Meeting of the College Academic Council
College of Liberal Arts & Sciences -- 210 Strong Hall
March 12, 2013 - 4:00 p.m.

AGENDA

I. APPROVAL OF THE FEBRUARY 12, 2013 CAC MINUTES

II. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)
Submitted by Cynthia Lynn, presented by Eve Levin
Items approved in the February 14, 2013, Meeting of the CGS

A. Curricular Changes for Approval
   NEW COURSES:  GEOL 754; POLS 904
   COURSE CHANGES: GEOL 751; POLS 909

B. Program Changes for Approval
   PROGRAM CHANGE:  M.S. in Geology
   PROGRAM CHANGE:  Ph.D. in Geology
   PROGRAM CHANGE:  M.A. in Visual Art Education

III. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES AND ADVISING (CUSA)
(Items approved in the February 12, 2013 and March 5, 2013 meetings of the CUSA)
Submitted by Lanis Atwood, presented by Bob Hurst, 2012-2013 CUSA Chair

A. Curricular Changes for Approval
   NEW COURSES:  ANTH 561, EALC 361, EALC 362, EALC 561, EALC 562, HIST 352, HIST 355, HWC 350, ISP 350, LAA 561, LING 111, PSYC 375
   COURSE CHANGES:  PSYC 370, PSYC 371, PSYC 380, PSYC 381, SPLH 320

B. Degree Requirements for Approval
   a. Changes to Existing Major in Speech-Language-Hearing – BA & BGS
   b. Changes to Existing Major in Dance
   c. Changes to Existing Major – B.A. and B.G.S. in Psychology
   d. Changes to Existing Minor – Psychology
   e. Changes to Existing Major Admission Requirement for the B.S. in Behavior Neuroscience
   f. Changes to Existing Major -B.S. in Behavioral Neuroscience

C. Old Business for Approval
   a. Writing requirement (attachment 1)

Next regularly scheduled meeting of the CAC will be Tuesday, March 12, at 4:00 PM in 210 Strong Hall.
I. APPROVAL OF THE MARCH 12, 2013 CAC MINUTES

College of Liberal Arts & Sciences
College Academic Council
Minutes – February 12, 2013

Committee members in attendance: Norman Akers, Jackie Brinton, Heather Desaire, Johannes Feddema, Jane Gibson, Michelle Heffner Hayes, Steve Ilardi, Anna Neill, Jorge Pérez and Kathy Suprenant

Committee members not in attendance: Ebenezer Obadare, Cody Powers, Alex Rippberger, John Tibbetts

Others in attendance: Danny Anderson, Ann Cudd, Larry Fillian, Bob Goldstein, Marsha Haufler, Bob Hurst, Liz Kowalchuk, Eve Levin, Xingong Li, Cindy Lynn, Jim Mielke, Anne Sawyer

The meeting was called to order by Danny Anderson at 4:00 PM.

Minutes
A motion was made and seconded to approve the December 11, 2012 minutes of the College Academic Council as written. The motion was approved unanimously.

Report of the Committee on Graduate Studies (CGS)
(Eve Levin, 2012-13 CGS Chair, reporting)

- The motion (CGS report by Eve Levin) was seconded, and the CAC voted unanimously to approve the following curricular changes:
  
  NEW COURSE: MATH 951
  COURSE DELETION: INS 878 (Previously GINS 878)

- Individual motions (CGS report by Eve Levin) were seconded and the CAC voted unanimously to approve the following program changes:
  
  NEW DEGREE PROGRAM: Geography MS
  PROGRAM CHANGE: Geography PHD

  (this will now be sent to the next level of the approval process)

Report of the Committee on Undergraduate Studies & Advising (CUSA)
(Robert Hurst, 2012-2013 CUSA Chair, reporting)

- The motion (CUSA report by Robert Hurst) was seconded and the CAC voted unanimously to approve the following curricular changes:
  
  NEW COURSES: HA 392, HA 592, HIST 481, GEOL 101, GIST 301, GIST 493, GIST 610, REL 541, REL 543, REL 545

  CHANGES: CHIN 562, CHIN 564, KOR 504, KOR 508, FMS 414, HA 584, GEOL 102, GEOL 501

- The motion (CUSA report by Robert Hurst) was seconded and the CAC voted unanimously to approve the following degree requirements:
a. Changes to Existing Major in Geology – B.A. & B.S.
b. Changes to Existing Minor in Geology

- The motion (CUSA report by Robert Hurst) was seconded and the CAC voted unanimously to approve the following degree requirements, with a friendly amendment requesting deletion of the four extraneous bullet points on p. 14 of the agenda, at the end of the Justification:

Changes to Existing Minor in Latin American and Caribbean Studies

- Proposed policy adjustments for quantitative requirements and laboratory requirements for the Bachelor of Arts degree were received.

Other Business

CAC discussed the process for ratifying the B.A. degree requirements recommended by CUSA. By consensus CAC agreed that Dean Anderson should:

1. hold informational sessions for the College Assembly,
2. consult with CAC regarding the electronic ballot, and
3. proceed with an electronic referendum in the College Assembly to finalize the new B.A. degree requirements.

At 5:05 PM, a motion was made, seconded and approved unanimously to adjourn the meeting.

Next regularly scheduled College Academic Council Meeting: Tuesday, March 12, 2013, at 4:00 PM (210 Strong Hall)

Minutes recorded and transcribed by Anne Sawyer (Secretary to the College Assembly)

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II. REPORT OF THE COMMITTEE ON GRADUATE STUDIES (CGS)

A. Curricular Changes for Approval

GEOLOGY

CHANGE:  NEW COURSE
GEOL 754  Contaminant Transport (3)

A study of the transport of conservative and non-conservative pollutants in subsurface waters. Case studies are used to illustrate and develop a conceptual understanding of such processes as diffusion, advection, dispersion, retardation, chemical reactions, and biodegradation. Computer models are developed and used to quantify these processes Introductory Hydrogeology or consent of instructor.   LEC.

Grading: A-F, W and I

This new course will be first offered Fall 2013 and then every semester thereafter.

JUSTIFICATION
We are changing the course description in response to student curriculum needs, student feedback, and the division of a six hour (total commitment) course into two three hour
courses to accommodate a new faculty member's requirement for the other three hour course.

