u>509</u>, 511, 512, 515, 516, 517, <u>525</u>, <u>528</u>, 536, 545, 604, <u>605</u>, <u>606</u>, <u>616</u>, 618, <u>663</u>, <u>665</u>, <u>710</u>, or <u>720</u></li> <li>• Communication Studies—COMM 480, 756, or 780</li> <li>• Dean of Arts and Sciences—DAS 507, or 525</li> <li>• Economics—ECON 505, 507, 536, 681, or 682</li> <li>• English—ENGL 280, or 580</li> <li>• Environmental Design - ENVD 210</li> <li>• Gender, Women, and Sexuality Studies—GWSS 380, 405, or 580</li> <li>• Geography—GEOG 100, 200, 201, 505, 620, 622, 640, 650, or 715</li> <li>• History—HIST 111, 112, 250, 303, 330, 332, 501, 504, 505, <u>508</u>, 509, 510, 514, <u>516</u>, <u>517</u>, 543, 544, 545, 560, 561, 562, 571, 576, 577, 578, <u>584</u>, 591, 592, 593, <u>595</u>, or 598</li> <li>• Mass Communications—MC 572, 623, 662, or 725</li> <li>• Management—MANGT 690</li> <li>• Marketing—MKTG 544</li> <li>• Modern Languages—Any Level 4 or above language course in French, German, and Spanish, including translation courses</li> <li>• Political Science—POLSC 333, 505, 511, 540, 541, 543, 545, 549, 622, 623, 624, 626, 627, 629, <u>641</u>, 642, 643, 645, 647, <u>649</u>, 651, 652, 653, or 655</li> <li>• Sociology—SOCIO 363, 505, 507, 522, 535, 618, 635, or 742</li> </ul>
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Latin) to satisfy the international studies overlay requirement.

## Office for the Advancement of Women in Science and Engineering (KAWSE)

125 Seaton Hall

785-532-6088

Fax: 785-532-2627

E-mail: [kawse@k-state.edu](mailto:kawse@k-state.edu)

[www.k-state.edu/kawse/](http://www.k-state.edu/kawse/)

The K-State Office for the Advancement of Women in Science and Engineering, or KAWSE, is administered by the Office of the Provost and is supported by the Colleges of Agriculture, Arts and Sciences, and Engineering. KAWSE sponsors outreach programs to foster the interest and professional development of girls and women in science, technology, engineering and math, or STEM, fields. KAWSE has institutionalized many of the programs previously funded by National Science Foundation awards. Through mentoring, lectures, seminars and hands-on exploration of STEM, this office equips women of all ages to be more successful and visible in cutting-edge disciplines, thereby enhancing the diversity and efficacy of STEM universally.

KAWSE activities include on-campus speakers, career exploration panels, workforce preparation programs, and social events to facilitate student and faculty contact. Students are also encouraged to become involved in KAWSE's ongoing research and outreach programs to middle and high school students.

Students may use the fourth course in a single foreign language sequence (other than Latin) to satisfy the international studies overlay requirement.

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KAWSE encompasses four programs on the Manhattan campus that provide an integrated set of experiences to foster the interest and professional development of girls and women in STEM disciplines. These programs focus on females' interest in STEM fields from the time they are in sixth grade through postdoctoral study and in their roles as university faculty. Descriptions of each program are included below

- **ADVANCE** provides events and networking opportunities to enrich the environment for women postdoctoral students and faculty in STEM fields at K-State.
- **SUCCEED** creates opportunities for women to flourish in STEM fields. Undergraduate and graduate students can serve as mentors to middle and high school students, share in mentoring connections with alumnae, and network with faculty and other students in STEM.
- **EXCITE**, or Exploring Science, Technology and Engineering, is designed for students in ninth through 12th grades. The goal of the program is to foster girls' continuing interest in STEM. Students can also participate in a three-day summer workshop to learn about the latest research through hands-on activities presented by undergraduate and graduate students and faculty.
- **GROW**, or Girls Researching Our World, is designed for all students in sixth through eighth grades. The goal of the program is to increase girls' interest in STEM fields. Students participate in hands-on activities

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## Pre-Health Professions

*Students interested in pre-health are advised in the Pre-Health Professions Advisors Office.*

As careers in health professions continue to be plentiful, applicants to health professional schools become more numerous and requirements for admission become more competitive. One of the universal requirements is a high grade point average (GPA). Therefore, after completing 24 or more semester hours at K-State, students with a K-State GPA below 3.0 will have their pre-health designation removed from their academic plan.

Academic prerequisites for successful application to health professions schools and programs are different for each profession and vary from program to program within individual professions. Some programs require completion of a bachelor's degree before matriculation while others require only the completion of specific coursework. No specific bachelor's degree is required.

Creating a competitive applicant profile takes time and includes more than academics. Therefore, all students who are considering a health profession should consult with the appropriate health professions advisor in the College of Arts and Sciences Dean's Office early in their undergraduate career.

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consult with the appropriate advisor in the College of Arts and Sciences Dean's Office early in their undergraduate career. Advisors can help students:

- Learn about the many different health professions
- Find ways to confirm their decision to pursue a career in health care
- Prepare academically and non-academically to become a competitive applicant
- Understand pre-requisites and the importance of course sequencing
- Navigate the application process
- Decide the best time to apply to a particular program
- Identify alternative career plans, etc.

Some health care professional schools require a baccalaureate (undergraduate) degree prior to matriculating (entering) that professional school or program while others do not require the baccalaureate degree.

If you are interested in the following health care areas you must complete a baccalaureate degree:

- [Dentistry](#)
- [Medicine](#)
- [Occupational Therapy](#)
- [Optometry](#)
- [Physical Therapy](#)
- [Physician Assistant](#)

No specific major is preferred over another and students may choose their major from any undergraduate department at K-State.

The following health careers require specific prerequisites but not require completion of a degree. Please note that some students

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**Pre-Health Designations:**

- [Chiropractic](#)
- [Clinical Laboratory Science](#)
- [Health Information Management](#)
- [Nursing](#)
- [Pharmacy](#)
- [Respiratory Care](#)
- [Veterinary Medicine](#)

(Pre-vet advising is available through both the College of Arts and Sciences and College of Agriculture.)

Students interested in [Athletic Training](#), [Dietetics](#), [Communications Sciences and Disorders](#) or [Kinesiology](#) will be advised for their degree through the [College of Human Ecology](#). All of these are appropriate majors for students who are a pre-health student.

Students are encouraged to contact [Career Center](#) to obtain additional information about health careers and to explore the majors offered at K-State.