**POLITICAL SCIENCE**

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<tr>
<th>CHANGE:</th>
<th>NEW COURSE</th>
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<tr>
<td>POLS 904</td>
<td>Statistical Computing Foundations (3)</td>
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This is an interdisciplinary course for social science researchers who need to develop routines to estimate and evaluate statistical models. It introduces tools for software development, primarily with the statistical programming language R (and related languages like C). Topics include code organization and optimization, concurrent version management, LaTeX document preparation, and high-performance computing on the KU Linux cluster. Examples from various fields are considered. Prerequisites: two courses in graduate level statistics and familiarity with R. LEC.

Grading: A-F, W and I

This new course will be first offered Fall 2013, and then every semester thereafter.

**JUSTIFICATION**

Social scientists sometimes need to develop routines to estimate “cutting edge” statistical models for which there is no pre-packaged software. There is a thriving international community in which they can participate if they obtain some fundamental skills in computing (see http://www.r-project.org). This course collects together many of the basic skills that are assumed in that larger community. The course has been offered as a topics course (POLS 909) in 2011 and 2012. Students from political science, psychology, and the School of Education have participated. A related justification is the existence of the compute cluster owned by the College of Liberal Arts and administered by the Center for Research Methods and Data Analysis. After the cluster was “stood up” we found that almost all social science graduate students lacked the elementary programming and operating system background required to log in and launch programs.

**GEOLOGY**

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<th>CHANGE:</th>
<th>COURSE NAME AND COURSE DESCRIPTION</th>
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<tr>
<td>GEOL 751</td>
<td>Physical and Transport Hydrogeology (4)</td>
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(OLD) A study of fluid flow in the subsurface including transport of constituents with the fluid. Physical transport will consider (1) the origin of basic parameters such as porosity and hydraulic conductivity, and their relationship to typical geologic materials, (2) basic equations of flow, such as Darcy's Law and the conservation equation, and (3) application of these concepts. Applications considered may include hydraulic testing, modeling, and regional flow systems. Chemical transport will consider the processes of solute and contaminant mass movement in porous and fractured media by advection and diffusion. The effects of attenuating mechanisms such as partitioning, chemical and biological transformations will also be discussed. The mathematical expression of these processes will be developed and applied using computer models. (Same as CE 754.) Differential Equations and Introductory Hydrogeology or Fluid Mechanics or consent of instructor. LEC.

Grading: A-F, W and I
This course is not an elective
This course is not a FLORS course
This course is a degree requirement in the following way: MS or PHD in Geology
specializing in Hydrogeology.

GEOL 751
(NEW)
Physical Hydrogeology (3)
Study of fluid flow in subsurface hydrologic systems. Investigation of the ground water
environment including porosity, and hydraulic conductivity and their relationship to
typical geologic materials. Examination of Darcy's law and the continuity equation
leading to the general flow equations. Discussion of typical hydraulic testing methods to
estimate aquifer parameters in various situations and apply these to water resource
problems. Study of the basic mechanisms that determine the behavior of typical regional
flow systems.

Grading: A-F, W and I

The change(s) to this course will first take effect Fall 2013 and the course will be offered
Every Fall Semester thereafter

JUSTIFICATION:
We are changing the course description in response to new faculty member changing the
course and division of a six hour (total commitment) course into two three hour courses
in response to student program needs and feedback.

POLITICAL SCIENCE

CHANGE: COURSE NAME AND PREREQUISITE
(OLD) POLS 909 Topics in Methodology (3)
An intensive seminar in a method (or a variety of relevant methods) of theoretical or
empirical research designed for Ph.D. students only. Emphasis is on deepening the
understanding and ability to use advanced methods of analysis. Prerequisite: Admission
to the Ph.D. program. RSH

Grading: A-F, W and I

(NEW) POLS 909: Topics in Methodology: ________________ (3)
An intensive seminar in a method (or a variety of relevant methods) of theoretical or
empirical research designed for Ph.D. students only. Emphasis is on deepening the
understanding and ability to use advanced methods of analysis. Prerequisite: Admission
to the Ph.D. program. RSH

Prerequisite: Admission to the Ph.D. program OR CONSENT OF INSTRUCTOR.

Grading: A-F, W and I

This new course will be first offered Fall 2013, and then once a year thereafter.

JUSTIFICATION
This change adds “______________” to the existing name. This is needed so that
special topics can be named each semester. Prerequisite change is needed to allow
flexibility for optional admission of students who are not working on the Ph.D.
B. Program Changes for Approval

M.S. in GEOLOGY

(OLD) Current Courses Requirement: Physical and transport hydrogeology (with labs and field training)

This 6 credit hour course includes a lab. It assumes students have taken introductory hydrogeology beforehand. The first half of the course covers water resource evaluation and the physics of groundwater flow in porous media. The lab component consists of practical exercises, including training on field equipment and in field methods. The second half of the course is an overview of transport processes and their mathematical descriptions. The laboratory component consists of a series of spreadsheet modeling exercises covering numerical, analytical and stochastic methods.

(NEW) Proposed Courses Requirement: Physical hydrogeology (GEOL751) and Contaminant Transport (GEOL754).

These two 3 credit hour courses are recommended for all graduates in hydrogeology. They assume students have taken introductory hydrogeology beforehand. GEOL751 covers water resource evaluation and the physics of groundwater flow in porous media. GEOL754 is an overview of transport processes and their mathematical descriptions. A series of spreadsheet modeling exercises covering numerical, analytical and stochastic methods provide the basis for an introduction to groundwater modeling.

The changes to this program will first take effect Fall 2013.

JUSTIFICATION:
The 6 hour (total commitment) version of 751 was created to serve all environmental geologists in the Geology Dept. However, changes in the faculty resulted in fewer environmental students enrolling than expected. The 6 hour format was problematic for other students from the university (e.g., engineers). Also, the addition of a new hydrogeological faculty member has led to organizational problems best resolved by breaking the course up into two 3 hour courses. The content of the courses is minimally affected by the change, and students will receive the same training. The change is being made facilitates the program and only affects the way the information is conveyed to students, not the amount or type of material covered.

Ph.D. in GEOLOGY

(OLD) Current Courses Requirement: Physical and transport hydrogeology (with labs and field training)

This 6 credit hour course includes a lab. It assumes students have taken introductory hydrogeology beforehand. The first half of the course covers water resource evaluation and the physics of groundwater flow in porous media. The lab component consists of practical exercises, including training on field equipment and in field methods. The second half of the course is an overview of transport processes and their mathematical descriptions. The laboratory component consists of a series of spreadsheet modeling exercises covering numerical, analytical and stochastic methods.