As careers in health care continue to be plentiful, the number of applicants to professional programs and schools has significantly increased. As such, the application process has become more competitive. One of the universal requirements is a high grade point (GPA) average. Therefore, after completing 24 or more semester hours at K-State, students with a K-State GPA below 3.0 will have their pre-health designation removed from their academic plan. In order to be competitive,

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**Helpful Links**

- [Explore Health Careers](#)
- [Health Professions Advisors](#)

**For additional information contact:**

Health Professions Advising Office  
 College of Arts and Sciences  
 Kansas State University  
~~117 Eisenhower Hall~~  
 Manhattan, KS 66506-~~1011~~  
 785-532-~~6900~~

**Programs, Degrees, Majors,  
 Secondary Majors and Minors**

The undergraduate degrees offered in the College of Arts and Sciences are: bachelor of arts, bachelor of fine arts, bachelor of music, bachelor of music education, and bachelor of science.

Below in the left column are majors, options, advising programs, and degrees offered. In the right column are names of the departments under which the major programs are offered. The specific requirements for a degree in the various curricula may be found in the department listings later in the College of Arts and Sciences catalog section.

<b>Programs</b>	<b>Departmental Office</b>
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**Helpful Links**

- [Explore Health Careers](#)
- [Health Professions Advisors](#)

**For additional information contact:**

Health Professions Advising Office  
 College of Arts and Sciences  
 Kansas State University  
107 Calvin Hall  
 Manhattan, KS 66506  
 785-532-6904

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<b>Programs</b>	<b>Departmental Office</b>
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American Ethnic Studies, BA or BS	American Ethnic Studies	American Ethnic Studies, BA or BS	American Ethnic Studies
Anthropology, BA or BS	Sociology, Anthropology, and Social Work	Anthropology, BA or BS	Sociology, Anthropology, and Social Work
Art, BA or BFA	Art	Art, BA or BFA	Art
Biochemistry, BA or BS	Biochemistry and Molecular Biophysics	Biochemistry, BA or BS	Biochemistry and Molecular Biophysics
Biology, BA or BS	Biology	Biology, BA or BS	Biology
Chemistry, BA or BS	Chemistry	Chemistry, BA or BS	Chemistry
Clinical Laboratory Science (Medical Technology), BA or BS	Dean's office	Clinical Laboratory Science (Medical Technology), BA or BS	Dean's office
Communication Studies, BA or BS	Communication Studies	Communication Studies, BA or BS	Communication Studies
Economics, BA or BS	Economics	Economics, BA or BS	Economics
English, BA	English	English, BA	English
Fisheries, Wildlife, & Conservation Biology, BA or BS	Biology	Fisheries, Wildlife, & Conservation Biology, BA or BS	Biology
Gender, Women, and Sexuality Studies, BA or BS	Gender, Women, and Sexuality Studies	Gender, Women, and Sexuality Studies, BA or BS	Gender, Women, and Sexuality Studies



Geography, BA or BS	Geography	Geography, BA or BS	Geography
Geology, BA or BS	Geology	Geology, BA or BS	Geology
History, BA or BS	History	History, BA or BS	History
Interdisciplinary Studies <ul style="list-style-type: none"> <li>• Humanities, BA only</li> <li>• Life Science, BA or BS</li> <li>• Physical Science, BA or BS</li> <li>• Social Science, BA or BS</li> </ul>	Dean's office	Interdisciplinary Studies <ul style="list-style-type: none"> <li>• Humanities, BA only</li> <li>• Life Science, BA or BS</li> <li>• Physical Science, BA or BS</li> <li>• Social Science, BA or BS</li> </ul>	Dean's office
Mass Communications, BA or BS	Journalism and Mass Communications	Mass Communications, BA or BS	Journalism and Mass Communications
Mathematics, BA or BS	Mathematics	Mathematics, BA or BS	Mathematics
Microbiology, BA or BS	Biology	Microbiology, BA or BS	Biology
Modern Languages, BA	Modern Languages	Modern Languages, BA	Modern Languages
Music, BA or BM <ul style="list-style-type: none"> <li>• Music Theatre Option</li> <li>• Instrumental Performance</li> <li>• Vocal Performance</li> <li>• Composition</li> </ul>	School of Music, Theatre, and Dance	Music, BA or BM <ul style="list-style-type: none"> <li>• Music Theatre Option</li> <li>• Instrumental Performance</li> <li>• Vocal Performance</li> <li>• Composition</li> </ul>	School of Music, Theatre, and Dance

Music Education, <b>BME</b>	School of Music, Theatre, and Dance	Music Education, <b>BME</b>	School of Music, Theatre, and Dance
Philosophy, <b>BA or BS</b>	Philosophy	Philosophy, <b>BA or BS</b>	Philosophy
Physics, <b>BA or BS</b>	Physics	Physics, <b>BA or BS</b>	Physics
Political Science, <b>BA or BS</b>	Political Science	Political Science, <b>BA or BS</b>	Political Science
Psychology, <b>BA or BS</b>	Psychological Sciences	Psychology, <b>BA or BS</b>	Psychological Sciences
Social work, <b>BA or BS</b>	Sociology, Anthropology, and Social Work	Social work, <b>BA or BS</b>	Sociology, Anthropology, and Social Work
Sociology, <b>BA or BS</b>	Sociology, Anthropology, and Social Work	Sociology, <b>BA or BS</b>	Sociology, Anthropology, and Social Work
Statistics and Data Science, <b>BA or BS</b>	Statistics	Statistics and Data Science, <b>BA or BS</b>	Statistics
Theatre, <b>BA or BS</b>	School of Music, Theatre, and Dance	Theatre, <b>BA or BS</b>	School of Music, Theatre, and Dance

*\*Students who complete pre-veterinary medicine requirements in the College of Arts and Sciences will be eligible for the bachelor of science degree in life science from the College of Arts and Sciences upon completion of the first professional year in a College of Veterinary Medicine.*

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### Secondary Majors

Secondary majors are majors that can be taken only in addition to the primary majors listed above.

- Biological Engineering
- Gerontology
- Global Food Systems Leadership
- International Studies
- Latin American Studies
- Natural Resources and Environmental Sciences

### Minors

Contact the appropriate program director:

- Aerospace Studies
- African Studies
- American Ethnic Studies
- Anthropology
- Art
- Biology
- Chemistry
- Chinese
- Classical Studies
- Communication Studies
- Dance
- East Asian Studies
- Economics
- English
- Environmental Geophysics
- French
- Gender, Women, and Sexuality Studies
- Geography

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- Geology
- German
- History
- Japanese
- Jazz Studies
- Mass Communications
- Music
- Philosophy
- Physics
- Political Science
- Queer Studies
- Russian
- South Asian Studies
- Spanish
- Spanish Translation
- Statistics
- Theatre

- Geology
- German
- History
- Japanese
- Jazz Studies
- Mass Communications
- Music
- Philosophy
- Physics
- Political Science
- Queer Studies
- Russian
- South Asian Studies
- Spanish
- Spanish Translation
- Statistics
- Theatre

## Secondary Teacher Licensure

An arts and sciences major may apply some elective hours toward the requirements for a secondary teacher license. In most arts and sciences departments, students can complete an academic major and earn a license within the 124 hours of course work required for a degree. (Students who entered K-State before the fall of 2003 require only 120 hours for graduation.) Because the teacher education courses are offered through the College of Education, students who choose to combine these two programs are entitled to two advisors, one in the major field of study, the other in secondary education.