(NEW) Proposed Courses Requirement: Physical hydrogeology (GEOL751) and Contaminant Transport (GEOL754)

These two 3 credit hour courses are recommended for all graduates in hydrogeology. They assume students have taken introductory hydrogeology beforehand. GEOL751 covers water resource evaluation and the physics of groundwater flow in porous media. GEOL754 is an overview of...
transport processes and their mathematical descriptions. A series of spreadsheet modeling exercises covering numerical, analytical and stochastic methods provide the basis for an introduction to groundwater modeling.

The changes to this program will first take effect Fall 2013.

**JUSTIFICATION:**
The 6 hour (total commitment) version of 751 was created to serve all environmental geologists in the Geology Dept. However, changes in the faculty resulted in fewer environmental students enrolling than expected. The 6 hour format was problematic for other students from the university (e.g., engineers). Also, the addition of a new hydrogeological faculty member has led to organizational problems best resolved by breaking the course up into two 3 hour courses. The content of the courses is minimally affected by the change, and students will receive the same training. The change is being made facilitates the program and only affects the way the information is conveyed to students, not the amount or type of material covered.

**VISUAL ARTS EDUCATION, M.A.**

(OLD) Current Program description in catalog

Examination Option: Students take a total of 37 credit hours in required core courses (including VAE 875 Research in Art Education) and elective courses with 36 credit hours in regularly scheduled classes. Students also take a 1-credit-hour course, VAE 890 Preparation for the M.A. Examination, devoted to preparing and completing a written and oral final examination. The examination requires students to demonstrate their knowledge of current issues in the field.

(NEW) Proposed Program description for catalog

Examination Option: Students take a total of 37 credit hours in required core courses (including VAE 875 Research in Art Education) and elective courses with 36 credit hours in regularly scheduled classes. Students also take a 1-credit-hour course, VAE 890 Preparation for the M.A. Examination, devoted to preparing for a written final examination. Preparation for the examination occurs during the first half of the semester and provides the basis for the course grade. The written examination, taken during the second half of the semester, requires students to demonstrate their knowledge of current issues in the field. If the written exam is deemed unsatisfactory by a majority of the student’s committee, the student will be required to retake the exam. The exact content and format of the second examination will be determined by the student’s committee members.

**JUSTIFICATION:**
VAE faculty seek to clarify the VAE 890 course activity and the subsequent grading, distinguishing it from the examination process, which is evaluated separately.

Regarding handling of the unsatisfactory written exam, the VAE faculty wishes to retain the discretion to determine the appropriate response to marginal and failed exams on a case-by-case basis. Exams present singular and unique issues that cannot be easily assessed in advance. Our practice, which allows us to be sensitive to each student's unique situation, has been in place for many years and has been used without incident. We would also like to note that a number of master's exam descriptions from other departments include no information about what happens in the case of failed exams. Therefore the level of detail we are providing seems to exceed the minimum provided by other departments.
The change(s) to this program will first take effect Spring 2013 or the earliest date when change is in effect.

### III. REPORT OF THE COMMITTEE ON UNDERGRADUATE STUDIES & ADVISING (CUSA)

#### A. Curricular Changes for Approval

##### ANTHROPOLOGY

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<tr>
<th>CHANGE: ANTH 561</th>
<th>NEW CROSS-LISTED COURSE</th>
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<tr>
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<td>INDIGENOUS DEVELOPMENT IN LATIN AMERICA 3 S</td>
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<td>Surveys the history of the development enterprise since WWII, examines the marginalization and impoverishment of Latin America’s indigenous peoples, and provides training to carry out projects for and with them to enhance their quality of life. Development is understood as not merely technological or economic, but also social, emotional, and educational. Students work in teams to design their own mock development project. A 3-credit non-obligatory companion course, Applied Anthropological Field School among the Ch’orti’ Maya, will follow in the intersession after each version of this course. Prerequisites: ANTH 100, 108, 160 or LAA 100; or consent of instructor. (Same as LAA 561)</td>
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##### EAST ASIAN LANGUAGES & CULTURE

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<th>CHANGE: EALC 361</th>
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<td>COLONIAL KOREA 3 H</td>
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<td>This course examines the history, society, and culture of Korea from the end of Choson dynasty through the Colonial period (1910-1945) in its East Asian and global context. The course uses a multi-disciplinary approach, including history, anthropology, literature, and film. Not open to students with credit in EALC 561. LEC</td>
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<th>CHANGE: EALC 362</th>
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<td></td>
<td>POST-COLONIAL KOREA 3 H</td>
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<td></td>
<td>This course examines the history, society, and culture of South Korea from the time of its liberation from Japan in 1945 to the present in its East Asian and global context. The course uses a multi-disciplinary approach, including history, anthropology, literature, and film. Prerequisite: EALC 361/561, or permission of the instructor. Not open to students with credit in EALC 562. LEC</td>
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<th>CHANGE: EALC 561</th>
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<tr>
<td></td>
<td>COLONIAL KOREA 3 H</td>
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<tr>
<td></td>
<td>This course examines the history, society, and culture of Korea from the end of the Choson dynasty through the colonial period (1920-1945) in its East Asian and global context. The course uses a multi-disciplinary approach, including history, anthropology, literature and film. Prerequisite: An introductory East Asian studies course, such as ECIV 104/304, or EALC 105; or consent of instructor. There are additional readings and more extensive writing assignments than in 361. Not open to students with credit in EALC 361. LEC</td>
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<th>CHANGE: EALC 562</th>
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<tr>
<td></td>
<td>POST-COLONIAL KOREA 3 H</td>
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</table>
|                  | This course examines the history, society, and culture of South Korea from the time of its liberation from Japan in 1945 to the present in its East Asian and global context. The course uses a
multi-disciplinary approach, including history, anthropology, literature, and film. Prerequisite: EALC 361/561, or permission of the instructor. There are additional readings and more extensive writing assignments than in 362. Not open to students with credit in EALC 362. LEC