By combining a traditional academic major with teaching license, students can be assured of varied choices after graduation. By pursuing an arts and sciences major,

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students also have the option of working toward a bachelor of arts degree and studying a foreign language. In addition, the teaching license will qualify graduates to teach in a public secondary school. For specific licensure requirements in secondary education, see the [Department of Curriculum and Instruction](#) in this catalog.

## Study Abroad

304 Fairchild Hall  
785-532-5990  
Fax: 785-532-6550  
E-mail: [oiip@k-state.edu](mailto:oiip@k-state.edu)  
[www.k-state.edu/oiip/students](http://www.k-state.edu/oiip/students)

The Office of Study Abroad should be the first stop for students who wish to study in another country for a year, a semester, a summer, or an intersession.

Students may apply for scholarships, such as the Fulbright or the Pearson, or scholarship-exchanges, such as the K-State/Justus Liebig year abroad. Through the International Student Exchange Program it is possible to study for a semester or a year at one of 100 colleges and universities outside the U.S. for the same cost as tuition, room, and board at K-State. Financial aid from almost every agency is applicable to all credit-earning programs.

For more information, see the [International Programs](#) section of this catalog.

## Study of the Arts and Sciences Through Primary Texts Certificate

Laurie M. Bagby, Director  
226 Waters Hall

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<p>785-532-0441  E-mail: <a href="mailto:lauriej@k-state.edu">lauriej@k-state.edu</a>  <a href="http://www.k-state.edu/artsci/primary">www.k-state.edu/artsci/primary</a></p> <p>This program provides an opportunity to take part in a conversation with some of the best thinkers humankind has produced. The study of primary texts or original works in philosophy, politics, literature, and the sciences encourages critical thinking, and there is a growing acknowledgment among employers that this type of training develops lifelong learners and future leaders. This program also gives students who want to pursue graduate education early experience in grappling with original works such as they will inevitably encounter in graduate school.</p> <p>The certificate is an 18-hour program of study that students can tailor to their needs. Students must take DAS 300: The Great Conversation: Primary Texts Core Course, preferably early in the Primary Texts coursework. At least nine hours must be at the 400 level or above. Selected courses must cover at least two academic disciplines. Transfer courses that can be documented to have substantial primary text content may be accepted, but at least half of the courses must be completed at K-State. To receive the certificate, students must complete a capstone paper and have a minimum 2.75 GPA in the program at the time they graduate.</p> <p>Students must submit to the director an essay on a question listed on the certificate website and/or approved by a participating professor. This essay will be kept on file until students are taking or have completed their final course in the program, whereupon they will be asked to revisit the question and improve the essay as a capstone assignment.</p>	<p>785-532-0441  E-mail: <a href="mailto:lauriej@k-state.edu">lauriej@k-state.edu</a>  <a href="http://www.k-state.edu/artsci/primary">www.k-state.edu/artsci/primary</a></p> <p>This program provides an opportunity to take part in a conversation with some of the best thinkers humankind has produced. The study of primary texts or original works in philosophy, politics, literature, and the sciences encourages critical thinking, and there is a growing acknowledgment among employers that this type of training develops lifelong learners and future leaders. This program also gives students who want to pursue graduate education early experience in grappling with original works such as they will inevitably encounter in graduate school.</p> <p>The certificate is an 18-hour program of study that students can tailor to their needs. Students must take DAS 300: The Great Conversation: Primary Texts Core Course, preferably early in the Primary Texts coursework. At least nine hours must be at the 400 level or above. Selected courses must cover at least two academic disciplines. Transfer courses that can be documented to have substantial primary text content may be accepted, but at least half of the courses must be completed at K-State. To receive the certificate, students must complete a capstone paper and have a minimum 2.75 GPA in the program at the time they graduate.</p> <p>Students must submit to the director an essay on a question listed on the certificate website and/or approved by a participating professor. This essay will be kept on file until students are taking or have completed their final course in the program, whereupon they will be asked to revisit the question and improve the essay as a capstone assignment.</p>
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Students can count certificate courses towards the fulfillment of other College of Arts and Sciences requirements. As long as they are also designated as university general education in the line schedule, courses taken for the certificate can also be counted toward the 18 hours of UGE needed to graduate. Certificate courses that also fit the basic or distribution requirements of the College of Arts and Sciences can be used to fulfill those requirements. Certificate courses that also happen to be a part of a student's major or minor can be counted for fulfillment of the requirements of both the certificate and the major or minor. DAS 300 can be taken by Honor students for Honors credit. Consult with the directors of the Primary Texts and Honors programs on additional courses that may count in both programs.

Students who think they have fulfilled part or all of the requirements before enrolling in the program should contact the director. Students should notify the director of their interest in the program as soon as possible in their college career. The director will assist them with enrollment. Students can find a description of the program, a list of Primary Texts courses, and information on the capstone paper requirement on the certificate [website](#).

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The University Honors Program, or the UHP, encourages students to grow in the intellectual craft of scholarship. Through cultural and performing arts events, skill-

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development workshops, travel opportunities, and challenging course work, UHP students will increase their intellectual curiosity about the world, its wonders and its complexity. The UHP will challenge students to reach their full potential as scholarly, competent and fulfilled leaders.

### ***Admission requirements***

The general criteria for admission to the UHP are as follows:

1. ACT composite of 29 or greater.
2. A high school GPA of 3.75 or greater (weighted or unweighted).
3. Completion of the UHP application through the [Honors Administration Link](#).

Students who have notable extracurricular experience and/or leadership activities and who, for whatever reason, do not quite achieve the GPA and ACT scores are still encouraged to apply. All components of the application are used to reach a final decision.

Current students wishing to enter the UHP should have a cumulative GPA of 3.5 (K–State grades only) and are encouraged to visit with the UHP staff.

Because of the high quality and number of applicants, meeting the above criteria does not necessarily guarantee admission.

Students must maintain a 3.5 GPA to remain in good standing and to graduate from the UHP.

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### ***University Honors Program – Completion requirements***



<p>1. Orientation: One (1) introductory course –1 credit</p> <p>UHP students will complete the following course:</p> <p>XXX189 Introduction to University Honors Program [XXX indicated students will enroll by college. All 189 sections will have the same content and format]</p> <p>2. Courses: Four (4) for-credit academic courses – 12 credits minimum</p> <p>At least four UHP-eligible courses must be completed for credit for a minimum of twelve credit hours. UHP students will have the flexibility to choose from a menu of three eligible options:</p> <ul style="list-style-type: none"> <li>• UHP-designated courses (e.g., Honors Chemistry, Honors Introduction to the Humanities) that carry course credit.</li> <li>• Contract courses (i.e., a regular for-credit course where the student and instructor agree upon additional scholarly expectations and outcomes).</li> <li>• Course credits taken for undergraduate research.</li> </ul> <p>3. Experiences: Three (3) co-curricular experiences and/or additional for-credit academic courses – total credits will vary: no minimum.</p> <p>This requirement accommodates multiple forms of experimental learning, co-curricular enrichment, and/or additional UHP-eligible coursework. Eligible co-curricular experiences will include items such as study abroad, International Service Teams participation, undergraduate research, internships, participation on</p>	<p>1. Orientation: One (1) introductory course –1 credit</p> <p>UHP students will complete the following course:</p> <p>XXX189 Introduction to University Honors Program [XXX indicated students will enroll by college. All 189 sections will have the same content and format]</p> <p>2. Courses: Four (4) for-credit academic courses – 12 credits minimum</p> <p>At least four UHP-eligible courses must be completed for credit for a minimum of twelve credit hours. UHP students will have the flexibility to choose from a menu of three eligible options:</p> <ul style="list-style-type: none"> <li>• UHP-designated courses (e.g., Honors Chemistry, Honors Introduction to the Humanities) that carry course credit.</li> <li>• Contract courses (i.e., a regular for-credit course where the student and instructor agree upon additional scholarly expectations and outcomes).</li> <li>• Course credits taken for undergraduate research.</li> </ul> <p>3. Experiences: Three (3) co-curricular experiences and/or additional for-credit academic courses – total credits will vary: no minimum.</p> <p>This requirement accommodates multiple forms of experimental learning, co-curricular enrichment, and/or additional UHP-eligible coursework. Eligible co-curricular experiences will include items such as study abroad, International Service Teams participation, undergraduate research, internships, participation on</p>
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<p>a university competition team, and work as a teaching assistant.</p> <p>The UHP will develop and maintain guidelines for what constitutes a qualifying experience, including a menu of options. Other experiences may also be proposed, pending the approval of the relevant College coordinator and the UHP staff.</p> <p>In brief, eligible experiences will require students to intentionally reference and integrate knowledge from their curriculum in an applied fashion and involve active accountability (supervision, mentorship, instruction, etc.). Thus, eligible co-curricular experiences are not intended to encompass routine participation or leadership in campus clubs or “student life” activities.</p> <p>Students may also choose to complete additional UHP-eligible and for-credit academic courses in this category.</p> <p>4. Project: One (1) independent UHP scholarly project - 0-3 credits.</p> <p>Students can select one of four tracks to complete their UHP Project. Each track emphasizes integrative, independent learning and skill development.</p> <ul style="list-style-type: none"> <li>• a. Research track - A traditional “honors thesis” where students complete research under the supervision of faculty members.</li> <li>• b. International track - Project based upon study or service abroad for a minimum duration of ten weeks.</li> <li>• c. Professional track -Project based upon a full-time internship or co-op</li> </ul>	<p>a university competition team, and work as a teaching assistant.</p> <p>The UHP will develop and maintain guidelines for what constitutes a qualifying experience, including a menu of options. Other experiences may also be proposed, pending the approval of the relevant College coordinator and the UHP staff.</p> <p>In brief, eligible experiences will require students to intentionally reference and integrate knowledge from their curriculum in an applied fashion and involve active accountability (supervision, mentorship, instruction, etc.). Thus, eligible co-curricular experiences are not intended to encompass routine participation or leadership in campus clubs or “student life” activities.</p> <p>Students may also choose to complete additional UHP-eligible and for-credit academic courses in this category.</p> <p>4. Project: One (1) independent UHP scholarly project - 0-3 credits.</p> <p>Students can select one of four tracks to complete their UHP Project. Each track emphasizes integrative, independent learning and skill development.</p> <ul style="list-style-type: none"> <li>• a. Research track - A traditional “honors thesis” where students complete research under the supervision of faculty members.</li> <li>• b. International track - Project based upon study or service abroad for a minimum duration of ten weeks.</li> <li>• c. Professional track -Project based upon a full-time internship or co-op</li> </ul>
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<p>those credits towards the completion of UHP course requirements.</p> <ul style="list-style-type: none"> <li>• The completion of graduate-level coursework above and beyond the stated requirements of the student's declared major may be counted for UHP credit through the process of course contracting.</li> </ul> <p><b>For more information</b>  <a href="http://www.k-state.edu/ksuhonors">www.k-state.edu/ksuhonors</a>  E-mail: <a href="mailto:ksuhonors@k-state.edu">ksuhonors@k-state.edu</a></p>	<p>those credits towards the completion of UHP course requirements.</p> <ul style="list-style-type: none"> <li>• The completion of graduate-level coursework above and beyond the stated requirements of the student's declared major may be counted for UHP credit through the process of course contracting.</li> </ul> <p><b>For more information</b>  <a href="http://www.k-state.edu/ksuhonors">www.k-state.edu/ksuhonors</a>  E-mail: <a href="mailto:ksuhonors@k-state.edu">ksuhonors@k-state.edu</a></p>
<hr/> <p><b>Programs</b></p> <p><b>Bachelor of Arts</b></p> <ul style="list-style-type: none"> <li>• • Humanities (B.A.)</li> </ul> <p><b>Bachelor of Arts/Bachelor of Science</b></p> <ul style="list-style-type: none"> <li>• • Clinical Laboratory Science (Medical Technology) B.A./B.S.</li> <li>• • Life Science B.A./B.S.</li> <li>• • Physical Science B.A./B.S.</li> <li>• • Social Science B.A./B.S.</li> </ul> <p><b>Certificates</b></p> <ul style="list-style-type: none"> <li>• • American Language and Culture Certificate</li> <li>• • Nonviolence Studies Certificate</li> <li>• • Study of the Arts and Sciences Through Primary Texts Certificate</li> </ul> <p><b>Non-Degree</b></p> <ul style="list-style-type: none"> <li>• • Pre-Health Designations</li> </ul> <p><b>Secondary Major</b></p> <ul style="list-style-type: none"> <li>• • International Studies Secondary Major</li> </ul>	<hr/> <p><b>Programs</b></p> <p><b>Bachelor of Arts</b></p> <ul style="list-style-type: none"> <li>• • Humanities (B.A.)</li> </ul> <p><b>Bachelor of Arts/Bachelor of Science</b></p> <ul style="list-style-type: none"> <li>• • Clinical Laboratory Science (Medical Technology) B.A./B.S.</li> <li>• • Life Science B.A./B.S.</li> <li>• • Physical Science B.A./B.S.</li> <li>• • Social Science B.A./B.S.</li> </ul> <p><b>Certificates</b></p> <ul style="list-style-type: none"> <li>• • American Language and Culture Certificate</li> <li>• • Nonviolence Studies Certificate</li> <li>• • Study of the Arts and Sciences Through Primary Texts Certificate</li> </ul> <p><b>Non-Degree</b></p> <ul style="list-style-type: none"> <li>• • Pre-Health Designations</li> </ul> <p><b>Secondary Major</b></p> <ul style="list-style-type: none"> <li>• • International Studies Secondary Major</li> </ul>

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**RATIONALE:** The College of Arts and Sciences are updating the basic requirements to include courses approved to fulfill those requirements.