HISTORY

CHANGE: NEW CROSS-LISTED COURSE
HIST 352 AMERICAN INDIANS SINCE 1865  3  H
This course examines American Indian / White relations from reconstruction to the present. It surveys the impact of westward expansion and cultural changes brought about by the Civil War, forced education, intermarriage, the Dawes Act, the New Deal, the World Wars, termination, relocation and stereotypical literature and movies. The class also addresses the Red Power and AIM movements, as well as indigenous efforts to decolonize and to recover and retain indigenous knowledge. After learning about the past from both Native and non-Native source materials, students will multiple perspectives about historical events and gain understandings of diverse world views, values, and responses to adversity. (Same as ISP 350 and HWC 350). LEC

CHANGE: NEW COURSE
HIST 355 U.S. BORDERLANDS SINCE 1848  3  H
This course discusses issues associated with the Mexican borderlands region after conquest and acquisition by the United States. Themes include race relations, immigration, labor, economics, politics, culture, and the environment. We discuss how the region was incorporated into the United States, and how this relationship is evolving. We also examine the notion of a borderlands region and whether or not this is a valid characterization for Kansas. LEC

HUMANITIES AND WESTERN CIVILIZATION

CHANGE: NEW CROSS-LISTED COURSE
HWC 350 AMERICAN INDIANS SINCE 1865  3  H
This course examines American Indian / White relations from reconstruction to the present. It surveys the impact of westward expansion and cultural changes brought about by the Civil War, forced education, intermarriage, the Dawes Act, the New Deal, the World Wars, termination, relocation and stereotypical literature and movies. The class also addresses the Red Power and AIM movements, as well as indigenous efforts to decolonize and to recover and retain indigenous knowledge. After learning about the past from both Native and non-Native source materials, students learn multiple perspectives about historical events and gain understandings of diverse world views, values, and responses to adversity. (Same as HIST 352 and ISP 350). LEC

INDIGENOUS STUDIES

CHANGE: NEW CROSS-LISTED COURSE
ISP 350 AMERICAN INDIANS SINCE 1865  3  H
This course examines American Indian / White relations from reconstruction to the present. It surveys the impact of westward expansion and cultural changes brought about by the Civil War, forced education, intermarriage, the Dawes Act, the New Deal, the World Wars, termination, relocation and stereotypical literature and movies. The class also addresses the Red Power and AIM movements, as well as indigenous efforts to decolonize and to recover and retain indigenous knowledge. After learning about the past from both Native and non-Native source materials, students learn multiple perspectives about historical events and gain understandings of diverse world views, values, and responses to adversity. (Same as HIST 352 and HWC 350). LEC

LATIN AMERICAN AND CARIBBEAN STUDIES

CHANGE: NEW CROSS-LISTED COURSE
LAA 561 “INDIGENOUS DEVELOPMENT IN LATIN AMERICA”  3  S
Surveys the history of the development enterprise since WWII, examines the marginalization and impoverishment of Latin America’s indigenous peoples, and provides training to carry out projects for and with them to enhance their quality of life. Development is understood as not merely technological or economic, but also social, emotional, and educational. Students work in teams to design their own mock development project. A 3-credit non-obligatory companion course, Applied Anthropological Field School among the Ch'ortí' Maya, will follow in the intersession after each version of this course. Prerequisites: ANTH 100, 108, 160 or LAA 100; or consent of instructor. (Same as ANTH 561)

LINGUISTICS

CHANGE: NEW COURSE
LING 111 LANGUAGE AND MIND, HONORS 3 S, SI
A study of the relation between language and the human mind, focusing on language as a fundamental aspect of human cognition. Topics include what is innate and what is learned during first and second language acquisition, how we process language, and whether there are areas of the brain specialized for language. Open only to students admitted to the University Honors Program, or by consent of instructor. LEC

PSYCHOLOGY

CHANGE: COURSE DESCRIPTION, TITLE, PREREQUISITE
PSYC 370 BRAIN AND BEHAVIOR 3 N
(OLD) A survey of basic topics relating to the biological bases of behavior, including the physiology of neuronal and synaptic transmission, neurochemistry, and neuropharmacology. This survey will be followed by lectures on selected topics within the area of brain and behavior such as motivation, appetite, reward, language, and left-right hemispheric differences. Prerequisite: An introductory course in Psychology, an introductory course in Biology and one of the following: PSYC 200, PSYC 201, PSYC 210, PSYC 211, MATH 101, MATH 104 or exemption based on ACT or SAT score.

PSYC 370 BEHAVIORAL NEUROSCIENCE 3 N
(NEW) A survey of topics related to the biological processes underlying behavior in humans and in animals, including the physiology of neuronal and synaptic transmission, neurochemistry, and neuropharmacology. Selected topics within the area of behavioral neuroscience are also covered, such as motivation, appetite, reward, homeostasis, biological rhythms, addiction, aggression, stress, emotion, and sleep. Prerequisite: An introductory course in Psychology; an introductory course in Biology; and PSYC 200/201 and PSYC 210/211. LEC

CHANGE: COURSE DESCRIPTION, TITLE, PREREQUISITE
PSYC 371 BRAIN AND BEHAVIOR, HONORS 3 N
(OLD) A survey of basic topics relating to the biological bases of behavior, including the physiology of neuronal and synaptic transmission, neurochemistry, and neuropharmacology. This survey will be followed by lectures on selected topics within the area of brain and behavior such as motivation, appetite, reward, language, and left-right hemispheric differences. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: An introductory course in psychology, an introductory course in biology and one of the following: PSYC 200, PSYC 201, PSYC 210, PSYC 211, MATH 101, MATH 104 or exemption based on ACT or SAT score. LEC

PSYC 371 BEHAVIORAL NEUROSCIENCE, HONORS 3 N
(NEW) A survey of topics related to the biological processes underlying behavior in humans and in animals, including the physiology of neuronal and synaptic transmission, neurochemistry, and neuropharmacology. Selected topics within the area of behavioral neuroscience are also covered, such as motivation, appetite, reward, homeostasis, biological rhythms, addiction, aggression,
stress, emotion, and sleep. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: An introductory course in Psychology; an introductory course in Biology; and PSYC 200/201 and PSYC 210/211. LEC

CHANGE:  NEW COURSE
PSYC 375  COGNITIVE NEUROSCIENCE  3 N
A survey of topics related to the biological processes underlying cognition in humans and in animals, including the physiology of neuronal and synaptic transmission, neurochemistry, and functional neuroanatomy. Selected topics within the area of cognitive neuroscience are also covered, such as sensory processing, hearing, vision, learning and memory, attention, motor control, language, hemispheric asymmetry, executive function, and neuroplasticity. Prerequisite: An introductory course in Psychology; an introductory course in Biology; and PSYC 200/201 and PSYC 210/211. LEC

CHANGE:  TITLE, DESCRIPTION
PSYC 380  BRAIN AND PATHOLOGY  3 N
(OLD)  The organization and function of the nervous system as it relates to topics of interest to psychologists, including pain, anxiety, stress, sleep, depression, schizophrenia, akinetic and dyskinetic movement disorders, and senile dementia. Prerequisite: An introductory course in psychology, an introductory course in biology, and one of the following: PSYC 200, PSYC 201, PSYC 210, PSYC 211, MATH 101, MATH 104 or exemption based on ACT or SAT score.