**IMPACT:** There is no impact on other units.

**EFFECTIVE DATE:** Fall 2017

U.S. Multicultural Overlay

**ADD:**

Purpose: To educate students on the historical and contemporary inequities related to race and ethnicities that are currently considered as non-white in the United States.

U.S. Multicultural Overlay Criteria

All four criteria must be met in a one-semester course.

1. Courses that fulfill the overlay requirement will have a preponderance of their content on race and/or ethnicities that are perceived as non-white.
2. Courses that fulfill the overlay requirement will promote awareness of the structural nature of inequities in relation to race and ethnicity within contemporary U.S. culture.
3. Courses that fulfill the overlay requirement will incorporate readings and academic research on historically marginalized communities and structural inequities within the United States. These readings will include writings and/or research by people from these communities and backgrounds. Discipline-specific exceptions will be considered with input from faculty in the discipline.
4. Courses that fulfill the overlay requirement will assess student understanding of structural inequities within the United States through reflective analyses incorporating written, statistical, and/or oral methods.

AMETH 160, 351, 352, 353, 354, 370, 450, 461, 499, 501, 550, 556, 650, 660, 700  
ANTH 513, 605, 615, 710  
ENGL 285, 384, 385, 386, 387, 388, 389, 655  
GWSS 105, 321, 325, 345, 350  
HIST 537, 539  
MC 612  
PHILO 380, 525  
PSYCH 556, 557  
SOCIO 463, 541, 545, 570, 647  
SPAN 560

Select topics courses may fulfill the overlay pending content approval:  
AMETH 560, ENGL 395, HIST 533, GWSS 300, 500

**RATIONALE:** Given the historical and contemporary inequities experienced by races and ethnicities that are currently considered as non-white in the U.S., it is vital for our students to engage with these issues. Therefore, the Arts & Sciences Diversity Committee is proposing that the College of Arts and Sciences incorporate a 3-credit hour course requirement, "U.S. Multicultural Overlay," into the College of Arts and Sciences basic requirements.

While the existing International Overlay addresses global issues, the purpose of the U.S. Multicultural Overlay differs in that it will focus on "how social, political, economic and historical issues impact race and/or ethnic relations" within the United States which is a framework of The Tilford Group<sup>1</sup>. Courses that fulfill the multicultural overlay requirement must have a primary focus on race and/or ethnicities that are considered as non-white. However, the content *may also* intersect with analyses of gender, sexual orientation, language, culture, religion, mental and physical ability, age, socio-economic status, citizenship status, and immigration status. The U.S. Multicultural Overlay provides a focused list of courses that address the structural nature of inequities in relation to race and ethnicity within contemporary U.S. culture. These courses would simultaneously fulfill the current K-State 8 requirement for "Human Diversity in the U.S."

This proposal is strongly supported by the Interim Dean of Arts and Sciences, the Arts and Sciences Diversity Committee, the Student Senate, and the Diversity 2025 Committee. It represents two years of work by multiple subcommittees and includes research into diversity requirements at our peer institutions. There is consensus from the majority of Arts and Sciences department heads that the U.S. Multicultural Overlay is ready to move forward. The program name has evolved over the past two years based on student and faculty input. Students will be contacted annually to take an assessment survey that is developed by the committee. This program evaluation will continue for a minimum of three years as the program matures.

This overlay can be easily recognized by DARS and will not change the required number of hours for degree completion. It will apply to entering first year students beginning fall 2017. Currently, 49 existing courses from multiple departments will satisfy the overlay. Over half of these courses have no prerequisite. Within these courses, sufficient seating is available to accommodate timely progression to degree. Students may satisfy the overlay at the same time as they satisfy basic requirements in the humanities or social sciences categories. Approved courses must fulfill all four learning outcome in a one-semester class. An initial list of approved courses is included below. The Arts & Sciences Diversity Committee will assess and approve additional courses as submitted by departments. Courses will be reviewed once per semester, according to the criteria checklist. Appeals are permitted.

<sup>1</sup> The K-State Tilford Group is a research and development "think tank" consisting of interdisciplinary faculty, administrators, staff and students who work together to develop a multicultural curriculum model that facilitates the total student experience

<http://tilford.k-state.edu/mission-project-outcomes.html>

<http://tilford.k-state.edu/history-development/index.html>

<http://tilford.k-state.edu/resources/multicultural-competency-development.html>

IMPACT: Units within the College of Arts and Sciences have been contacted and are in support.

EFFECTIVE DATE: Fall 2017

Social Science B.A./B.S.

FROM:

TO:

<b>Social Science B.A./B.S.</b>	<b>Social Science B.A./B.S.</b>
<p>Social science is a branch of learning that examines society's institutions—their structures, theoretical foundations, evolution, and interrelationships—and how they affect and are affected by human behavior. The social science disciplines include American ethnic studies, anthropology, economics, geography, history, political science, psychology, sociology, and women's studies. Selected courses in mass communication may also qualify.</p> <p>A student works closely with a social science <del>advisor</del> to determine a plan of study with a thematic emphasis. This theme includes a minimum of 12 credit hours of courses in the major. In general, only <del>one course</del> outside the stipulated social science disciplines may be used to count toward the major, if the course fits the student's theme.</p> <p>The student's social science advisor may encourage him or her to confer with other social science faculty members who have expertise in the area of the student's interest.</p> <p>A total of 36 credit hours must be completed with at least 3 credits being completed in each of four different social science disciplines. At least 9 credit hours must be completed in one social science discipline, including at least one course at the 500–699 level.</p> <p>At least 15 credit hours must be completed in social science disciplines at the 500–699 level.</p> <p>Students must complete at least one course in social science research methods or data analysis. This course may be any statistics (STAT) course that a student is qualified to take, or it may be selected from: <a href="#">GEOG 700 Quantitative Analysis in Geography</a>; <a href="#">HIST 586</a></p>	<p>Social science is a branch of learning that examines society's institutions—their structures, theoretical foundations, evolution, and interrelationships—and how they affect and are affected by human behavior. The social science disciplines include American ethnic studies, anthropology, economics, geography, history, political science, psychology, sociology, and women's studies. Selected courses in <u>communication studies and mass communication</u> may also qualify.</p> <p>A student works closely with a social science <u>advisor</u> to determine a plan of study with a thematic emphasis. This theme includes a minimum of 12 credit hours of courses in the major. In general, only <u>two courses</u> outside the stipulated social science disciplines may be used to count toward the major, if the course fits the student's theme. <b><u>All students must complete DAS 498 Social Sciences Senior Report.</u></b></p> <p>The student's social science advisor may encourage him or her to confer with other social science faculty members who have expertise in the area of the student's interest.</p> <p>A total of 36 credit hours must be completed with at least 3 credits being completed in each of four different social science disciplines. At least 9 credit hours must be completed in one social science discipline, including at least one course at the 500–699 level.</p> <p>At least 15 credit hours must be completed in social science disciplines at the 500–699 level.</p> <p>Students must complete at least one course in social science research methods or data analysis. This course may be any statistics (STAT) course that a student is qualified to take, or it may be selected from: <u>AMETH 550 Research Methods in American Ethnic Studies</u>; <u>ANTH 519 Practical Anthropology</u>; <u>ANTH 660</u></p>

<p><u>Junior Seminar in History; POLSC 400 Political Inquiry and Analysis; POLSC 700 Research Methods in Political Science; PSYCH 350 Experimental Methods in Psychology; SOCIO 520 Methods of Social Research.</u></p> <p>The research/data course cannot be used to fulfill any other requirement in the major. It can, however, be used to fulfill a general requirement. No more than 9 credit hours may be counted toward both the general requirements and the major.</p> <p>A 2.0 GPA in the major is required for graduation. The social science major is not available to students who will earn a degree in anthropology, economics, geography, history, mass <del>communications</del>, political science, psychology, sociology, or women's studies.</p>	<p><u>Ethnohistory; ANTH 777 Research Methods in Digital Ethnography; COMM 433 Communication Research Methods; GWSS 510 Research Methods in Women's Studies; HIST 586 Advanced Seminar in History; MC 396 Strategic Communication Research; POLSC 400 Political Inquiry and Analysis; PSYCH 350 Experimental Methods in Psychology;SOCIO 423 Methods of Social Research.</u></p> <p>The research/data course cannot be used to fulfill any other requirement in the major. It can, however, be used to fulfill a general requirement. No more than 9 credit hours may be counted toward both the general requirements and the major.</p> <p>A 2.0 GPA in courses required for the major (<u>including transfer work</u>). The social science major is not available to students who will earn a degree in anthropology, <u>communication studies</u>, economics, geography, history, mass <u>communication</u>, political science, psychology, sociology, or women's studies.</p>
<p><b>Total credit hours required for graduation: (120)</b></p>	<p><b>Total credit hours required for graduation: (120)</b></p>

RATIONALE: Updating the requirements for the Social Science interdisciplinary degree.

IMPACT: None

EFFECTIVE DATE: Fall 2017

## Gender, Women, and Sexuality Studies

### Queer Studies Minor

FROM:

<p>Requirements (15 credit hours)</p> <p>Required course: GWSS 325 - Queer Studies: Concepts, History, and Politics Credits: 3</p> <p>Elective Courses (12 credit hours)</p> <p>Students may choose electives from approved list that will evolve as the KSU curriculum changes. Currently: AMETH 560 - Topics in American Ethnic Studies Credits: 1-4 (The Intersection of Race, Ethnicity,</p>
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TO:

<p>Requirements (15 credit hours)</p> <p>Required course: GWSS 325 - Queer Studies: Concepts, History, and Politics Credits: 3</p> <p>Elective Courses (12 credit hours)</p> <p>Students may choose electives from approved list that will evolve as the KSU curriculum changes. Currently: AMETH 560 - Topics in American Ethnic Studies Credits: 1-4 (The Intersection of Race, Ethnicity,</p>
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<p>Gender and Sexual Orientation for LGBT Students)  AMETH 560 - Topics in American Ethnic Studies  Credits: 1-4 (Erotic Justice: Audre Lorde)  AMETH 560 - Topics in American Ethnic Studies  Credits: 1-4 (Politics of Women of Color)  AMETH 560 - Topics in American Ethnic Studies  Credits: 1-4 (Race, Sex, and Science Fiction)  COMM 450 - Special Studies in Human Discourse  Credits: 3 (Communication and Sexuality)  ENGL 680 - Topics in American Literature Credits: 3  (Queer Native Literature and Theory)  ENGL 740 - Studies in Literary Theory Credits: 3  (Queer Theory)  GWSS 300 - Selected Studies of Gender, Women, and  Sexuality Studies Credits: 3  GWSS 460 - Coming Out and Sexual Identity Credits:  3  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (Love and Sex in India)  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (LGBTIQ Sex &amp; Motherhood)  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (Black Sexualities)  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (Feminist Science Studies)  GWSS 700 - Advanced Topics in Gender, Women,  and Sexuality Studies Credits: 1-3 (Sexuality Studies)  GWSS 700 - Advanced Topics in Gender, Women,  and Sexuality Studies Credits: 1-3 (Global Sexual  Identities)  GWSS 700 - Advanced Topics in Gender, Women,  and Sexuality Studies Credits: 1-3 (Queer of Color  Critique)  GWSS 700 - Advanced Topics in Gender, Women,  and Sexuality Studies Credits: 1-3 (Black Sexualities)  HIST 559 - History of Aztecs, Inca, and Maya Credits:  3  LEAD 350 - Culture and Context in Leadership  Credits: 3  LEAD 502 - Independent Study in Leadership Studies  Credits: 0-3 (Queer Leadership)  SOCIO 500 - Sociological Perspectives on  Contemporary Issues Credits: 1-18 (Sociology of  Sexuality)</p>	<p>Gender and Sexual Orientation for LGBT Students)  AMETH 560 - Topics in American Ethnic Studies  Credits: 1-4 (Erotic Justice: Audre Lorde)  AMETH 560 - Topics in American Ethnic Studies  Credits: 1-4 (Politics of Women of Color)  AMETH 560 - Topics in American Ethnic Studies  Credits: 1-4 (Race, Sex, and Science Fiction)  COMM 450 - Special Studies in Human Discourse  Credits: 3 (Communication and Sexuality)  ENGL 680 - Topics in American Literature Credits: 3  (Queer Native Literature and Theory)  ENGL 740 - Studies in Literary Theory Credits: 3  (Queer Theory)  <u>FSHS 300 - (Working with LGBTQ Individuals and  Families)</u>  GWSS 300 - Selected Studies of Gender, Women, and  Sexuality Studies Credits: 3  GWSS 460 - Coming Out and Sexual Identity Credits:  3  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (Love and Sex in India)  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (LGBTIQ Sex &amp; Motherhood)  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (Black Sexualities)  GWSS 500 - Topics in Gender, Women, and Sexuality  Studies Credits: 1-3 (Feminist Science Studies)  GWSS 700 - Advanced Topics in Gender, Women, and  Sexuality Studies Credits: 1-3 (Sexuality Studies)  GWSS 700 - Advanced Topics in Gender, Women, and  Sexuality Studies Credits: 1-3 (Global Sexual  Identities)  GWSS 700 - Advanced Topics in Gender, Women, and  Sexuality Studies Credits: 1-3 (Queer of Color Critique)  GWSS 700 - Advanced Topics in Gender, Women, and  Sexuality Studies Credits: 1-3 (Black Sexualities)  HIST 559 - History of Aztecs, Inca, and Maya Credits:  3  LEAD 350 - Culture and Context in Leadership  Credits: 3  LEAD 502 - Independent Study in Leadership Studies  Credits: 0-3 (Queer Leadership)  SOCIO 500 - Sociological Perspectives on  Contemporary Issues Credits: 1-18 (Sociology of  Sexuality)</p>
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**RATIONALE:** Faculty voted to approve the addition of FSHS 300 submitted by the faculty member teaching it.