PSYC 380  CLINICAL NEUROSCIENCE  3 N
(NEW)  The organization and function of the nervous system as it relates to topics of interest to psychologists, including pain, anxiety, stress, sleep, depression, schizophrenia, akinetic and dyskinetic movement disorders, and senile dementia. Prerequisite: An introductory course in Psychology; an introductory course in Biology; and PSYC 200/201 and PSYC 210/211. LEC

CHANGE:  TITLE, DESCRIPTION
PSYC 381  BRAIN AND PATHOLOGY, HONORS  3 N
(OLD)  The organization and function of the nervous system as it relates to topics of interest to psychologists, including pain, anxiety, stress, sleep, depression, schizophrenia, akinetic and dyskinetic movement disorders, and senile dementia. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: An introductory course in psychology, an introductory course in biology, and one of the following: PSYC 200, PSYC 201, PSYC 210, PSYC 211, MATH 101, MATH 104 or exemption based on ACT or SAT score.

PSYC 381  CLINICAL NEUROSCIENCE, HONORS  3 N
(NEW)  The organization and function of the nervous system as it relates to topics of interest to psychologists, including pain, anxiety, stress, sleep, depression, schizophrenia, akinetic and dyskinetic movement disorders, and senile dementia. Open to students in University or Departmental Honors programs or by permission of instructor. Prerequisite: An introductory course in Psychology, an introductory course in Biology, and and PSYC 200/201 and PSYC 210/211. LEC

SPEECH-LANGUAGE-HEARING

CHANGE:  COURSE DESCRIPTION  TITLE  CREDIT
SPLH 320  INTRODUCTION TO THE NEUROSCIENCE OF HUMAN COMMUNICATION  2 N
(OLD)  The neural bases of human communication are introduced. Basic neuroanatomy and neurophysiology are discussed, with particular emphasis on how they relate to the study of speech, language, and hearing. Methodologies used to investigate the functional neuroanatomy of human communication are also introduced.

SPLH 320  THE COMMUNICATING BRAIN: THE ULTIMATE PERSONAL COMPUTER  3 N
(NEW)  This course introduces the study of human neuroscience with a particular focus on human communication. The course provides an overview of the relevant anatomical structures and function along with an introduction to the basic methods used to investigate central nervous
system function. Students are introduced to the study of perceptual, motor, and language function in the nervous system through a series of examples drawn from normal function and clinical cases. The examples are selected to highlight how these systems develop and are influenced by experience, implantable devices developed to interface with the nervous system, and how computers and animals are used as models to learn about nervous system function. LEC

1. Degree Requirements for Approval

   a. Changes to Existing Major in Speech-Language-Hearing – BA and BGS

   **PROPOSAL**
   Current catalog text is pasted below with proposed changes noted in bold red font. The main change relates to curricular changes to SPLH 320. Specifically, the name of the course, description of the course, and number of credits (i.e., increase in credits from 2 to 3) are being changed, which results in changes to the major, as noted below.

   **Requirements for the B.A. or B.G.S. Major**

   **Speech-Language-Hearing Prerequisite or Co-Requisite Requirements.** Majors must complete this requirement, however, these hours do not contribute to the minimum number of hours required for the major.
   - Mathematics. Satisfied by MATH 101 or 104 or upper-level placement
   - Statistics. An introductory statistics course (PSYC 210, MATH 365) is recommended.

   **Speech-Language-Hearing Introductory Knowledge.** Majors must complete a course in the following areas (recommended within first and second year):
   - **The Physics of Speech.** Satisfied by SPLH 120
   - **Survey Communication Disorders.** Satisfied by SPLH 261
   - **The Communicating Brain: The Ultimate Personal Computer.** Satisfied by SPLH 320.
   - **Language Science.** Satisfied by SPLH 466.
   - **Fundamentals of Clinical Phonetics.** Satisfied by SPLH 465.
   - **Principles of Hearing Science.** Satisfied by SPLH 663.

   **Speech-Language-Hearing Core Knowledge and Skills.** Majors must complete a course in the following areas:
   - **Language Sample Analysis Laboratory.** Satisfied by SPLH 565.
   - **Language Development.** Satisfied by SPLH 566.
   - **Research Methods in Speech-Language-Hearing.** Satisfied by SPLH 660
   - **Principles of Speech Science.** Satisfied by SPLH 662
   - **Introduction to Audiological Assessment & Rehabilitation.** Satisfied by SPLH 668
   - **Introduction to Speech-Language Pathology.** Satisfied by SPLH 671

   **Further Speech-Language-Hearing Study.** After completing the requirements, students with grade-point averages of 3.0 or higher may enroll in SPLH 670, SPLH 672, or AUD 550.

   **Major Hours & Major GPA**
   While completing all required courses, majors must also meet each of the following hour and grade-point average minimum standards:

   **Major Hours**
   Satisfied by 35 hours of major courses.

   **Major Hours in Residence**
   Satisfied by a minimum of 15 hours of KU resident credit in the major.
Major Junior/Senior Hours
Satisfied by a minimum of 28 hours from junior/senior courses (300+) in the major.

Major Junior/Senior Graduation GPA
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator.