**IMPACT:** Director of school of FSHS has been contacted.

**EFFECTIVE DATE:** Fall 2017

# NON-EXPEDITED CURRICULUM PROPOSALS

## Graduate

### Geography

#### Geographic Information Science Graduate Certificate

FROM:

TO:

<p>The course requirements for the Graduate Certificate in GIScience are shown below. -A minimum of 15 graduate credit hours is required to earn the certificate. A maximum of two geospatial core courses may be waived and replaced with approved electives in cases where students have completed prior coursework for undergraduate credit. A minimum of 12 hours at the 600-level or higher is required. Students must earn a minimum GPA of 3.33 in the geospatial core to earn the certificate.</p> <p>Prerequisites:</p> <p>Competence in cartography, thematic mapping, of geodesy, or geomatics (e.g., GEOG 302)          Competence in basic statistics (e.g., STAT 320, STAT 330, STAT 350)          Competence in object-oriented computer programming (e.g., Python)</p> <p>Geospatial Core (10 credit hours)</p> <p>GEOG 508 Geographic Information Systems I (4)          GEOG 605 Remote Sensing of the Environment (3)          GEOG 608 Geographic Information Systems II (3)</p>	<p>The course requirements for the Graduate Certificate in GIScience are shown below. -A minimum of 15 graduate credit hours is required to earn the certificate. A maximum of two geospatial core courses may be waived and replaced with approved electives in cases where students have completed prior coursework for undergraduate credit. A minimum of 12 hours at the 600-level or higher is required. Students must earn a minimum GPA of 3.33 in the geospatial core to earn the certificate.</p> <p>Prerequisites:</p> <p>Competence in cartography, thematic mapping, geodesy, or geomatics (e.g., GEOG 302)          Competence in basic statistics (e.g., STAT 320, STAT 330, STAT 350)          Competence in object-oriented computer programming (e.g., Python)</p> <p>Geospatial Core (10 credit hours)</p> <p>GEOG 508 Geographic Information Systems I (4)          GEOG 605 Remote Sensing of the Environment (3)          GEOG 608 Geographic Information Systems II (3)</p>
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<p>Elective courses — Select two (minimum of 6 credit hours):</p> <p>AGRON 655 Site-Specific Agriculture (3)          CE 585 Civil Engineering Project (1-3)          CE 752 Advanced Hydrology (3)          CE 786 Land Development for Civil Engineers and Planners (3)          CIS 501 Software Architecture and Design (3)          CIS 560 Database System Concepts (3)          CIS 635 Introduction to Computer-based Knowledge Systems (3)          CIS 636 Introduction to Computer Graphics (3)          GEOG 602 Computer Mapping and Geographic Visualization (3)          GEOG 610 Geography Internship (1-3)          GEOG 700 Quantitative Analysis in Geography (3)          GEOG 705 Thematic Remote Sensing (3)</p>	<p>Elective courses — Select two (minimum of 6 credit hours):</p> <p>AGRON 655 Site-Specific Agriculture (3)  <u>BAE 669 Watershed Modeling (3)</u>  <u>BAE 869 Advanced Watershed Modeling (3)</u>  <u>BIOL 822 Landscape Ecology (4)</u>          CE 585 Civil Engineering Project (1-3)          CE 752 Advanced Hydrology (3)          CE 786 Land Development for Civil Engineers and Planners (3)  <u>CE 857 Advanced Civil Engineering Design using GIS (3)</u>          CIS 501 Software Architecture and Design (3)          CIS 560 Database System Concepts (3)          CIS 635 Introduction to Computer-based Knowledge Systems (3)</p>
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<p>GEOG 706 Biophysical Remote Sensing (3)  GEOG 709 Geography Field Research Techniques (23)  GEOG 711 Topics in Remote Sensing (3)  GEOG 712 Internet GIS and Distributed GIServices (3)  GEOG 728 Topics in Programming for Geographic Analysis (3)  GEOG 795 Topics in Geographic Information Science (1-3)  GEOG 808 Geocomputation (3)  GEOG 880 Spatial Data Analysis and Modeling (3)  GEOG 890 Advanced Spatial Analysis Techniques (3)  GEOG 895 Topics in Spatial Analysis (1-3)  LAR 704 Environmental Landscape Planning and Design (5)  PLAN 801 Planning Methods 1 (3)  PLAN 836 Community Plan Preparation (3)  STAT 703 Statistical Methods for Natural Scientists (3)  STAT 705 Regression and Analysis of Variance (3)</p>	<p>CIS 636 Introduction to Computer Graphics (3)  <u>CIS 736 Computer Graphics (3)</u>  <u>CIS 761 Database Management Systems (3)</u>  <u>COT 674 Processing Techniques for Low-Altitude Remotely Sensed Data (3)</u>  <u>COT 676 Low-Altitude Remote-Sensing Product/Project Development (3)</u>  <u>DMP 725 GIS Applications in Animal and Public Health (2)</u>  <u>DMP 726 GIS Applications in Animal and Public Health Lab (1)</u>  GEOG 602 Computer Mapping and Geographic Visualization (3)  GEOG 610 Geography Internship (1-3)  GEOG 700 Quantitative Analysis in Geography (3)  GEOG 705 Thematic Remote Sensing (3)  GEOG 706 Biophysical Remote Sensing (3)  <u>GEOG 707 Remote Sensing of Water (3)</u>  GEOG 709 Geography Field Research Techniques (2-3)  GEOG 711 Topics in Remote Sensing (3)  GEOG 712 Internet GIS and Distributed GIServices (3)  GEOG 728 Topics in Programming for Geographic Analysis (3)  <u>GEOG 790 Seminar in Geography (3)</u>  GEOG 795 Topics in Geographic Information Science (1-3)  GEOG 808 Geocomputation (3)  GEOG 880 Spatial Data Analysis and Modeling (3)  GEOG 890 Advanced Spatial Analysis Techniques (3)  GEOG 895 Topics in Spatial Analysis (1-3)  <u>HORT 820 Quantitative Agricultural Remote Sensing (3)</u>    LAR 704 Environmental Landscape Planning and Design (<del>5</del>)(3)    <u>LAR 580 Planning &amp; Design Intro to GIS (2)</u>  <u>MATH 615 Introduction to Digital Image Processing (3)</u>  PLAN 801 Planning Methods 1 (3)  PLAN 836 Community Plan Preparation (3)  STAT 703 Statistical Methods for Natural Scientists (3)  STAT 705 Regression and Analysis of Variance (3)  <u>STAT 726 Introduction to R Computing I</u>  STAT 903 Statistical Methods for Spatial Data (3)</p>
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**RATIONALE:** This is a routine update of the Geographic Information Science Graduate Certificate to reflect recent changes in course names/numbers and cross-listings, as well as to expand the list of pre-approved elective courses. Potentially impacted departments were contacted for comment on February 24, 2017.

**IMPACT:** BAE, BIOL. CE, CIS, COT, DMP, GEOG, HORT, LAR, MATH, STAT.

**EFFECTIVE DATE:** Fall 2017

**Mathematics**

Applied Mathematics Graduate Certificate

FROM:

TO:

<p><b>Core Courses (6 credit hours)</b></p> <p><b>MATH 715</b> Applied Mathematics I   3 credits  <b>MATH 716</b> Applied Mathematics II   3 credits</p> <p><b>Elective Courses (minimum of 6 credit hours)</b></p> <p><b>MATH 615</b> Introduction to Digital Image Processing   3 credits  <b>MATH 635</b> Dynamics, Chaos, and Fractals   3 credits  <b>MATH 789</b> Combinatorial Analysis   3 credits  <b>IMSE 881</b> Linear Programming   3 credits  <b>IMSE 882</b> Network Flows and Graph Theory   3 credits  <b>IMSE 884</b> Integer Programming and Combinatorial Optimization   3 credits  <b>IMSE 982</b> Nonlinear Programming   3 credits  <b>ECE 840</b> Computer Engineering Methods for Analysis, Simulation, and Design   3 credits  <b>ECE 861</b> Noise Theory   3 credits  <b>ECE 963</b> Signal Detection Theory   3 credits  <b>ECE 965</b> Information Theory   3 credits  <b>CE 803</b> Numerical and Analytic Techniques for Engineers   3 credits  <b>STAT 704</b> Analysis of Variance   2 credits  <b>STAT 705</b> Regression and Correlation Analysis   2 credits  <b>STAT 710</b> Sample Survey Methods   2 credits  <b>STAT 713</b> Applied Linear Statistical Models   4 credits  <b>STAT 716</b> Nonparametric Statistics   2 credits  <b>STAT 717</b> Categorical Data Analysis   3 credits  <b>STAT 720</b> Design of Experiments   3 credits .  <b>STAT 722</b> Experimental Design for Product Development and Quality Improvement   3 credits  <b>STAT 730</b> Multivariate Statistical Methods   3 credits  <b>STAT 736</b> Bioassay   2 credits  <b>STAT 745</b> Statistical Graphics   3 credits</p>	<p><b>Core Courses (6 credit hours)</b></p> <p><b>MATH 715</b> Applied Mathematics I   3 credits  <b>MATH 716</b> Applied Mathematics II   3 credits</p> <p><b>Elective Courses (minimum of 6 credit hours)</b></p> <p><b>MATH 615</b> Introduction to Digital Image Processing   3 credits  <b>MATH 635</b> Dynamics, Chaos, and Fractals   3 credits  <u><b>MATH 725</b> The Mathematics of Data and Networks I</u>  <u><b>Math 726</b> The Mathematics of Data and Networks II</u>  <b>MATH 789</b> Combinatorial Analysis   3 credits  <u><b>MATH 801</b> Numerical Solution of Differential Equations I</u>  <u><b>MATH 802</b> Numerical Solution of Differential Equations I</u>  <b>IMSE 881</b> Linear Programming   3 credits  <b>IMSE 882</b> Network Flows and Graph Theory   3 credits  <b>IMSE 884</b> Integer Programming and Combinatorial Optimization   3 credits  <b>IMSE 982</b> Nonlinear Programming   3 credits  <b>ECE 840</b> Computer Engineering Methods for Analysis, Simulation, and Design   3 credits  <b>ECE 861</b> Noise Theory   3 credits  <b>ECE 963</b> Signal Detection Theory   3 credits  <b>ECE 965</b> Information Theory   3 credits  <b>CE 803</b> Numerical and Analytic Techniques for Engineers   3 credits  <b>STAT 704</b> Analysis of Variance   2 credits  <b>STAT 705</b> Regression and Correlation Analysis   2 credits  <b>STAT 710</b> Sample Survey Methods   2 credits  <b>STAT 713</b> Applied Linear Statistical Models   4 credits  <b>STAT 716</b> Nonparametric Statistics   2 credits  <b>STAT 717</b> Categorical Data Analysis   3 credits  <b>STAT 720</b> Design of Experiments   3 credits .  <b>STAT 722</b> Experimental Design for Product Development and Quality Improvement   3 credits  <b>STAT 730</b> Multivariate Statistical Methods   3 credits  <b>STAT 736</b> Bioassay   2 credits  <b>STAT 745</b> Statistical Graphics   3 credits  <u><b>ME 820</b> Intermediate Topics in Thermal and Fluid Mechanics (Rational Mechanics of Fluids)</u>  <u><b>CIS625</b> Concurrent Software Systems</u>  <u><b>CIS770</b> Formal Language Theory</u></p>
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	<u>CIS775 Analysis of Algorithms</u>
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**RATIONALE:** It is proposed here to add elective courses to the curriculum of the Graduate Certificate in Applied Mathematics. The proposed changes are necessitated by both growth of the Applied Mathematics program at the Department of Mathematics, and increased interest to the Graduate Certificate in Applied Mathematics from other departments.

**IMPACT:** The proposed changes have been approved by the departments that offer the courses. Letters of support from the corresponding departments are attached.

**EFFECTIVE DATE:** Fall 2017