JUSTIFICATION
The changes to the major result from curricular changes to SPLH 320. The justification for the curricular change is threefold. First, neuroscience is rapidly expanding component of our field, necessitating expanded coverage of this topic at the undergraduate level. Thus, we are increasing the course from 2 to 3 credits to appropriately represent this content area in our program. Second, faculty expertise has expanded with two recent faculty hires (Choy-Hubbard; Brumberg). The course is being revised to incorporate this newly available expertise on our faculty. Thus, we are revising the course description to better capture the breadth of expertise on our faculty. Lastly, we anticipate this content being of interest to non-majors and we plan to submit this course to meet KU Core requirements. In this way, we plan to use the course as recruiting tool for our major. For this reason, we are changing the title of the course to have broader appeal to undergraduates both within and outside our major.

b. Change in Existing Major in Dance

PROPOSAL:
The Department of Dance proposes a change in the major requirements for the BA in Dance. In the past, students pursuing the BA in Dance were required to take specific courses to fulfill 24 credit hours in the areas of dance history, theory, pedagogy and dance science among 51 total credit hours for the degree. Our proposal is to specify 41 credit hours of specific courses required for accreditation and then allow students to choose 10 hours from among courses in the area of dance studies (including courses in dance theory, history and dance science.)

JUSTIFICATION:
In the past six years, with two new hires, new expertise has been added to our curriculum, but the courses taught by new faculty were not required for the BA because the credit hour requirements were already high. Students were unable to take the new courses in addition to the ones required for the major, so enrollments were low. This update allows courses taught by current faculty to count toward the BA degree and gives students more flexibility of choice in ways to complete the degree program.

CURRENT REQUIREMENTS (CATALOG FORMAT)

Bachelor of Arts in Dance Course Requirements

Written Communication - Core Skill and Critical Inquiry

- Composition. Satisfied by: ENGL 101, ACT English score of 27 or above or SAT English score of 600 or above, AP English Literature & Composition score of 3 or above, or equivalent transfer course. Requirement must be completed during initial term of admission at KU.
- Critical Reading and Writing. Satisfied by: ENGL 102, or ENGL 105 (Honors), AP English Literature & Composition score of 4 or above, or an equivalent transfer course. Requirement must be completed within the first academic year at KU.
- Sophomore Reading and Writing II. Satisfied by: ENGL 203, or ENGL 205 (Honors), ENGL 209, or ENGL 210 or ENGL 211, or ENGL 362, or AP English Literature & Composition score of 5 or above, or an equivalent
- Mathematics. Satisfied by: MATH 101
- Communications. Satisfied by: COMS 130.
Second Language Study - Exploration of One's Own & Diverse Cultures. (Levels) Satisfied by completing a fourth-level course in one world language; completing a world language course that has a fourth-semester-level course as a prerequisite; passing AP scores vary by language, or passing the proficiency examination in one world language. Advising Alert: Students whose native language is not English may be exempt if they can show that the high school they attended taught in a language other than English. Approved courses may be searched for availability through Kyou portal.

Western Civilization - Exploration of One's Own and Diverse Cultures. Advising Alert: Requires sophomore-level standing. Courses at other universities may have the same title but may not meet this requirement.

- Western Civilization I - Ancient, Medieval & Early Modern Periods of Western Civilization. Satisfied by: HWC 204 or HWC 114 (Honors).
- Western Civilization II - Modern Western Civilization. Satisfied by: HWC 205 or HWC 115 (Honors).

Biology. Satisfied by: BIOL 100 and BIOL 102.

Humanities - Understanding the Human Condition. Satisfied by completing 11 hours in the Humanities (requirement code H). Six of these hours must be fulfilled by THR 215, THR 220, or THR 224, and MUSC 136/MUSC 336.

Social and Behavioral Sciences - Understanding Society and Behavior. Satisfied by completing 9 hours in the Social Sciences (requirement code S). Approved courses may be searched for availability through the Kyou portal.

Non-Western Culture. Satisfied by: Completing one of the approved courses with a requirement code NW. Availability of courses can be found through the schedule of classes on the Kyou portal.

Dance Technique

Majors must complete courses as specified in each of the following areas. (16 HOURS)

- Ballet III. Satisfied by four hours of DANC 201
- Modern III. Satisfied by four hours of DANC 203
- Jazz III. Satisfied by two hours of DANC 205
- Ballet IV. Satisfied by six hours of DANC 301

Dance Performance

- University Dance Company. Satisfied by 2 hours of DANC 320. (2 HOURS)

Dance Composition

Majors must complete courses as specified in each of the following areas. (10 HOURS)

- Dance Improvisation. Satisfied by 2 hours of DANC 150.
- Choreography: Structured Solos. Satisfied by 2 hours of DANC 250.
- Choreography: Group Forms. Satisfied by 3 hours of DANC 350.
- Environmental Choreography. Satisfied by 3 hours of DANC 450.

Dance Theory

Majors must complete courses as specified in each of the following areas. (20 HOURS)
• Rhythms and Structures of Music. Satisfied by 1 hour of DANC 210.
• Approaches to World Dance. Satisfied by 3 hours of DANC 330.
• Introduction to Laban Movement Analysis. Satisfied by 3 hours of DANC 340.
• Musculoskeletal Concepts for Dancers. Satisfied by 3 hours of DANC 370.
• Ideokinesis. Satisfied by 3 hours of DANC 375.
• Dance for Children. Satisfied by 3 hours of DANC 430.
• Dance History: Research and Reconstruction. Satisfied by 3 hours of DANC 460.
• Practicum in: _____. Satisfied by 1 hour of DANC 530.

Senior Project. Satisfied by completion of 3 hours of DANC 550. (3 HOURS)

Major Hours & Major GPA

While completing all required courses, majors must also meet each of the following hour and grade-point average minimum standards:

Major Hours
Satisfied by 51 hours of major courses.

Major Hours in Residence
Satisfied by a minimum of 15 hours of KU resident credit in the major.

Major Junior/Senior Hours
Satisfied by a minimum of 12 hours from junior/senior courses (300+) in the major.

Major Junior/Senior Graduation GPA
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator

PROPOSED REQUIREMENTS (CATALOG FORMAT):

Dance Technique (16)

Students may choose 16 hours from among the following, but must take at least one semester of level III or IV in jazz and two semesters of level III or IV in ballet or modern. Courses must be taken twice for full credit and for variable credit thereafter.

• Ballet II. Satisfied by DANC 102 (1.5)
• Modern II. Satisfied by DANC 104 (1.5)
• Jazz II. Satisfied by DANC 106 (1.5)
• Ballet III. Satisfied by DANC 201 (1-2)
• Modern III. Satisfied by DANC 203 (1-2)
• Jazz III. Satisfied by DANC 205 (1-3)
• Ballet IV. Satisfied by DANC 301 (1-3)
• Modern IV. Satisfied by DANC 303 (1-3)
• Jazz IV. Satisfied by DANC 305 (1-3)

Dance Performance (2)

• University Dance Company. Satisfied by 2 hours of DANC 320.
Dance Composition (10)

Majors must complete courses as specified in each of the following areas.

- Dance Improvisation. Satisfied by 2 hours of DANC 150.
- Choreography: Structured Solos. Satisfied by 2 hours of DANC 250.
- Choreography: Group Forms. Satisfied by 3 hours of DANC 350.
- Environmental Choreography. Satisfied by 3 hours of DANC 450.

Pedagogy (4)

- Dance for Children. Satisfied by 3 hours of DANC 430.
- Practicum in: _____. Satisfied by 1 hour of DANC 530.

Dance Studies (16)

Majors must complete courses as specified in each of the following areas.

- Approaches to World Dance. Satisfied by 3 hours of DANC 330.
- Ideokinesis. Satisfied by 3 hours of DANC 375.

Students must select 10 hours from the following:

- Intro to African Dance Theatre. Satisfied by 2 hours of DANC 230.
- Musical Theater Dance. Satisfied by 2 hours of DANC 260.
- Introduction to Laban Movement Analysis. Satisfied by 3 hours of DANC 340.
- Intro to Classical East Indian Dance. Satisfied by 3 hours of DANC 440.
- Dance History: Research and Reconstruction. Satisfied by 3 hours of DANC 460.
- Performing Arts Administration. Satisfied by 3 hours of DANC 475.
- Intro to Flamenco Dance Technique. Satisfied by 3 hours of DANC 490.

Senior Project (3)

Satisfied by completion of 3 hours of DANC 550.

Major Hours & Major GPA

While completing all required courses, majors must also meet each of the following hour and grade-point average minimum standards:

Major Hours
Satisfied by 51 hours of major courses.

Major Hours in Residence
Satisfied by a minimum of 15 hours of KU resident credit in the major.

Major Junior/Senior Hours
Satisfied by a minimum of 12 hours from junior/senior courses (300+) in the major.
Major Junior/Senior Graduation GPA
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) i

c. Change to Existing Major – BA and BGS in Psychology

Change is to add PSYC 375 as an option for fulfilling the Biological Psychology area of the Psychology Core Knowledge and Skills requirement.

B.A. or B.G.S. Major in Psychology

Psychology Major Course Requirements

Psychology Prerequisite or Co-Requisite Knowledge. Majors must complete courses as specified in each of the following area. These hours do not contribute to the minimum number of hours required for the major.

- College Algebra or Pre-Calculus. Satisfied by MATH 101 or 104.

Psychology Core Knowledge and Skills. Majors must complete a course in each of the following 9 areas:

- Orientation Seminar in Psychology. Satisfied by PSYC 102.
- General Psychology. Satisfied by PSYC 104 or PSYC 105
- Research Methods in Psychology. Satisfied by PSYC 200 or PSYC 201
- Statistics in Psychological Research. Satisfied by PSYC 210 or PSYC 211

Note: A student may not take more than 3 of the following core courses before being admitted to the major.

- Cognitive Psychology. Satisfied by PSYC 318 or PSYC 319.
- Child Development. Satisfied by PSYC 333 or PSYC 334.
- Abnormal Psychology. Satisfied by PSYC 350 or PSYC 351.
- Social Psychology. Satisfied by PSYC 360 or PSYC 361.
- Biological Psychology. One course required: PSYC 370, PSYC 371, PSYC 375, PSYC 380, or PSYC 381.

Psychology Required Electives. Majors must complete 12 hours, at least 6 of these hours must be completed with courses numbered 300 or higher.

Psychology Major Hours & Major GPA

While completing all required courses, majors must also meet each of the following hour and grade-point average minimum standards:

Major Hours
Satisfied by 37 hours of major courses. Note: No more than 3 hours of PSYC 480, 481, or 483 may count toward the minimum hours required for the major. (No more than a 6-hour combination of these courses may be counted toward the major.)

Major Hours in Residence
Satisfied by a minimum of 15 hours of KU resident credit in the major.

Major Junior/Senior (300+) Hours
Satisfied by a minimum of 21 hours from junior/senior courses (300+) in the major.
Major Junior/Senior Graduation GPA
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator.

d. Change to Existing Minor – Psychology

Change is to add PSYC 375 as an option for fulfilling the Psychology Required Electives.

Requirements for the Minor

Students selecting this minor must complete each of the following:

- General Psychology. Satisfied by PSYC 104 or PSYC 105.
- Psychology Minor Remaining Electives (9 Required). The remaining elective courses may include any undergraduate courses offered by the Department of Psychology including PSYC 480, PSYC 481, and PSYC 483. A maximum of 3 hours of PSYC 480 or 481 or 483, or any combination of these 3 courses totaling 3 hours may count toward the minor.

Psychology Minor Hours & Minor GPA
While completing all required courses, minors must also meet each of the following hour and GPA minimum standards:

Minor Hours
Satisfied by 18 hours of minor courses.

Minor Hours in Residence
Satisfied by a minimum of 9 junior/senior (300+) hours of KU resident credit in the minor.

Minor Junior/Senior (300+) Hours
Satisfied by a minimum of 12 hours from junior/senior courses (300+) in the minor.

Minor Graduation GPA
Satisfied by a minimum of a 2.0 KU GPA in all departmental courses (300+) in the minor. GPA calculations include all junior/senior courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator.

e. Change to Existing Admission Requirements for the B.S. in Behavior Neuroscience (housed in Psychology)

Request is to add a new course, PSYC 375, as an option for completing the Core Psychology Course portion of the admission requirements, and to raise the minimum admission GPA from 2.5 to 3.0.

Requirements for the B.S. Degree

Admission to the Major

Behavioral Neuroscience Major Admission Criteria
Application Term

Students should apply to the major during the semester in which major admission criteria will be completed; normally no later than 60 hours, or for transfer students, normally during the initial term at KU. Application to this major after completion of 60 hours, or the initial KU term for transfer students, will likely delay graduation.
Courses Required

- Orientation Seminar in Psychology. Satisfied by PSYC 102.
- General Psychology. Satisfied by PSYC 104 or PSYC 105.
- Research Methods in Psychology or Statistics in Psychological Research. Satisfied by PSYC 200, PSYC 201, PSYC 210, or PSYC 211.
- Core Psychology Course. Satisfied by PSYC 370/PSYC 371, PSYC 375, or PSYC 380/PSYC 381.

Admission GPA

Satisfied by a minimum 3.0 GPA in required admission courses designated above. All the core courses completed at the time of application will be calculated into the admission grade-point average. University Course Repeat Policy will apply.

f. Change to Existing Major – B.S. in Behavioral Neuroscience

Changes are: To clean up the math requirement so that the language is clearer and the correct possible hours are indicated; to add PSYC 375 (new course) as a choice in the Behavioral Neuroscience Core Knowledge and Skills- Behavioral Neuroscience Courses and to remove PSYC 644 from that same category and move it to the electives section; and to add additional course options in the Electives section.

B.S. in Behavioral Neuroscience

Humanities (24 hrs.)

Written Communication - Core Skill and Critical Inquiry.

- Composition. Satisfied by ENGL 101, ACT English score of 27 or above or SAT English score of 600 or above, AP English Literature & Composition score of 3 or above, or equivalent transfer course. Requirement must be completed during initial term of admission at KU.
- Critical Reading and Writing. Satisfied by ENGL 102, or ENGL 105 (Honors), AP English Literature & Composition score of 4 or above, or an equivalent transfer course. Requirement must be completed within the first academic year at KU.
- Sophomore Reading and Writing II. Satisfied by ENGL 203, or ENGL 205 (Honors), ENGL 209, or ENGL 210 or ENGL 211, AP English Literature & Composition score of 5 or above, or an equivalent transfer course.

Argument and Reason. Satisfied by COMS 130 or PHIL 148 or an equivalent course.

Western Civilization - Exploration of One's Own and Diverse Cultures. Advising Alert: Requires sophomore-level standing. Courses at other universities may have the same title but may not meet this requirement.

- Western Civilization I - Ancient, Medieval & Early Modern Periods of Western Civilization. Satisfied by: HWC 204 or HWC 114 (Honors)
- Western Civilization II - Modern Western Civilization. Satisfied by: HWC 205 or HWC 115 (Honors)

Humanities - Understanding the Human Condition. Satisfied by completing 2 courses (6 hrs.) in any of the following categories: historical studies (requirement code HT), literature and the arts (requirement code HL), philosophy and religion (requirement code HR) and humanities (requirement code H). Approved courses may be searched for availability through the Kyou portal.
Natural Science (14 hrs. minimum)

Satisfied by completing 2 of the following 4 sequences AND an extension of 1 sequence (1 additional advanced course), or an approved alternative (14 hrs. minimum).

- Biology: BIOL 150 and BIOL 152 (8).
- Chemistry: CHEM 184 and CHEM 188 (10).
- Physics: PHSX 114 and PHSX 115 (8).
- Biological Anthropology: ANTH 104/ANTH 304 and ANTH 340, ANTH 341, ANTH 350, ANTH 442, or ANTH 447 (6).

Mathematics (14 hrs. minimum)

Mathematics (14 hrs. minimum)
Satisfied by completing a total of four (4) mathematics courses totaling at least 14 Hours, of which at least 6 hours must be calculus or calculus based. The 6-10 hours of calculus can be satisfied by taking at least one calculus I course (MATH 115 or 121) and one calculus II course (MATH 116 or 122). The remaining four (4) to eight (8) hours of mathematics can be satisfied by taking a minimum of two (2) additional math courses at any level (excluding MATH 002).

Computing (6 hrs. minimum)

Satisfied by EECS 138 and an additional course.

The second 3 hours could either be a second semester of EECS 138 (focused on a second programming language) or be from an additional approved course that provides an opportunity to gain computing experience. This second course could be PSYC 480 or PSYC 481 if this Independent Study requires independent, original application of the student’s computing skills such as computer simulation of cognitive processes, or experience with computationally complex neuroscience techniques, such as brain imaging and mapping, or physiological data collection and analysis. (3)

Behavioral Neuroscience Major Course Requirements

Behavioral Neuroscience Prerequisite or Co-Requisite Knowledge. Majors must complete courses as specified in each of the following areas. These hours do not contribute to the minimum number of hours required for the major.

- Orientation Seminar in Psychology. Satisfied by PSYC 102.
- General Psychology. Satisfied by PSYC 104 or PSYC 105.
- College Algebra or Pre-Calculus. Satisfied by MATH 101 or 104 or equivalent.
- Introductory Biology Course. Satisfied by BIOL 100 or 150.

Behavioral Neuroscience Core Knowledge and Skills. Majors must complete coursework in each of the following 4 areas:

- Behavioral Neuroscience Courses (6 hours minimum). Satisfied by PSYC 370/PSYC 371, PSYC 375, or PSYC 380/PSYC 381
- Laboratory Courses (9 hours minimum). Satisfied by PSYC 200/PSYC 201 and PSYC 625.
- Quantitative Courses (9 hours minimum). Satisfied by PSYC 210/PSYC 211, PSYC 500, PSYC 650, PSYC 651, PSYC 679, PSYC 687, PSYC 692, PSYC 693, PSYC 694, PSYC 695, or PSYC 696.
- Applied Research Experience (4 hours minimum). Satisfied by PSYC 449, PSYC 460, PSYC 480, or PSYC 481.
Elective Courses in Psychology or Other Disciplines. Majors must complete 12 hours minimum (other electives may be accepted with permission of the B.S. director) Satisfied by PSYC412, PSYC 418 or PSYC318, PSYC 432, PSYC 482, PSYC 535, PSYC 555, PSYC 605, PSYC 630, PSYC 644, PSYC 646, PSYC 678, PSYC691, LING 438, or SPLH 320.

Behavioral Neuroscience Major Hours & GPA

While completing all required courses, majors must also meet each of the following hour and grade-point average minimum standards:

**Major Hours**
Satisfied by 40 hours of major courses.

**Major Hours in Residence**
Satisfied by a minimum of 15 hours of KU resident credit in the major.

**Major Junior/Senior (300+) Graduation GPA**
Satisfied by a minimum of a 2.0 KU GPA in junior/senior courses (300+) in the major. GPA calculations include all junior/senior courses in the field of study including F’s and repeated courses. See the Semester/Cumulative GPA Calculator.